



**Fall 2022**  
**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 the County	Code of Maryland Regulations 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 2022 sampling event. This report summarizes, interprets, and statistically analyzes the analytical results for the semi-annual sampling event performed in August 2022.

In accordance with the Groundwater and Surface Water Monitoring Plan (GW&SWMP) (Montgomery County DEP 2019), 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 on-site and off-site groundwater monitoring wells; a network of on-site 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 has awarded a contract for the construction of the Recommended CMA – toupee capping and additional landfill gas collection and onsite construction activities are anticipated to begin in January 2023.

### 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 on-site and off-site 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 2022 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 2022 semi-annual sampling event (August 1–11, 2022), 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 2022 calendar year monitoring period in accordance with the revised GW&SWMP (July 2020).

During the Fall 2022 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 and 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 2022 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 2022 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 2022 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 2022 sampling event to obtain an estimate of laboratory method precision. As shown in **Table 3**, two VOCs were detected with an RPD greater than 20 percent between the duplicates and corresponding samples, which are indicated by the gray shading. Potential sources for the RPD exceedances were evaluated, including contacting the laboratory and evaluating historical data. However, the source could not be determined. The results are similar to historical results and, therefore, no additional data qualification was performed. As shown in **Table 4**, the RPDs for seven inorganic parameters and total metals were greater than 20 percent, which are indicated by the gray shading. The RPD exceedances with the laboratory are likely related to the sample aliquot(s) 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 2022 analytical results is provided in **Table 2**.

Fourteen monitoring wells had MCL exceedances for one or more VOCs. These exceedances are generally consistent with past events, as discussed below. 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 for VOCs 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 (9.9  $\mu\text{g/L}$ ), MW-13A (6.0  $\mu\text{g/L}$ ), and MW-13B (7.7  $\mu\text{g/L}$ );
- Trichloroethene (TCE) was detected above the MCL (5  $\mu\text{g/L}$ ) in MW-13A (8.2  $\mu\text{g/L}$ ) and MW-13B (7.7  $\mu\text{g/L}$ ); and
- Vinyl chloride (VC) was detected above the MCL (2  $\mu\text{g/L}$ ) in MW-13A (2.1  $\mu\text{g/L}$ ), MW-13B (2.9  $\mu\text{g/L}$ ), OB03 (8.1  $\mu\text{g/L}$ ), OB03A (4.9  $\mu\text{g/L}$ ), and OB04A (2.3  $\mu\text{g/L}$ ).

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.

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

**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 higher than both the Northwest and West portions of the Landfill. During this sampling event, wells MW-21B and OB12 had MCL exceedances in this area of the Landfill.

- 1,2-Dichloropropane was detected above the MCL (5  $\mu\text{g/L}$ ) in OB12 (10.8  $\mu\text{g/L}$ );
- PCE was detected above the MCL (5  $\mu\text{g/L}$ ) in MW-21B (5.5  $\mu\text{g/L}$ ) and OB12 (17.0  $\mu\text{g/L}$ );
- TCE was detected above the MCL (5  $\mu\text{g/L}$ ) in MW-21B (17.9  $\mu\text{g/L}$ ) and OB12 (16.6  $\mu\text{g/L}$ ); and
- VC was detected above the MCL (2  $\mu\text{g/L}$ ) in MW-21B (2.8  $\mu\text{g/L}$ ) and OB12 (5.5  $\mu\text{g/L}$ ).

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 OB25 had MCL exceedances in this area of the Landfill.

- PCE was detected above the MCL (5 µg/L) in OB11 (6.4 µg/L);
- TCE was detected above the MCL (5 µg/L) in OB11 (5.7 µg/L) and OB11A (6.0 µg/L); and
- VC was detected above the MCL (2 µg/L) in OB11 (11.1 µg/L), OB11A (13.0 µg/L), and OB025 (2.3 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, MW-24B, and OB10 had MCL exceedances in this area of the Landfill.

- VC was detected above the MCL (2 µg/L) in MW-24A (3.0 µg/L) and OB10 (16.9 µg/L); and
- Benzene was detected above the MCL (5 µg/L) in MW-24B (5.8 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 identified 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.

During the Fall 2022 sampling event, no first time MCL exceedances were observed at any monitoring wells (**Table 6**).

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 mg/L) in OB11 (0.0143 mg/L).
- Total mercury was detected above the MCL (0.002 mg/L) in OB11 (0.00427 mg/L).
- Total arsenic was detected above the MCL (0.01 mg/L) in MW-24B (0.0372 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 ST70 and ST80;
- Copper was detected below the MCL in ST015, ST70, ST80, and ST120; and
- Zinc was detected below the MCL in ST015.

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 detected only in OB07A at 0.1 percent by volume. Methane was not detected in any other monitoring wells during this sampling event.

## 4. STATISTICAL ANALYSIS

EA performed statistical analysis for Gude Landfill groundwater monitoring data for the Fall 2022 sampling event. Statistical analysis was performed for wells within the Landfill groundwater monitoring network using data collected from 2001 through August 2022, 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 and sampled in 2011 and have been sampled for the past nine sampling events. 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 off-site/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 off-site/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 exhibit a statistically significant increasing trend ( $S > 0$ ) or decreasing trend ( $S < 0$ ).

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

Ten VOCs were identified as having increasing statistical trends, and 15 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 22 of the groundwater monitoring wells had one or more VOCs with decreasing statistical trends (**Table 9**).

Eight VOCs (1,1-dichloroethane, 1,4-dichlorobenzene, benzene, chlorobenzene, *cis*-1,2-dichloroethene, PCE, TCE, and VC) had both decreasing and increasing trends. Two VOCs had only increasing trends: chloroform (MW-13A and MW-3B) and methyl tertiary butyl ether (OB03 and OB11A). Seven VOCs had only decreasing trends: 1,2-dichloroethane (MW-13A, MW-13B, OB03, OB11, and OB11A), 1,2-dichloropropane (MW-13A, MW-13B, OB03, OB11, OB11A, OB08, OB08A, and OB10), methylene chloride (MW-13A, MW-13B, OB11, and OB12), *o*-xylene (MW-24B), toluene (MW-24B), and trichlorofluoromethane (OB11).

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, MW-16B, and OB105 had no statistically significant increasing or decreasing VOC trends this event.
- MW-13B and OB03A had no statistically significant increasing VOC trends this event.
- MW-11B, OB04, and OB4A 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 (1 parameter), OB04 (1 parameter), and OB04A (1 parameter).
- Statistically significant decreasing VOC trends were observed for MW-13A (12 parameters), MW-13B (12 parameters), OB03 (8 parameters), and OB03A (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, MW-15, OB02, and OB02A had no statistically significant increasing or decreasing VOC trends this event.
- MW-7, MW-9, MW-15, and MW-19B had no statistically significant increasing VOC trends this event.
- MW-19A had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for MW-6 (2 parameters), MW-19A (1 parameter) and OB01 (1 parameter).
- Statistically significant decreasing VOC trends were observed for MW-6 (1 parameter), MW-7 (1 parameter), MW-9 (1 parameter), MW-19B (1 parameter), and OB01 (1 parameter).

**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 OB015 had no statistically significant increasing or decreasing VOC trends this event.
- MW-21B had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for MW-21B (4 parameters) and OB12 (3 parameters).

- Statistically significant decreasing VOC trends were observed for only OB12 (2 parameters).

**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, MW-23A, and OB11 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 only for OB11 (3 parameters).
- Statistically significant decreasing VOC trends were observed for MW-22B (1 parameter), MW-23A (1 parameter), OB11 (10 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 and MW-4 had no statistically significant increasing or decreasing VOC trends this event.
- MW-24A and OB08A had no statistically significant increasing VOC trends this event.
- MW-3B had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for MW-3B (1 parameter), MW-24B (3 parameters), OB08 (2 parameters), OB08A (2 parameters), and OB10 (2 parameters).
- Statistically significant decreasing VOC trends were observed for MW-24A (2 parameters), MW-24B (3 parameters), OB08 (1 parameter), OB08A (2 parameters), and OB10 (5 parameters).

**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, MW-2A, and OB07 had no statistically significant increasing or decreasing VOC trends this event.
- MW-2B, OB06, OB07, OB07A, OB102 had no statistically significant increasing VOC trends this event.
- OB102 had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were not observed for any monitoring wells.
- Statistically significant decreasing VOC trends were observed for MW-2B (1 parameter), OB06 (2 parameters), and OB07A (1 parameter).

#### 4.2.2 Metals

Fifteen metals (total) were identified as having increasing statistical trends, and 36 of the groundwater monitoring wells had one or more metals with increasing statistical trends (**Table 8**). Fifteen metals (total) were identified as having decreasing statistical trends, and 21 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

Forty-four groundwater monitoring well locations were determined to have statistically increasing trends for one or more general indicator parameters (**Table 8**), and 41 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 2022 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.

Fourteen 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. There were no first time MCL exceedances observed for any VOCs or metals. None of the general water quality parameters were detected above the MCLs during this sampling event.

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 2023 event in accordance with the updated GW&SWMP.

## 6. REFERENCES

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# Figures

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Gude Landfill  
Montgomery County, Maryland

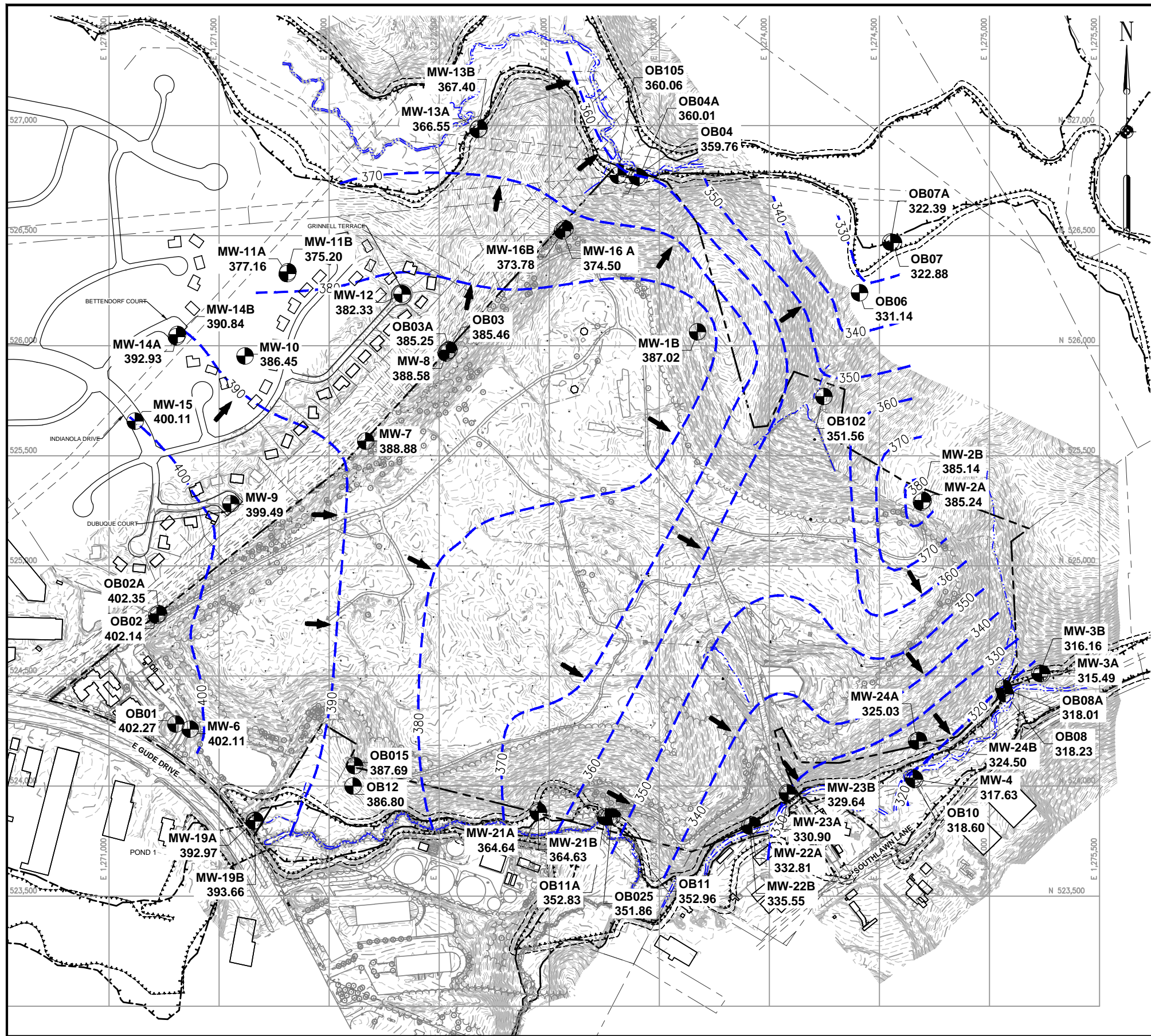
Figure 1.  
Groundwater and Surface Water Monitoring Locations  
May 2017



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FILE PATH: Q:\PROJECTS\1564601 - GUDE LF DESIGN\CAD\PRODUCTION\FIGURES\GROUNDWATER CONTOUR MAPS\FALL 2022\FIG 2 - FALL 2022.DWG [FIG 2] 12/20/16

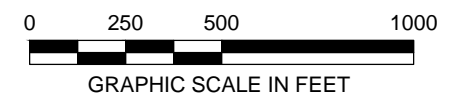


**NOTES:**

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
- 330 --- GROUNDWATER CONTOUR INTERVAL (10 FEET)
- MW-1B 393.00 EXISTING GROUNDWATER MONITORING WELL  
GROUNDWATER ELEVATION (FT. MSL)
- INFERRED GROUNDWATER FLOW



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 (410) 584-7000

PROJECT NUMBER: 15646.01	DESIGNED BY: PL/LJO	DRAWN BY: JNS	FIGURE: 2
DATE: DECEMBER 2022	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 2022**



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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 2022 Depth to Water
		F2014	S2015	F2015	S2016	F2016	S2017	F2017	S2018	F2018	S2019	F2019	S2020	F2020	S2021	F2021	S2022	F2022	
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	389.65	390.15	385.25	387.02	46.98
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	387.45	385.98	379.18	385.24	60.29
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	388.00	385.95	379.24	385.14	59.31
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	315.98	315.94	315.63	315.49	9.05
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	315.76	316.43	316.32	316.16	8.57
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	318.13	318.07	318.01	317.63	7.12
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	403.29	401.73	401.00	402.11	15.18
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	392.36	387.86	388.36	388.88	44.93
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	393.61	387.14	389.14	388.58	24.08
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	401.27	398.67	399.28	399.49	18.20
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	389.51	385.33	387.99	386.45	7.58
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	380.50	376.60	379.20	377.16	16.29
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	378.00	375.54	377.41	375.20	18.20
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	384.90	381.95	383.13	382.33	15.22
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	366.87	366.57	367.21	366.55	6.82
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	368.38	367.35	368.00	367.40	5.95
MW-14A*	412.31	--	--	--	--	--	--	--	--	--	398.91	394.91	396.11	394.26	396.71	392.36	394.45	392.93	19.38
MW-14B*	412.34	--	--	--	--	--	--	--	--	--	397.24	392.04	394.19	392.04	394.76	390.65	392.75	390.84	21.50
MW-15*	414.45	--	--	--	--	--	--	--	--	--	405.25	401.85	402.95	401.15	403.37	400.20	401.42	400.11	14.34
MW-16A	420.11	--	--	--	--	--	--	371.14	370.79	373.44	378.55	375.91	374.81	375.57	376.66	375.09	373.81	374.50	45.61
MW-16B	418.68	--	--	--	--	--	--	370.54	370.29	372.79	376.88	374.88	374.08	375.18	375.46	373.23	373.15	373.78	44.90
MW-19A	397.54	--	--	--	--	--	--	392.50	393.33	394.22	393.29	393.04	393.34	393.14	393.16	392.44	392.97	392.97	4.57
MW-19B	397.33	--	--	--	--	--	--	392.51	393.32	394.25	393.71	393.13	393.63	393.63	393.54	392.93	393.43	393.66	3.67
MW-21A	372.45	--	--	--	--	--	--	362.89	364.67	365.61	367.10	368.45	366.35	364.36	367.32	365.67	366.08	364.64	7.81
MW-21B	371.61	--	--	--	--	--	--	363.24	364.73	365.57	367.01	365.31	366.11	364.71	367.22	365.49	365.55	364.63	6.98
MW-22A	338.79	--	--	--	--	--	--	332.91	332.61	332.84	333.58	332.99	332.89	333.01	333.39	333.16	334.06	332.81	5.98
MW-22B	339.58	--	--	--	--	--	--	334.38	334.75	335.16	334.54	335.28	335.58	335.78	335.61	336.63	335.55	335.55	4.03
MW-23A	354.89	--	--	--	--	--	--	329.35	329.68	329.81	331.27	330.49	331.19	330.89	331.19	331.55	331.09	330.90	23.99
MW-23B	354.47	--	--	--	--	--	--	330.66	328.73	329.61	331.22	330.87	330.02	329.97	329.87	330.06	330.84	329.64	24.83
MW-24A	355.02	--	--	--	--	--	--	323.78	323.67	323.99	328.02	326.02	325.82	325.57	326.52	325.47	325.51	325.03	29.99
MW-24B	354.17	--	--	--	--	--	--	323.41	323.18	323.54	326.17	325.07	325.37	325.10	325.77	324.94	324.75	324.50	29.67
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	402.70	400.95	402.32	402.27	13.63
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	404.44	401.72	402.76	402.14	16.58
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	404.80	401.55	402.88	402.35	16.35
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	389.60	384.51	386.06	385.46	24.40
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	389.62	384.49	385.66	385.25	24.82
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	360.50	359.76	359.90	359.76	4.45
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	360.84	360.12	360.22	360.01	5.36
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	332.22	332.92	331.30	331.14	8.64
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	324.02	322.77	323.27	322.88	6.50
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	323.30	322.39	322.94	322.39	6.05
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	319.33	318.46	318.46	318.23	6.76
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	319.98	319.12	318.34	318.01	7.27

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 2022 Depth to Water
		F2014	S2015	F2015	S2016	F2016	S2017	F2017	S2018	F2018	S2019	F2019	S2020	F2020	S2021	F2021	S2022	F2022	
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	319.27	319.02	318.96	318.60	7.17
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	354.31	353.81	353.34	352.96	9.60
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	353.55	353.59	353.17	352.83	9.07
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	389.33	386.99	388.26	386.80	18.21
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	391.28	387.26	389.42	387.69	22.32
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	354.54	352.85	352.73	351.86	10.03
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	352.27	351.77	351.49	351.56	11.61
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	360.91	359.84	360.24	360.06	3.18

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



**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A
		Sample Date:	8/2/2022	8/2/2022	8/2/2022	8/3/2022	8/3/2022	8/4/2022	8/8/2022	8/11/2022	8/11/2022	8/9/2022	8/9/2022	8/9/2022
		MCL	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	--	46.4	26.9	28	16.4	47.3	52.6	258	121	462	15.7	48.9	29.4
Ammonia Nitrogen	mg/L	--	0.04 J	0.08 J	0.04 J	0.06 J	0.03 J	0.08 J	0.19 J	0.17 J	0.03 J	0.12 J	0.03 J	0.13 J
Chemical Oxygen Demand	mg/L	--	11.9	12.4	25.5	3 U	7.3 J	16.9	13.8	31.6	9.7 J	3 U	16	5.8 J
Chloride	mg/L	--	2.22 J	3.04	3.42 J	3.16 J	2.91 J	176	511	87	102	30.1	2.4 J	21.5
Dissolved Oxygen, Field	mg/L	--	8.32	3.36	3.01	8.81	2.78	7.07	0.98	0.87	8.51	6.18	8.49	4.74
Hardness (Total)	mg/L	--	33.0	20.8	22.5	35.3	23.8	261	555	196	465	61.1	79	89.3
Nitrate as Nitrogen	mg/L	10	0.193	0.052	0.057	0.057	0.082	0.663	0.011 U	0.539	5.77	1.92	0.221	3.33
ORP, Field	mV	--	122.3	176.7	233.1	173.5	103.1	118.8	97.1	33.2	75.8	249.2	174.5	197
pH, Field	pH units	--	6.12	5.3	5.26	5.72	7.10	5.68	5.82	5.76	7.71	5.12	5.88	5.43
pH, Lab	pH units	--	6.30	5.47	5.45	5.92	6.70	5.88	5.95	5.74	7.21	5.47	5.88	5.48
Specific Conductivity, Field	µS/cm	--	865	72	63	38.9	179.3	603	1922	843	706	113	76.9	141.2
Specific Conductivity, Lab	umhos/cm	--	101.3	78.5	87.78	52.44	97.97	700.4	2084	619.2	1174	159.3	123.2	184.6
Sulfate, total	mg/L	--	0.3 U	0.3 U	0.3 U	0.5 J	4.9	4.4	27.4	53.5	28.9	0.3 U	8.1	7.8
Temperature, field	°C	--	15.5	14.4	15.8	13.9	7.3	13.9	17.4	18.6	14.1	17.5	13.7	16.2
Total Dissolved Solids	mg/L	--	83.5	50	48.5	45.5	74.5	440	1150	364	654	106	92.5	128
Total Suspended Solids	mg/L	--	127	14.4	11.9	2050	31.4	1610	552	5	33.5	3410	491	2190
Turbidity	NTU	--	14.9	1.35	2.14	101	8.62	309	10.5	3.23	1.81	226	153	194
Turbidity, Field	NTU	--	105	18.9	4.68	88.7	23.71	1076	24.19	8.08	24.5	131	323	118
<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	0.00249	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Barium (Total)	mg/L	2	0.00341 J	0.0105	0.0133	0.0377	0.00901 J	0.146	0.405	0.0748	0.106	0.0948	0.249	0.111
Beryllium (Total)	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00107 J	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	--	5.92	4.1	4.35	3.5	6.05	46.2	89.4	39.6	79.9	8.3	11.5	17.8
Chromium (Total)	mg/L	0.1	0.0219	0.00465 J	0.00771 J	0.0198	0.0067 J	0.0213	0.00259 J	0.0076 J	0.00372 J	0.0226	0.0211	0.0231
Cobalt (Total)	mg/L	--	0.00143 J	0.00438 J	0.001 U	0.0107	0.001 U	0.0113	0.742	0.0122	0.001 U	0.00803 J	0.012	0.00762 J
Copper (Total)	mg/L	--	0.00456	0.00354	0.00259	0.0262	0.00407	0.0179	0.00474	0.00465	0.00262	0.00994	0.0509	0.0152
Iron (Total)	mg/L	--	1.34	0.103	0.124	14.9	0.475	20.6	4.86	1.56	0.0596 J	9.71	20.6	12.9
Lead (Total)	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.00591	0.001 U	0.012	0.001 U	0.001 U	0.001 U	0.00658	0.00866	0.00476
Magnesium (Total)	mg/L	--	4.42	2.56	2.82	6.45	2.1	35.4	80.6	23.5	64.5	9.8	12.2	10.9
Manganese (Total)	mg/L	--	0.0327	0.029	0.0708	0.537	0.0214	1.39	48.3	2.13	0.00458 J	0.323	0.348	0.218
Mercury (Total)	mg/L	0.002	0.0001 U	0.000211	0.000431	0.0001 U	0.0001 U	0.000313	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Nickel (Total)	mg/L	--	0.0167	0.0036 J	0.00554 J	0.0199	0.00448 J	0.0248	0.0944	0.00885 J	0.0038 J	0.0206	0.0221	0.021
Potassium (Total)	mg/L	--	1.26	1.4	1.47	4.33	1.1	8.08	4.47	3.06	11.9	3.34	5.92	2.46
Selenium (Total)	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.00124	0.001 U	0.00447 J	0.00597 J	0.001 U	0.001 U	0.00151 J	0.00228 J	0.0013 J
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	--	7.79	4.16	4.17	3.8	11.7	34.5	199	44	79.1	5	6.77	6.28
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	--	0.00238 J	0.001 U	0.001 U	0.0213	0.001 U	0.0134	0.001 U	0.001 U	0.00113	0.0125	0.0475	0.0245
Zinc (Total)	mg/L	--	0.00897 J	0.00645 J	0.00475 J	0.0588	0.0124	0.0737	0.0362	0.00866 J	0.004 U	0.0771 B	0.112 B	0.0523 B
<b>VOCs</b>														
1,1,1,2-Tetrachloroethane	µg/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	µg/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	µg/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	µg/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

**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A
		Sample Date:	8/2/2022	8/2/2022	8/2/2022	8/3/2022	8/3/2022	8/4/2022	8/8/2022	8/11/2022	8/11/2022	8/9/2022	8/9/2022	8/9/2022
		MCL	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-Dichloroethane	µg/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-Dichloroethene	µg/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
1,2,3-Trichloropropane	µg/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	µg/L	0.2	0.048 U	0.048 U	0.047 U	0.048 U	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U	0.048 U	0.047 U	0.047 U
1,2-Dibromoethane	µg/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	µg/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	µg/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	µg/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
1,4-Dichlorobenzene	µg/L	75	1 U	1 U	1 U	1 U	1 U	1 U	5.5	1 U	1 U	1 U	1 U	1 U
2-Butanone	µg/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	µg/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	µg/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	µg/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	µg/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
Benzene	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	8.0	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/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	µg/L	80	1 U	1 U	1 U	1.6	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/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	µg/L	70	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/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	µg/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
Ethylbenzene	µg/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	µg/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	µg/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 Tertiary Butyl Ether	µg/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	µg/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	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1.3 B	1 U	1 U	1.2	1.00	1.20
o-Xylene	µg/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
Tetrachloroethene	µg/L	5	1 U	1.1	1.1	1 U	1 U	1 U	1 U	1.2	1 U	2.6	1 U	1 U
Toluene	µg/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	µg/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
trans-1,3-Dichloropropene	µg/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	µg/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	µg/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	µg/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	µg/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
Xylene	µg/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

**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	MW-11B	MW-12	MW-13A	MW-13B	MW-14A	MW-14B	MW-15	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A	
		Sample Date:	8/9/2022	8/9/2022	8/1/2022	8/1/2022	8/9/2022	8/9/2022	8/9/2022	8/10/2022	8/10/2022	8/10/2022	8/10/2022	8/10/2022	8/8/2022
		MCL	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	--	72.6	16.4	27.3	230 H	24.2	38.8	27.5	260	196	65.7	121	447	
Ammonia Nitrogen	mg/L	--	0.03 J	0.02 U	0.07 J	0.02 U	0.07 J	0.02 U	0.07 J	0.17 J	0.09 J	0.11 J	0.02 U	9.1	
Chemical Oxygen Demand	mg/L	--	7.8 J	5.1 J	21.8	16.3	4.5 J	7 J	12.8	36.1	46.4	44.5	26.9	33.7	
Chloride	mg/L	--	26.8	71.6	107	108	81.4	25	34.9	75.3	257	282	162	49.1	
Dissolved Oxygen, Field	mg/L	--	4	5.88	0.99	0.98	5.83	5.66	4.63	0.84	1.05	0.9	0.98	0.81	
Hardness (Total)	mg/L	--	99.3	54	168	361	165	74.5	110	209	418	335	301	345	
Nitrate as Nitrogen	mg/L	10	3.07	1.76	5.17	4.96	2.57	4.74	4.65	5.68	0.479	2.03	1.66	0.412	
ORP, Field	mV	--	178.1	246.8	22.18	143.8	223.8	190.7	211.7	-35.6	68.5	169.4	154.5	240	
pH, Field	pH units	--	6.14	5.22	5.03	5.99	5.34	5.71	5.45	6.27	5.49	5.63	5.84	6.18	
pH, Lab	pH units	--	6.27	5.29	5.20	6.16	5.47	5.78	5.54	6.51	6.44	5.99	6.92	6.30	
Specific Conductivity, Field	µS/cm	--	215.2	333.5	376.3	688	358.6	180.4	204.4	923	1138	950	841	737	
Specific Conductivity, Lab	umhos/cm	--	251.9	368.6	473.8	837.5	389.8	203.8	228.6	787	1174	1073	776.5	959.4	
Sulfate, total	mg/L	--	2.7 J	29.4	1.1 J	21.4	20.3	2.2 J	5.4	28.1	2.5 J	12.4	8.8	12.2	
Temperature, field	°C	--	14.1	17.3	11.8	12.1	17.3	15.2	16	20.7	17.3	12.2	17.7	13.1	
Total Dissolved Solids	mg/L	--	166	207	293	493	242	147	146	441	627	614	472	498	
Total Suspended Solids	mg/L	--	24	226	90	2.3 U	1000	57.8	956	788	20.2	2600	21	194	
Turbidity	NTU	--	21.2	15.3	28.3	0.5 U	446	12.4	271	286	6.73	350	9.86	26.3	
Turbidity, Field	NTU	--	52	45	52.5	3.5	415	70	300	58.2	10.75	92.68	30.64	8.51	
<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	0.00149 J	0.00835	0.00177 J	0.00261	0.001 U	0.0022	
Barium (Total)	mg/L	2	0.0268	0.119	0.229	0.0744	0.339	0.0212	0.171	0.47	0.0337	0.184	0.0418	0.343	
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	0.00111 J	0.001 U	0.00217	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	--	20.5	11.1	29.5	91	20.4	15.5	14.6	25.1	65	56.5	74.8	69.3	
Chromium (Total)	mg/L	0.1	0.00381 J	0.00404 J	0.00417 J	0.001 U	0.0916	0.0038 J	0.0246	0.0197	0.00473 J	0.0195	0.00266 J	0.001 U	
Cobalt (Total)	mg/L	--	0.00122 J	0.001 U	0.0171	0.001 U	0.0266	0.001 U	0.0114	0.014	0.0088 J	0.058	0.001 U	0.0689	
Copper (Total)	mg/L	--	0.00286	0.00226	0.0107	0.00237	0.11	0.00222	0.0861	0.0605	0.00293	0.0603	0.0163	0.00199	
Iron (Total)	mg/L	--	1.82	1.01	3.31	0.0112 J	34.8	1.17	26.9	23.4	2.29	25.3	0.547	17.1	
Lead (Total)	mg/L	0.015	0.001 U	0.00115 J	0.0015 J	0.001 U	0.0042	0.001 U	0.00576	0.0143	0.001 U	0.0116	0.00177 J	0.001 U	
Magnesium (Total)	mg/L	--	11.7	6.35	23	32.5	27.7	8.72	17.8	35.5	62	47	27.8	41.8	
Manganese (Total)	mg/L	--	0.0357	0.0305	0.583	0.0379	0.319	0.0317	0.391	9.19	12.6	2.4	0.0725	8.46	
Mercury (Total)	mg/L	0.002	0.0001 U	0.0001 U	0.000158 J	0.000257	0.0001 U	0.0001 U	0.0001 U	0.000503	0.0001 U	0.00112	0.0001 U	0.0001 U	
Nickel (Total)	mg/L	--	0.00219 J	0.00266 J	0.0134	0.00246 J	0.104	0.00317 J	0.031	0.0318	0.0128	0.0425	0.0126	0.0111	
Potassium (Total)	mg/L	--	1.18	1.68	3.14	3.62	8	1.68	2.29	6.23	4.14	6.31	5.68	25.4	
Selenium (Total)	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.00156 J	0.001 U	0.0031 J	0.0043 J	0.001 U	0.00818 J	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	0.00123 J	0.001 U	0.001 U	
Sodium (Total)	mg/L	--	10.8	49.2	15.5	20.9	33.8	8.65	9.14	86.7	57.7	74.6	25.6	49.8	
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	--	0.00732 J	0.00207 J	0.00863 J	0.00112 J	0.082	0.00173 J	0.0222	0.0141	0.00124 J	0.0267	0.001 U	0.001 U	
Zinc (Total)	mg/L	--	0.00624 JB	0.00953 JB	0.0279	0.00432 J	0.12 B	0.00496 JB	0.0987 B	0.11	0.0103	0.176	0.0616	0.00661 J	
<b>VOCs</b>															
1,1,1,2-Tetrachloroethane	µg/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	µg/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	µg/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	µg/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	

**Table 2**  
**Fall 2022 Results**

Parameters	Units	Location:	MW-11B	MW-12	MW-13A	MW-13B	MW-14A	MW-14B	MW-15	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A	
		Sample Date:	8/9/2022	8/9/2022	8/1/2022	8/1/2022	8/9/2022	8/9/2022	8/9/2022	8/9/2022	8/10/2022	8/10/2022	8/10/2022	8/10/2022	8/8/2022
		MCL	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-Dichloroethane	µg/L	--	1 U	1 U	7.5	6	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1.3	
1,1-Dichloroethene	µg/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	
1,2,3-Trichloropropane	µg/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	µg/L	0.2	0.048 U	0.048 U	0.048 U	0.048 U	0.047 U	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.048 U	0.048 U	
1,2-Dibromoethane	µg/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	µg/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	µg/L	5	1 U	1 U	1.2	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	µg/L	5	1 U	1 U	2.9	3.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	µg/L	75	1 U	1 U	2.8	5.3	1 U	1 U	1 U	1.4	3.8	1 U	1 U	1 U	
2-Butanone	µg/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	µg/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	µg/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	µg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7.9 B	5 U	5 U	
Acrylonitrile	µg/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	
Benzene	µg/L	5	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromochloromethane	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/L	100	1 U	1 U	1 U	1.1	1 U	1 U	1 U	4.5	9.7	1 U	1 U	1 U	
Chloroethane	µg/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	µg/L	80	1.1	1 U	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloromethane	µg/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	µg/L	70	8.0	1 U	42.9	40.0	1 U	1 U	1 U	1 U	1.1	6.3	1 U	4.4	
cis-1,3-Dichloropropene	µg/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	µg/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	
Ethylbenzene	µg/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	µg/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	µg/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 Tertiary Butyl Ether	µg/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	µg/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	µg/L	5	1.20	1	1.6	1.9	1 U	1	1 U	1.1 B	1.1 B	1.5 B	1 B	1 U	
o-Xylene	µg/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	
Tetrachloroethene	µg/L	5	9.9	1 U	6.0	7.7	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	
Toluene	µg/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	µg/L	100	1 U	1 U	1.4	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	µg/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	µg/L	5	4.6	1 U	8.2	7.7	1 U	1 U	1 U	1 U	1 U	1.9	1 U	2.9	
Trichlorofluoromethane	µg/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	µg/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	µg/L	2	1 U	1 U	2.1	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Xylene	µg/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	

**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A
		Sample Date:	8/8/2022	8/4/2022	8/4/2022	8/4/2022	8/4/2022	8/3/2022	8/3/2022	8/8/2022	8/11/2022	8/11/2022	8/10/2022	8/10/2022
		MCL	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	--	275	392	297	54.8	25.1	151	270	112	89.1	60.8	305	367
Ammonia Nitrogen	mg/L	--	0.55 J	0.07 J	0.04 J	0.07 J	0.03 J	0.7 J	0.17 J	0.07 J	0.04 J	0.03 J	1.54	2.52
Chemical Oxygen Demand	mg/L	--	29.4	18.7	12.4	11.4	9.3 J	37.1	42.4	14.5	13.7	15.8	31	29.4
Chloride	mg/L	--	191	154	123	130	96.6	378	363	734	173	410	226	193
Dissolved Oxygen, Field	mg/L	--	1.25	0.87	1.7	1.29	3.25	0.79	0.78	0.88	0.97	0.65	0.98	1.14
Hardness (Total)	mg/L	--	356	480	400	187	125	572	723	796	279	561	427	457
Nitrate as Nitrogen	mg/L	10	0.011 U	0.011 U	0.011 U	0.251	3.08	0.011 U	0.011 U	1.79	0.011 U	1.41	0.011 U	0.036
ORP, Field	mV	--	-9.5	-21.5	-60.1	-53.4	164.7	-18.1	-927	182.4	79.7	184.9	35.8	-56.4
pH, Field	pH units	--	5.96	6.49	6.89	6.35	5.21	5.89	6.36	5.57	6.26	5.49	5.77	6.46
pH, Lab	pH units	--	6.11	6.61	6.92	6.53	5.54	5.98	6.47	4.55	6.33	5.71	6.06	6.26
Specific Conductivity, Field	µS/cm	--	999	1048	735	341.5	354.1	1516	1596	1950	634	1389	1160	1139
Specific Conductivity, Lab	umhos/cm	--	1154	1208	952.8	476.6	424.2	1535	1660	2623	753.8	1504	1268	1287
Sulfate, total	mg/L	--	16.5	37.5	24.6	10.4	7.1	0.8 J	0.3 U	30.7	11.9	24.1	19.8	41.5
Temperature, field	°C	--	14.1	13.1	9.5	10.1	13.9	19.5	16.8	16.8	13.8	15.2	14.1	11.3
Total Dissolved Solids	mg/L	--	623	719	567	356	275	908	1010	1360	371	802	687	712
Total Suspended Solids	mg/L	--	2550	155	61.4	222	1540	2020	225	14.8	45.4	27.9	4.6	52.9
Turbidity	NTU	--	246	39.6	50.8	35.9	47.4	121	74.4	1.65	22	2.51	2.47	132
Turbidity, Field	NTU	--	52.3	22.5	17.1	25.9	321	35.1	19.8	5.74	10.8	8.1	6	21.15
<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	0.00375	0.00149 J	0.00838	0.001 U	0.001 U	0.00909	0.0372	0.001 U	0.00168 J	0.001 U	0.00232	0.00849
Barium (Total)	mg/L	2	0.131	0.0284	0.0338	0.00997 J	0.167	0.379	0.237	0.413	0.249	0.473	0.435	0.296
Beryllium (Total)	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00102 J	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	--	75.4	127	108	26.6	15.9	85.9	123	149	58.4	104	82.8	89.9
Chromium (Total)	mg/L	0.1	0.0632	0.00538 J	0.0023 J	0.00945 J	0.012	0.0355	0.00912 J	0.00153 J	0.00367 J	0.00157 J	0.001 U	0.001 U
Cobalt (Total)	mg/L	--	0.0581	0.00172 J	0.001 U	0.00328 J	0.00534 J	0.104	0.0647	0.00983 J	0.00839 J	0.001 U	0.0523	0.0376
Copper (Total)	mg/L	--	0.0378	0.00537	0.00203	0.00967	0.00118	0.0277	0.00175	0.00483	0.0109	0.00145	0.00122	0.001 U
Iron (Total)	mg/L	--	41	8.96	5.37	4.79	4.05	37.3	55	0.682	3.53	0.643	25	30.4
Lead (Total)	mg/L	0.015	0.0138	0.00252	0.001 U	0.001 U	0.00176 J	0.00906	0.001 U	0.001 U	0.00153 J	0.001 U	0.001 U	0.001 U
Magnesium (Total)	mg/L	--	40.9	39.4	31.2	29.4	20.7	86.7	91.6	103	32.2	73.1	53.5	56.4
Manganese (Total)	mg/L	--	5.13	1.12	0.502	0.244	0.1	12.7	4.97	5.48	1.43	0.047	21.8	15.6
Mercury (Total)	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.000385	0.0001 U	0.0001 U	0.000163 J	0.0001 U	0.000183 J	0.0001 U	0.0001 U
Nickel (Total)	mg/L	--	0.0573	0.00426 J	0.00259 J	0.00643 J	0.00939 J	0.0962	0.0231	0.0313	0.0081 J	0.0118	0.0149	0.0108 J
Potassium (Total)	mg/L	--	3.99	5.66	6.75	3.45	3.79	8.12	4.47	6.01	6.77	6.32	6.85	10.4
Selenium (Total)	mg/L	0.05	0.00165 J	0.001 U	0.001 U	0.00148 J	0.00134	0.00391 J	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	--	82.4	79.8	48.8	17.8	32.2	55.8	39.6	229	24.9	60.3	54.7	65.8
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	--	0.0134	0.00303 J	0.001 U	0.00209 J	0.00529 J	0.0136	0.001 U	0.001 U	0.00294 J	0.00206 J	0.001 U	0.001 U
Zinc (Total)	mg/L	--	0.0634	0.00719 J	0.004 U	0.0197	0.0729	0.0835	0.00419 J	0.0132	0.0084 J	0.00562 J	0.00625 J	0.004 U
<b>VOCs</b>														
1,1,1,2-Tetrachloroethane	µg/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	µg/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	µg/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	µg/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

**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A
		Sample Date:	8/8/2022	8/4/2022	8/4/2022	8/4/2022	8/4/2022	8/3/2022	8/3/2022	8/8/2022	8/11/2022	8/11/2022	8/10/2022	8/10/2022
		MCL	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-Dichloroethane	µg/L	--	9.4	1 U	1 U	1 U	1 U	1.1	1.8	1 U	1 U	1 U	17.3	12.2
1,1-Dichloroethene	µg/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
1,2,3-Trichloropropane	µg/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	µg/L	0.2	0.047 U	0.048 U	0.047 U	0.047 U	0.048 U	0.047 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.047 U
1,2-Dibromoethane	µg/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	µg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U
1,2-Dichloroethane	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1.7
1,2-Dichloropropane	µg/L	5	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.0	2.8
1,4-Dichlorobenzene	µg/L	75	2.1	1.1	1 U	1 U	1 U	13.4	15.5	1.3	1 U	1 U	16.2	10.6
2-Butanone	µg/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	µg/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	µg/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	µg/L	--	5 U	5 U	5 U	7.7	5 U	5 U	5 U	5 U	5 U	5 U	5.4 B	7.6 B
Acrylonitrile	µg/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
Benzene	µg/L	5	1 U	1 U	1 U	1 U	1 U	3.9	5.8	1 U	1 U	1 U	1.4	1 U
Bromochloromethane	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/L	100	1 U	1 U	1 U	1 U	1 U	8.5	5.4	1.8	1 U	1 U	2.4	1.9
Chloroethane	µg/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	µg/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	µg/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	µg/L	70	32	5.2	3.5	1 U	2.4	1.1	1 U	1 U	1 U	1 U	45.7	30.8
cis-1,3-Dichloropropene	µg/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	µg/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
Ethylbenzene	µg/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	µg/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	µg/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 Tertiary Butyl Ether	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1.1
Methylene Bromide	µg/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	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 B	1 U	1 U	1 U	1 U
o-Xylene	µg/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
Tetrachloroethene	µg/L	5	5.5	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	µg/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	µg/L	100	1.0	1 U	1 U	1 U	1 U	1.6	2.2	1 U	1 U	1 U	3.1	2.3
trans-1,3-Dichloropropene	µg/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	µg/L	5	17.9	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U
Trichlorofluoromethane	µg/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	µg/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	µg/L	2	2.8	1 U	1 U	1 U	1 U	3.0	1	1 U	1 U	1 U	8.1	4.9
Xylene	µg/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

**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015	
		Sample Date:	8/1/2022	8/1/2022	8/2/2022	8/2/2022	8/2/2022	8/2/2022	8/3/2022	8/3/2022	8/4/2022	8/8/2022	8/8/2022	8/8/2022	8/8/2022
		MCL	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	--	295	177	351	252	125	230	247	167	342	428	178	116	
Ammonia Nitrogen	mg/L	--	0.73 J	0.44 J	0.04 J	0.04 J	0.03 J	0.05 J	0.38 J	0.05 J	0.08 J	0.53 J	0.04 J	0.02 U	
Chemical Oxygen Demand	mg/L	--	47.9	54.1	50.7	22.4	17.3	11.3	16.9	19.7	47.1	50.5	24.9	9.1 J	
Chloride	mg/L	--	538	610	329	235	162	47.2	75.7	292	461	447	94.8	8.3	
Dissolved Oxygen, Field	mg/L	--	1.06	0.98	1.32	1.06	1.9	1.09	0.88	1.06	1.08	0.84	0.85	1.92	
Hardness (Total)	mg/L	--	935	876	657	594	309	223	247	492	810	812	251	126	
Nitrate as Nitrogen	mg/L	10	0.011 U	0.011 U	0.154	0.704	0.579	0.152	0.011 U	0.011 U	0.011 U	0.011 U	0.397	0.47	
ORP, Field	mV	--	157.5	147.3	145.6	118.9	155.2	93.3	27.7	0.2	127.3	76.1	13.2	58.2	
pH, Field	pH units	--	5.89	5.55	5.98	6.37	5.87	6.41	6.08	5.9	5.65	5.79	5.62	6.19	
pH, Lab	pH units	--	6.14	5.76	6.23	6.74	6.17	6.59	6.40	6.03	5.84	5.98	5.16	5.87	
Specific Conductivity, Field	µS/cm	--	1948	1919	1500	1022	914	489.8	599	1068	1804	1941	351	367.8	
Specific Conductivity, Lab	umhos/cm	--	2233	2241	1805	1272	778.5	573.9	683.7	1239	2069	2134	695.2	387	
Sulfate, total	mg/L	--	15.6	10.2	97.1	45.8	8.9	8.6	2.1 J	1.5 J	10.2	8	12.7	67.3	
Temperature, field	°C	--	13.9	13.1	11.4	10.6	8.2	11.8	13.7	12.1	14.1	16.2	14.8	16.9	
Total Dissolved Solids	mg/L	--	1210	1290	1030	786	476	327	383	781	1110	1170	389	228	
Total Suspended Solids	mg/L	--	15.1	576	122	23.9	12.5	7.3	24.5	4.5	11.5	10.2	4.9	21.1	
Turbidity	NTU	--	3.42	6.76	54.8	12.6	5.64	1.1	4.55	0.708	2.44	2.3	0.679	21.4	
Turbidity, Field	NTU	--	4.26	2.61	75.13	180.23	4.97	6.39	12.63	2.77	9.01	123.4	1.55	19.15	
<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	0.00245	0.001 U	0.001 U	0.00159 J	0.001 U	0.001 U	
Barium (Total)	mg/L	2	0.317	0.0901	0.189	0.0482	0.0744	0.142	0.0478	0.14	0.0262	0.179	0.0186	0.0749	
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	0.0143	0.001 U	0.001 U	0.001 U	
Calcium (Total)	mg/L	--	189	155	148	149	75.4	63.8	55.1	95.7	159	139	46.9	13.1	
Chromium (Total)	mg/L	0.1	0.00193 J	0.00686 J	0.00758 J	0.0024 J	0.00238 J	0.00193 J	0.00136 J	0.001 U	0.00125 J	0.001 U	0.00457 J	0.00251 J	
Cobalt (Total)	mg/L	--	0.0017	0.00313 J	0.00482 J	0.00109 J	0.0115	0.00571 J	0.0187	0.0232	0.00228 J	0.0495	0.001 U	0.00106 J	
Copper (Total)	mg/L	--	0.0528	0.0542	0.00704 J	0.00953 J	0.00628 J	0.00184 J	0.001 U	0.001 U	0.00698 J	0.00495 J	0.001 U	0.00157	
Iron (Total)	mg/L	--	0.191	1.72	0.565	0.639	0.325	0.168	4.96	1.72	0.293	3.01	0.204	3.03	
Lead (Total)	mg/L	0.015	0.001 U	0.001 U	0.00149 J	0.00144 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00176 J	0.001 U	0.001 U	
Magnesium (Total)	mg/L	--	112	119	70	54.1	29.3	15.5	26.7	61.3	101	113	32.5	22.6	
Manganese (Total)	mg/L	--	4.34	3.5	0.615	0.146	0.509	5.01	8.37	14.7	1.97	18.2	0.182	0.427	
Mercury (Total)	mg/L	0.002	0.000185 J	0.000245	0.00064	0.000625	0.000171 J	0.0001 U	0.0001 U	0.0001 U	0.00427	0.000517	0.0001 U	0.0001 U	
Nickel (Total)	mg/L	--	0.0173	0.034	0.0146	0.00261 J	0.00826 J	0.00585 J	0.00646 J	0.0259	0.0363	0.0441	0.0123	0.0142	
Potassium (Total)	mg/L	--	7.56	6.56	5.09	5.94	4.16	2.69	2.94	4.74	5.36	6.38	6.54	1.95	
Selenium (Total)	mg/L	0.05	0.001 U	0.001 U	0.00109 J	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	0.00134 J	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	--	79.7	109	159	29	24.4	27.1	37.4	34.2	127	150	34.4	37.4	
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	0.001 U	0.001 U	0.001 U	0.001 U	
Vanadium (Total)	mg/L	--	0.00159 J	0.00238 J	0.001 U	0.00186 J	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	--	0.0124	0.0416	0.0157	0.00855 J	0.00953 J	0.004 U	0.004 U	0.004 U	0.0425	0.0202	0.004 U	0.0245	
<b>VOCs</b>															
1,1,1,2-Tetrachloroethane	µg/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	µg/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	µg/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	µg/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	

**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015	
		Sample Date:	8/1/2022	8/1/2022	8/2/2022	8/2/2022	8/2/2022	8/3/2022	8/3/2022	8/4/2022	8/8/2022	8/8/2022	8/8/2022	8/8/2022	8/8/2022
		MCL	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-Dichloroethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	8.4	8.7	13.3	1 U	
1,1-Dichloroethene	µg/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	
1,2,3-Trichloropropane	µg/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	µg/L	0.2	0.048 U	0.048 U	0.047 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.047 U	0.047 U	0.048 U	0.047 U	
1,2-Dibromoethane	µg/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	µg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	2.6	1 U	1 U	
1,2-Dichloroethane	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.6	1.4	1 U	
1,2-Dichloropropane	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	3.3	3.5	10.8	1 U	
1,4-Dichlorobenzene	µg/L	75	7.5	9.1	1 U	1 U	1 U	3	5.7	11	19.9	20.4	13.1	1 U	
2-Butanone	µg/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	µg/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	µg/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	µg/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	µg/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	
Benzene	µg/L	5	1.8	2.0	1 U	1 U	1 U	1 U	1 U	1.9	2.1	1.7	3.6	1 U	
Bromochloromethane	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/L	100	2.1	1.9	1.4	1 U	1 U	4.7	8.6	5.8	31	29	4.0	1 U	
Chloroethane	µg/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	µg/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	µg/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	µg/L	70	16.3	20.7	1 U	1.3	1.1	8.5	8.7	22.7	61.7	49.8	46.9	1 U	
cis-1,3-Dichloropropene	µg/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	µg/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	
Ethylbenzene	µg/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	µg/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	µg/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 Tertiary Butyl Ether	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.5	1 U	1 U	
Methylene Bromide	µg/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	µg/L	5	2	3	1 U	1 U	1 U	1 U	1 U	1 U	2.4 B	1 U	2.6 B	1 U	
o-Xylene	µg/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	
Tetrachloroethene	µg/L	5	1.5	1.3	1 U	1 U	1.1	1 U	1 U	1 U	6.4	1.6	17	1 U	
Toluene	µg/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	µg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	2.1	2.2	2.4	1 U	
trans-1,3-Dichloropropene	µg/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	µg/L	5	1.4	1.4	1 U	1 U	1 U	1 U	1 U	1.8	5.7	6	16.6	1 U	
Trichlorofluoromethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	
Vinyl Acetate	µg/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	µg/L	2	1.4	2.3	1 U	1 U	1 U	1 U	1.1	16.9	11.1	13	5.5	1 U	
Xylene	µg/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	



**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
		Sample Date:	8/4/2022	8/2/2022	8/1/2022	8/10/2022	8/2/2022	8/4/2022	8/3/2022	8/1/2022
		MCL	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
<b>General Parameters</b>										
Alkalinity	mg/L	--	394	1160	928	79.1	78.6	114	120	70.4
Ammonia Nitrogen	mg/L	--	2.92	16.9	20.2	0.03 J	0.04 J	0.21 J	0.04 J	0.05 J
Chemical Oxygen Demand	mg/L	--	35.5	142	96.4	13.3	25	14.5	17.3	22.3
Chloride	mg/L	--	142	444	279	104	134	128	99.4	136
Dissolved Oxygen, Field	mg/L		1.05	0.83	0.94	8.71	8.69	5.48	7.68	7.39
Hardness (Total)	mg/L	--	384	619	953	152	189	226	193	176
Nitrate as Nitrogen	mg/L	10	1.36	0.011 U	0.031	1.14	0.947	1.09	1.07	0.749
ORP, Field	mV	--	76.1	141.3	-111.7	137.1	240.9	163	294.5	181.8
pH, Field	pH units	--	6.39	6.61	6.98	8.00	7.83	7.19	7.09	8.18
pH, Lab	pH units	--	5.60	7.00	6.54	7.45	7.67	7.52	7.97	7.39
Specific Conductivity, Field	µS/cm	--	1035	2785	2935	450.2	3998	666	268.2	458.6
Specific Conductivity, Lab	umhos/cm	--	1185	3.289	2690	528	620.5	711.7	600.5	611.8
Sulfate, total	mg/L	--	26.8	44.6	212	15.4	11.5	35.2	22.1	10.8
Temperature, field	°C	--	14	12	11.8	17	19.2	21.9	21.9	23.8
Total Dissolved Solids	mg/L	--	671	1930	1610	288	368	433	348	322
Total Suspended Solids	mg/L	--	32.7	45.1	114	4.1	2.3 U	2.2 U	2.2 U	3.5
Turbidity	NTU	--	14.9	35.1	93.6	2.42	0.534	1.64	0.949	3.06
Turbidity, Field	NTU	--	78.32	7.22	41.9	5.3	4.2	163.35	15.7	6.5
<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	0.00131	0.00287	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Barium (Total)	mg/L	2	0.124	0.337	0.27	0.0709	0.0509	0.0816	0.062	0.0569
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	--	65	98.3	156	34.1	37.8	56.1	49.3	35.5
Chromium (Total)	mg/L	0.1	0.00269 J	0.00687 J	0.00476 J	0.001 U	0.001 U	0.00868 J	0.00141 J	0.001 U
Cobalt (Total)	mg/L	--	0.0305	0.0676	0.00941 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Copper (Total)	mg/L	--	0.00227	0.0652	0.0062 J	0.0012 J	0.001 U	0.00239 J	0.00243 J	0.00117 J
Iron (Total)	mg/L	--	1.85	1.18	13	0.252	0.124	0.278	0.146	0.489
Lead (Total)	mg/L	0.015	0.001 U	0.0013 J	0.00134 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Magnesium (Total)	mg/L	--	54	90.7	137	16.3	23.1	20.7	16.9	21.3
Manganese (Total)	mg/L	--	23.6	14.1	3.37	0.121	0.0165	0.136	0.013	0.0407
Mercury (Total)	mg/L	0.002	0.0001 U	0.0001 U	0.00011	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Nickel (Total)	mg/L	--	0.0161	0.0887	0.0249	0.00414 J	0.00316 J	0.00333 J	0.00268 J	0.00481 J
Potassium (Total)	mg/L	--	17.6	54.1	45.7	2.04	3.75	8.61	6.67	3.23
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	--	85.3	537	233	40.6	45.5	51.3	39.8	43.8
Thallium (Total)	mg/L	0.002	0.001 U	0.00151	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	0.00149 J	0.005 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Zinc (Total)	mg/L	--	0.0102	0.0163	0.0742	0.00747 J	0.004 U	0.004 U	0.004 U	0.004 U
<b>VOCs</b>										
1,1,1,2-Tetrachloroethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	µg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

**Table 2  
Fall 2022 Results**

Parameters	Units	Location:	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
		Sample Date:	8/4/2022	8/2/2022	8/1/2022	8/10/2022	8/2/2022	8/4/2022	8/3/2022	8/1/2022
		MCL	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	µg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	µg/L	0.2	0.048 U	0.048 U	0.048 U	0.047 U	0.047 U	0.047 U	0.047 U	0.048 U
1,2-Dibromoethane	µg/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	µg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	75	3	1.6	3.3	1 U	1 U	1 U	1 U	1 U
2-Butanone	µg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	µg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	µg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	µg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	µg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	µg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	µg/L	100	2.7	3.4	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	µg/L	70	3.1	1 U	3.8	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	µg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	µg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	µg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Tertiary Butyl Ether	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Bromide	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	µg/L	5	1 U	1 U	1 U	1 B	1 U	1 U	1 U	1 U
o-Xylene	µg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	µg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	µg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	µg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	µg/L	2	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene	µg/L	10000	1 U	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 (µg/L)	6.2	6	3.3%	1.9	1.8	5.6%	8.4	8.4	0.0%
1,2-Dichlorobenzene (µg/L)	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	2.9	2.8	3.6%
1,2-Dichloroethane (µg/L)	1.1	1.2	8.3%	1.0 U	1.0 U	NA	1.7	1.6	6.2%
1,2-Dichloropropane (µg/L)	3.9	3.6	8.3%	1.0 U	1.0 U	NA	3.8	3.3	15.2%
1,4-Dichlorobenzene (µg/L)	5.5	5.3	3.8%	16	15.5	3.2%	20.3	19.9	2.0%
Benzene (µg/L)	1.1	1.2	8.3%	5.8	5.8	0.0%	2.1	2.1	0.0%
Chlorobenzene (µg/L)	1.2	1.1	9.1%	5.6	5.4	3.7%	30.9	31	0.3%
cis-1,2-Dichloroethene (µg/L)	40.8	40	2.0%	1.0 U	1.0 U	NA	63.1	61.7	2.3%
Methyl tert-butyl ether (MTBE)	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	1.6	1.6	0.0%
Methylene chloride (µg/L)	2	1.9	5.3%	1.0 U	1.0 U	NA	2.5	2.4	4.2%
Tetrachloroethene (µg/L)	7.8	7.7	1.3%	1.0 U	1.0 U	NA	6.4	6.4	0.0%
trans-1,2-Dichloroethene (µg/L)	1.5	1.2	25.0%	2.4	2.2	9.1%	2.3	2.1	9.5%
Trichloroethene (µg/L)	8	7.7	3.9%	1.0 U	1.0 U	NA	5.8	5.7	1.8%
Vinyl chloride (µg/L)	3.3	2.9	13.8%	1.4	1	40.0%	11.3	11.1	1.8%

(1) Duplicate sample

(2) RPDs>20% are shaded

**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 (mg/L)	228	230	0.9%	277	270	NA	335	342	2.0%
Ammonia Nitrogen (mg/L)	0.03	0.02 U	NA	0.19	0.17	11.8%	0.07	0.08	12.5%
Chemical Oxygen Demand (mg/L)	12.9	16.3	20.9%	41.7	42.4	1.7%	42.2	47.1	10.4%
Chloride (mg/L)	107	108	0.9%	365	363	0.6%	461	461	0.0%
Hardness as CaCO <sub>3</sub> (mg/L)	353	361	2.2%	728	723	0.7%	810	810	0.0%
Nitrate, as N (mg/L)	4.94	4.96	0.4%	0.011 U	0.011 U	NA	0.011 U	0.011 U	NA
pH, Lab (SU)	6.18	6.16	0.3%	6.51	6.47	0.6%	5.81	5.84	0.5%
Specific Conductivity, Lab (uS/cm)	827.9	837.5	1.1%	1661	1660	0.1%	2047	2069	1.1%
Sulfate, total (mg/L)	21.4	21.4	0.0%	0.3 U	0.3 U	NA	10.2	10.2	0.0%
Total Dissolved Solids (mg/L)	497	493	0.8%	1030	1010	2.0%	1090	1110	1.8%
Total Suspended Solids (mg/L)	2.3 U	2.3 U	NA	88.9	225	60.5%	12.3	11.5	7.0%
Turbidity (NTU)	0.22 U	0.22 U	NA	55	74.4	26.1%	3.06	2.44	25.4%
Arsenic, total (mg/L)	0.001 U	0.001 U	NA	0.0377	0.0372	1.3%	0.001 U	0.0262	NA
Barium, total (mg/L)	0.0748	0.0744	0.5%	0.237	0.237	0.0%	0.0264	0.001 U	NA
Cadmium, total (mg/L)	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.0148	0.0143	3.5%
Calcium, total (mg/L)	88.2	91	3.1%	122	123	0.8%	157	159	1.3%
Chromium, total (mg/L)	0.001 U	0.001 U	NA	0.00885	0.00912	3.0%	0.00156	0.00125	24.8%
Cobalt, total (mg/L)	0.001 U	0.001 U	NA	0.0639	0.0647	1.2%	0.00242	0.00228	6.1%
Copper, total (mg/L)	0.0025	0.00237	5.5%	0.00161	0.00175	8.0%	0.00849	0.00698	21.6%
Iron, total (mg/L)	0.00952	0.0112	15.0%	55.5	55	0.9%	0.376	0.293	28.3%
Lead, total (mg/L)	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA
Magnesium, total (mg/L)	32.4	32.5	0.3%	103	91.6	12.4%	102	101	1.0%
Manganese, total (mg/L)	0.037	0.0379	2.4%	4.88	4.97	1.8%	1.99	1.97	1.0%
Mercury, total (mg/L)	0.000245	0.000257	4.7%	0.0001 U	0.0001 U	NA	0.0049	0.00427	14.8%
Nickel, total (mg/L)	0.00258	0.00246	4.9%	0.0235	0.0231	1.7%	0.0367	0.0363	1.1%
Potassium, total (mg/L)	3.55	3.62	1.9%	4.44	4.47	0.7%	5.46	5.36	1.9%
Sodium, total (mg/L)	20.9	20.9	0.0%	39.6	39.6	0.0%	127	127	0.0%
Vanadium, total (mg/L)	0.00105	0.00112	6.3%	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA
Zinc, total (mg/L)	0.00529	0.00432	22.5%	0.004 U	0.00419	NA	0.0442	0.0425	4.0%

(1) Duplicate sample

(2) RPDs>20% are shaded

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

Monitoring Well	Parameter	Units	MCL	Result
<b>Northwest</b>				
MW-11B	Tetrachloroethene	µg/L	5	9.9
MW-13A	Tetrachloroethene	µg/L	5	6.0
	Trichloroethene	µg/L	5	8.2
	Vinyl Chloride	µg/L	2	2.1
MW-13B	Tetrachloroethene	µg/L	5	7.7
	Trichloroethene	µg/L	5	7.7
	Vinyl Chloride	µg/L	2	2.9
OB03	Vinyl Chloride	µg/L	2	8.1
OB03A	Vinyl Chloride	µg/L	2	4.9
OB04A	Vinyl Chloride	µg/L	2	2.3
<b>Southwest</b>				
MW-21B	Tetrachloroethene	µg/L	5	5.5
	Trichloroethene	µg/L	5	17.9
	Vinyl Chloride	µg/L	2	2.8
OB12	1,2-Dichloropropane	µg/L	5	10.8
	Tetrachloroethene	µg/L	5	17.0
	Trichloroethene	µg/L	5	16.6
	Vinyl Chloride	µg/L	2	5.5
<b>South</b>				
OB11	Tetrachloroethene	µg/L	5	6.4
	Trichloroethene	µg/L	5	5.7
	Vinyl Chloride	µg/L	2	11.1
OB11A	Trichloroethene	µg/L	5	6.0
	Vinyl Chloride	µg/L	2	13.0
OB025	Vinyl Chloride	µg/L	2	2.3
<b>Southeast</b>				
MW-24A	Vinyl Chloride	µg/L	2	3.0
MW-24B	Benzene	µg/L	5	5.8
OB10	Vinyl Chloride	µg/L	2	16.9

**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	0.0143
	Mercury, total	mg/L	0.002	0.00427
<b>Southeast</b>				
MW-24B	Arsenic, total	mg/L	0.01	0.0372

**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	3/23/2021	8/30/2021	3/28/2022	8/1/2022
MW-1B	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
MW-2A	0.0	0.0	0.0	0.0	0.0	0.1	13.3	0.0	0.0	0.0	0.0	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	0.0	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	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	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	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	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	0.0	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	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	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	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	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	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	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	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	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
MW-13B	--	--	--	--	--	--	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
MW-16A	--	--	--	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
MW-19A	--	--	--	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
MW-21A	--	--	--	0.7	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
MW-22A	--	--	--	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
MW-23A	--	--	--	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
MW-24A	--	--	--	13.5	2.3	0.0	0.0	0.0	0.0	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	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	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	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	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
OB03A	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	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	0.0
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	0.0
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	0.1
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	0.0
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	0.0
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	0.0
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	0.0
OB07	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	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
OB011	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	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	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	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	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	0.0	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	0.0

\* Unable to sample - well within construction site







# **Appendix A**

## **Field Forms**

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EA Engineering, Science,  
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-1B SAMPLE ID. MW-1B

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, N. Kraham

DATE 8/2/22 TIME 800 WEATHER partly cloudy

WELL DEPTH 99.92 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 46.98 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 78-98 ft bgs PUMP DEPTH 94 ft  
 PUMP START TIME 800 min PUMP END TIME 820 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME ~~partly cloudy~~  
820

HISTORICAL DATA: WELL DEPTH 98 ft bgs, WATER DEPTH 41 ft, PUMP DEPTH 88 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>o</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/2/22	800	—	6.16	78.2	16.1	98.5	110.7	9.11	47.24	.2
	805	1	6.01	82.7	18.1	116.3	101.7	8.36	47.20	.2
	810	2	6.00	82.0	18.0	121.3	67.8	8.21	47.16	.2
	815	43	6.00	82.0	17.5	119.0	68.0	8.06	47.16	.2
	820	54	6.00	81.6	17.5	117.4	64.0	7.90	47.15	.2
	<del>825</del>	<del>5</del>								

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Hannah Flowers

**WELL PURGING AND SAMPLING RECORD**

WELL ID MW-2A SAMPLE ID. MW-2A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Graham

DATE 8/2/22 TIME 920 WEATHER mostly sunny

WELL DEPTH ~~60.29~~ 79.58 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 60.29 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 55-75 ft bgs PUMP DEPTH 75 ft  
 PUMP START TIME ~~920~~ ~~79.58~~ min PUMP END TIME 35 min  
 PUMP RATE .2 LPM SAMPLING TIME ~~35~~ 9:55

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>o</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/2/22	920	—	5.18	63.2	15.9	172.8	27.0	2.77	60.92	.2
	925	1	5.08	59.8	17.7	197.8	14.3	2.75	60.97	.2
	930	2	5.04	60.4	19	217.8	17.2	2.62	60.97	.2
	935	3	5.07	60.5	19.4	224.4	20.4	2.55	60.97	.2
	940	4	5.09	60.5	19.6	226.7	14.8	2.51	60.97	.2
	945	5	5.09	60.6	19.8	228.8	10.1	2.49	60.97	.2
	950	6	5.11	60.8	20.6	210.7	15.9	2.46	60.97	.2
	955	7	5.08	61.2	20.1	218.9	13.3	2.46	60.97	.2

METHANE READING (GEM) 0.2%  
 COMMENTS Strong odor when taking plug out

SIGNATURE Mattie [Signature]







EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-3A       SAMPLE ID.       MW-3A      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       H. Flowers, M. Kraham      

DATE       8 / 3 / 22       TIME       820       WEATHER       sunny      

WELL DEPTH       25.44       ft bgs CASING HEIGHT       2       ft  
 WATER DEPTH       9.05       ft WELL DIAMETER       2       in  
 SCREEN INTERVAL       5-25       ft bgs PUMP DEPTH       20       ft  
 PUMP START TIME       820       min PUMP END TIME       35       min  
 PUMP RATE       .2       LPM  
 SAMPLING METHOD       Low-flow       SAMPLING TIME       8:55      

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	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/3/22	820	—	5.64	39.1	14.8	275.5	667.9	8.95	9.40	.2
	825	1	5.50	38.5	15.5	292.6	981.3	8.86	9.78	.2
	830	2	5.49	39.5	16.5	301.6	937.9	8.85	9.83	.2
	835	3	5.50	39	16.3	324.6	334.6	8.82	9.83	.2
	840	4	5.49	38.9	16.5	338.4	224.6	8.80	9.88	.2
	845	5	5.47	38.8	16.5	340.9	112.6	8.78	9.88	.2
	850	6	5.47	39	16.7	337.8	116.7	8.76	9.90	.2
	855	7	5.47	39	16.6	336.9	117.9	8.75	9.90	.2

METHANE READING (GEM)       0%      

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

SIGNATURE       Hannah Flowers



**WELL PURGING AND SAMPLING RECORD**

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/3/22 TIME 9:20 WEATHER Sunny

WELL DEPTH 98.26 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 8.57 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 76-96 ft bgs PUMP DEPTH 88 ft  
 PUMP START TIME 9:20 min PUMP END TIME 1:00 min  
 PUMP RATE .2 LPM SAMPLING TIME 1000  
 SAMPLING METHOD Low-flow

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L		LPM
8/3/22	9:20	—	6.18	67.3	14.4	359.9	15.6	8.12	8.57	.2
	9:25	1	6.29	102.8	15	305.1	14.4	4.58	9.91	.2
	9:30	2	6.29	106.6	15.6	287.7	14.6	4.77	9.91	.2
	<del>9:35</del>	3	6.35	120.9	14.5	248.6	10.5	5.66	9.91	.2
	<del>9:40</del>	4	6.33	121.4	15.7	244.7	9.8	5.81	16.69	.2
	<del>9:45</del>	5	6.29	118.6	15.6	247.9	9.0	5.86	17.31	.2
	10:00	6	6.29	116.9	16.3	253.1	8.9	5.83	16.69	.2
	<del>10:05</del>	7								

METHANE READING (GEM) 0%

COMMENTS YSI issue had to restart purging

SIGNATURE Hannah Flowers







## WELL PURGING AND SAMPLING RECORD

WELL ID MW-7 SAMPLE ID MW-7

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL Mukherjee B. Harvey

DATE 8 / 11 / 22 TIME 10:00 WEATHER Mossy Cloudy

WELL DEPTH <u>55.5</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>44.93</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>33-53</u> ft bgs	PUMP DEPTH <u>52</u> ft
PUMP START TIME <u>10:00</u> min	PUMP END TIME <u>30</u> min
PUMP RATE <u>1.2</u> LPM	SAMPLING TIME <u>1030</u>
SAMPLING METHOD <u>Low-flow</u>	

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	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/11/22	10	--	6.11	594	18.1	-3.5	39.2	1.15	45.09	.2
	10:03	1	5.73	617	18.4	30.4	20.4	.87	45.12	.2
	10:06	2	5.66	598	19.2	49.4	17.1	.75	45.14	.2
	10:09	3	5.62	596	19.7	61.5	13.8	.71	45.16	.2
	10:12	4	5.61	596	19.9	66.9	11.4	.67	45.17	.2
	10:15	5	5.61	597	20	66.7	10.6	.66	45.18	.2
	10:18	6	5.60	598	20.1	66.8	9.5	.65	45.20	.2
	10:21	7	5.59	594	20.1	66.9	9.0	.63	45.21	.2
	10:24	8	5.58	599	20.2	67.1	8.3	.64	45.21	.2
	10:27	9	5.58	600	20.2	67.3	8.2	.65	45.22	.2
	10:30	10	5.59	601	20.3	67.2	8.1	.65	45.22	.2

METHANE READING (GEM) 0%

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

SIGNATURE Mukherjee B. Harvey









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 Mikahany B. Harvey

DATE 8/9/22 TIME 10:30 WEATHER Sunny

WELL DEPTH 24 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 7.58 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 23 ft  
 PUMP START TIME 10:30 min PUMP END TIME 15 min  
 PUMP RATE 12 LPM SAMPLING TIME 10:45  
 SAMPLING METHOD Low-flow

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	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/9/22	10:30	-	5.25	111.6	15.1	177.1	113.1	2.51	7.78	.2
	10:33	1	5.78	112.3	15.8	161.1	100.2	1.82	7.79	.2
	10:36	2	5.76	113.4	16.8	153.6	71.3	1.77	7.81	.2
	10:39	3	5.76	109.3	16.1	156.1	51.6	1.81	7.83	.2
	10:42	4	5.76	109.2	15.4	160.3	49.5	1.76	7.85	.2
	10:45	5	5.76	108.9	16.2	161.5	49.7	1.78	7.86	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Matthew [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 M. Kraheim B. Harvey

DATE 8 / 9 / 22 TIME 10:05 WEATHER Sunny

WELL DEPTH 28.23 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 16.29 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 10-30 ft bgs PUMP DEPTH 26 ft  
 PUMP START TIME 10:05 min PUMP END TIME ~~10:15~~ 15 min  
 PUMP RATE .2 LPM SAMPLING TIME 19:20  
 SAMPLING METHOD Low-flow

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>°</sup>	°C	mV	NTU	mg/L		LPM
8/9/22	10:05	--	5.51	156.6	15.2	179.8	130.3	5.09	16.45	.2
	10:09	1	5.39	152.4	14.9	196.9	83.4	4.85	16.48	.2
	10:11	2	5.38	152.1	15.3	200.6	63.7	5.03	16.49	.2
	10:14	3	5.36	151.9	15.3	204.8	21.7	5.10	16.51	.2
	10:17	4	5.35	152.4	15.3	205.6	20.3	5.11	16.52	.2
	10:20	5	5.36	153.1	15.4	205.7	20.0	5.12	16.54	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Matt Deh





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Kraham, B. Harvey

DATE 8 / 9 / 22 TIME 9:50 WEATHER Sunny

WELL DEPTH <u>89</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>19.20</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>73-93</u> ft bgs	PUMP DEPTH <u>80</u> ft
PUMP START TIME <u>9:50</u> min	PUMP END TIME <u>10</u> min
PUMP RATE <u>.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>10:05</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>°</sup>	°C	mV	NTU	mg/L		LPM
<u>8/9/22</u>	<u>9:50</u>	<u>--</u>	<u>6.29</u>	<u>205.9</u>	<u>14.6</u>	<u>176.3</u>	<u>17.6</u>	<u>4.81</u>	<u>18.36</u>	<u>.2</u>
	<u>9:53</u>	<u>1</u>	<u>6.21</u>	<u>207.5</u>	<u>14.9</u>	<u>178.7</u>	<u>10.5</u>	<u>4.27</u>	<u>18.41</u>	<u>.2</u>
	<u>9:56</u>	<u>2</u>	<u>6.22</u>	<u>208.9</u>	<u>14.9</u>	<u>180.5</u>	<u>10.2</u>	<u>4.16</u>	<u>18.43</u>	<u>.2</u>
	<u>9:59</u>	<u>3</u>	<u>6.22</u>	<u>209.1</u>	<u>14.8</u>	<u>181.3</u>	<u>10.0</u>	<u>4.14</u>	<u>18.42</u>	<u>.2</u>
	<u>10:02</u>	<u>4</u>	<u>6.22</u>	<u>205.3</u>	<u>14.8</u>	<u>181.4</u>	<u>9.9</u>	<u>4.13</u>	<u>18.42</u>	<u>.2</u>
	<u>10:05</u>	<u>5</u>	<u>6.23</u>	<u>207.4</u>	<u>14.8</u>	<u>181.7</u>	<u>9.9</u>	<u>4.13</u>	<u>18.43</u>	<u>.2</u>

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE *Math*



EA Engineering, Science,  
and Technology, Inc.

# WELL PURGING AND SAMPLING RECORD

WELL ID MW-12 SAMPLE ID. MW-12

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Kulkarni, B. Harvey

DATE 8/9/22 TIME 13:45 WEATHER Sunny

WELL DEPTH 23.20 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 15.22 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 23 ft  
 PUMP START TIME 13:45 min PUMP END TIME 15 min  
 PUMP RATE .2 LPM SAMPLING TIME 14:00

SAMPLING METHOD Low-flow

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 14.1 ft, PUMP DEPTH 20 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>°</sup>	°C	mV	NTU	mg/L		LPM
8/9/22	13:45	--	5.20	330.8	17.3	241.7	101.8	5.86	15.35	12
	13:48	1	5.22	323.1	18.3	244.6	93.5	5.72	15.38	12
	13:51	2	5.29	309.9	18.9	244.7	53.8	5.84	15.39	12
	13:54	3	5.16	344.1	18.8	252.3	52.3	5.79	15.41	12
	13:57	4	5.15	347.7	18.9	260.3	50.4	5.77	15.43	12
	14:00	5	5.14	346.8	18.9	261.4	50.7	5.76	15.44	12

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Matth. [Signature]





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Graham

DATE 08/01/22 TIME 8:30 WEATHER Partly cloudy

WELL DEPTH <u>24.4</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>6.22</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>5-25</u> ft bgs	PUMP DEPTH <u>20</u> ft
PUMP START TIME <u>8:00</u> min	PUMP END TIME <u>8:30</u> min
PUMP RATE <u>.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>8:55</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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L		LPM
8/1/22	800	<u>5</u>	<u>4.86</u>	<u>403.8</u>	<u>15.9</u>	<u>200.5</u>	<u>333.2</u>	<u>.66</u>	<u>6.82</u>	<u>.2</u>
	805	<u>1</u>	<u>4.84</u>	<u>414.1</u>	<u>16.9</u>	<u>162.4</u>	<u>117.7</u>	<u>.37</u>	<u>8.19</u>	<u>.2</u>
	810	<u>2</u>	<u>4.85</u>	<u>412</u>	<u>16.7</u>	<u>152.4</u>	<u>88.8</u>	<u>.24</u>	<u>8.20</u>	<u>.2</u>
	815	<u>3</u>	<u>4.86</u>	<u>411.8</u>	<u>16.7</u>	<u>149.3</u>	<u>91.6</u>	<u>.26</u>	<u>8.20</u>	<u>.2</u>
	820	<u>4</u>	<u>4.86</u>	<u>407.1</u>	<u>16.1</u>	<u>148.1</u>	<u>71.7</u>	<u>.21</u>	<u>8.20</u>	<u>.2</u>
	825	<u>5</u>	<u>4.87</u>	<u>407.3</u>	<u>16.1</u>	<u>146.5</u>	<u>69.4</u>	<u>.20</u>	<u>8.20</u>	<u>.2</u>
	830	<u>6</u>	<u>4.87</u>	<u>407.7</u>	<u>16.1</u>	<u>144.5</u>	<u>73.4</u>	<u>.18</u>	<u>8.20</u>	<u>.2</u>

METHANE READING (GEM) 0

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

SIGNATURE Hannah Flowers



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID MW-13B SAMPLE ID. MW-13B, OB30

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8 / 1 / 22 TIME 10:14 WEATHER Partly cloudy

WELL DEPTH 98.09 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 5.95 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 75-95 ft bgs PUMP DEPTH 80 ft  
 PUMP START TIME 9:14 min PUMP END TIME \_\_\_\_\_ min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 10:14

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°	°C	mV	NTU	mg/L	from TOC	LPM
8/1/22	9:14	--	5.89	660	15.2	205.5	3.6	.66	6.05	.2
	9:19	1	5.85	673	15.7	184.4	6.8	.36	6.05	.2
	9:24	2	5.86	701	15.9	174.5	6.6	.30	6.05	.2
	9:29	3	5.87	705	15.6	169.5	9.4	.26	6.05	.2
	9:34	4	5.87	705	15.5	166.6	12.8	.24	6.05	.2
	9:39	5	5.88	706	15.4	164.2	16.8	.22	6.05	.2
	9:44	6	5.88	708	15.3	162.8	21.0	.21	6.06	.2
	9:49	7	5.88	708	15.4	146.9	27.9	.14	6.06	.2
	9:54	8	5.88	707	15.3	150.5	36.3	.14	6.06	.2
	9:59	9	5.88	708	15.5	152.6	53.1	.18	6.06	.2
	10:04	10	5.88	709	15.6	153.6	54.9	.18	6.06	.2
	10:09	11	5.88	712	15.7	154.5	43.3	.18	6.06	.2
	10:14	12	5.88	714	15.8	155	47.2	.18	6.06	.2

DUPLICATE SAMPLE ID: **OB30**

METHANE READING (GEM) 0

COMMENTS Dup OB30

SIGNATURE Hannah E Flowers











EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-15       SAMPLE ID.       MW-15      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       M. K. Cherry, B. Lawrence      

DATE       8/19/22       TIME       12:45       WEATHER       Sunny      

WELL DEPTH       32.50       ft bgs CASING HEIGHT       2       ft  
 WATER DEPTH       14.34       ft WELL DIAMETER       2       in  
 SCREEN INTERVAL       30-40       ft bgs PUMP DEPTH       38       ft  
 PUMP START TIME       12:40       min PUMP END TIME       1:21       min  
 PUMP RATE       12       LPM  
 SAMPLING METHOD       Low-flow       SAMPLING TIME       13:01      

HISTORICAL DATA: WELL DEPTH 40 ft bgs, WATER DEPTH 12.6 ft, PUMP DEPTH 35 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
8/19/22	12:41	--	5.59	208.7	16.5	224.1	2031.8	5.26	14.83	12
	12:43	1	5.42	205	16.6	235.9	1065.8	4.64	14.95	12
	12:46	2	5.41	204	16.8	242.9	826.3	4.59	14.97	12
	12:49	3	5.40	203.4	16.9	244.5	533.1	4.58	14.91	12
	12:52	4	5.40	201.8	16.9	246.9	110.38	4.57	14.92	12
	12:55	5	5.40	201.6	16.9	249.5	33.41	4.57	14.93	12
	12:59	6	5.40	201.4	16.9	249.8	31.30	4.56	14.93	12
	13:01	7	5.40	201.3	16.9	250.1	30.5	4.57	14.94	12

METHANE READING (GEM)       0%      

COMMENTS       \_\_\_\_\_      

SIGNATURE       Matthew Vukobratovic



EA Engineering, Science,  
and Technology, Inc.

### WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Krahm, B. Harvey

DATE 8/10/22 TIME 11:20 WEATHER Sunny

WELL DEPTH 63.50 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 45.01 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 40-60 ft bgs PUMP DEPTH 58 ft  
 PUMP START TIME 11:20 min PUMP END TIME 11:25 min  
 PUMP RATE .2 LPM SAMPLING TIME 11:45

SAMPLING METHOD Low-flow

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	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L	from TOC	LPM
8/10/22	11:20	-	6.42	828	20.4	-27.9	889.6	1.52	45.82	.2
	11:23	1	6.33	830	21.2	-43.6	483.7	.81	45.86	.2
	11:26	2	6.30	837	22.2	-48.1	440.8	.74	45.91	.2
	11:29	3	6.29	833	22.6	-51.1	418.1	.70	45.92	.2
	11:32	4	6.27	838	22.7	-52.6	456.6	.67	45.94	.2
	11:35	5	6.26	831	23.1	-53.5	452.3	.66	45.96	.2
	11:38	6	6.26	833	23.2	-53.8	450.1	.62	45.96	.2
	11:41	7	6.26	836	23.2	-55.5	448.6	.61	45.98	.2
	11:44	8	6.27	838	23.3	-56.1	447.3	.61	45.98	.2

METHANE READING (GEM) 0.1

COMMENTS Final 11:45

SIGNATURE Matthew Vank





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID MW-16B SAMPLE ID. MW-16B

WELL/SITE DESCRIPTION Guide Landfill

SAMPLING PERSONNEL M. Kraheny B. Harvey

DATE 8 / 10 / 22 TIME 10:30 WEATHER Sunny

WELL DEPTH <u>103.5</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>44.90</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>80-100</u> ft bgs	PUMP DEPTH <u>95</u> ft
PUMP START TIME <u>10:30</u> min	PUMP END TIME <u>30</u> min
PUMP RATE <u>12</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>11</u>

HISTORICAL DATA: WELL DEPTH 90 ft bgs, WATER DEPTH 43.8 ft, PUMP DEPTH 90 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>o</sup>	°C	mV	NTU	mg/L		LPM
↓	10:30	-	6.07	993	20.6	177.5	56.3	1.36	45.03	.2
	10:33	1	5.94	1091	21.4	129.1	37.1	.91	45.05	.2
	10:36	2	5.93	1105	21.4	123.6	32.8	.90	45.07	.2
	10:39	3	5.93	1115	21.4	115.5	30.0	.88	45.09	.2
	10:42	4	5.94	1147	21.8	101.5	19.6	.81	45.11	.2
	10:45	5	5.94	1159	22	93.7	9.2	.75	45.13	.2
	10:48	6	5.95	1169	22.1	89.7	9.3	.70	45.16	.2
	10:51	7	5.94	1178	22.1	83.6	9.1	.66	45.19	.2
	10:54	8	5.94	1179	22.1	81.9	8.5	.62	45.21	.2
	10:57	9	5.93	1176	22.2	80.4	8.3	.61	45.23	.2
11:00	10	5.93	1178	22.3	80.1	8.2	.61	45.25	.2	

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Matthew Usher









EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID        MW-21B        SAMPLE ID.        MW-21B       

WELL/SITE DESCRIPTION        Gude Landfill       

SAMPLING PERSONNEL        H. Flowers, M. Kraham       

DATE        8 / 8 / 22        TIME        9:36        WEATHER        sunny       

WELL DEPTH        89.51        ft bgs      CASING HEIGHT        3        ft  
 WATER DEPTH        6.98        ft          WELL DIAMETER        2        in  
 SCREEN INTERVAL        57-87        ft bgs      PUMP DEPTH        70        ft  
 PUMP START TIME        9:36        min          PUMP END TIME        35        min  
 PUMP RATE        .2        LPM  
 SAMPLING METHOD        Low-flow                 SAMPLING TIME        10:11       

HISTORICAL DATA: WELL DEPTH 91 ft bgs, WATER DEPTH 6.3 ft, PUMP DEPTH 72 ft bgs, PURGE DURATION 120 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L		LPM
8/8/22	9:36	—	6.10	995	16.2	33.1	610.2	1.23	7.11	.2
	9:41	1	6.05	1060	17.7	15.1	90.2	.89	7.13	.2
	9:46	2	6.05	1100	19.4	7.9	53.9	.82	7.14	.2
	9:51	3	6.05	1116	20.1	6.2	59.9	.80	7.14	.2
	9:56	4	6.06	1153	21.4	.7	45.0	.75	7.14	.2
	10:01	5	6.05	1175	22.3	-1.8	41.4	.72	7.15	.2
	10:06	6	6.04	1190	23	-2.8	37.7	.68	7.15	.2
	10:11	7	6.04	1199	23.2	-3.2	37.4	.66	7.15	.2

METHANE READING (GEM)        0 %       

COMMENTS       

SIGNATURE        





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       H. Flowers, M. Kraham      

DATE       8 / 4 / 22       TIME       9:55       WEATHER       Sunny      

WELL DEPTH <u>      28.74      </u> ft bgs	CASING HEIGHT <u>      3      </u> ft
WATER DEPTH <u>      5.98      </u> ft	WELL DIAMETER <u>      2      </u> in
SCREEN INTERVAL <u>      6-26      </u> ft bgs	PUMP DEPTH <u>      25      </u> ft
PUMP START TIME <u>      9:55      </u> min	PUMP END TIME <u>      25      </u> min
PUMP RATE <u>      .2      </u> LPM	SAMPLING TIME <u>      1020      </u>
SAMPLING METHOD <u>      Low-flow      </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	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L	from TOC	LPM
8/4/22	9:55	—	6.57	1131	17.3	-4.9	515.1	.96	6.31	.2
	10:00	1	6.55	1099	16.9	-16.3	170.3	.80	6.31	.2
	10:05	2	6.54	1093	17.1	-20.5	135.3	.75	6.31	.2
	10:10	3	6.52	1091	17.2	-21.2	110.7	.71	6.31	.2
	10:15	4	6.52	1091	17.3	-22.2	107.3	.68	6.31	.2
	10:20	5	6.52	1088	17.4	-23.2	105.3	.66	6.33	.2

METHANE READING (GEM)       0%      

COMMENTS \_\_\_\_\_

SIGNATURE       Matthew Chub



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION            Gude Landfill           

SAMPLING PERSONNEL            H. Flowers, M. Kraham           

DATE            8 / 4 / 22            TIME            10:35            WEATHER            sunny           

WELL DEPTH <u>          </u> 100.78 <u>          </u> ft bgs	CASING HEIGHT <u>          </u> 3 <u>          </u> ft
WATER DEPTH <u>          </u> 4.03 <u>          </u> ft	WELL DIAMETER <u>          </u> 2 <u>          </u> in
SCREEN INTERVAL <u>          </u> 77-97 <u>          </u> ft bgs	PUMP DEPTH <u>          </u> 80 <u>          </u> ft
PUMP START TIME <u>          </u> 10:35 <u>          </u> min	PUMP END TIME <u>          </u> 20 <u>          </u> min
PUMP RATE <u>          </u> .2 <u>          </u> LPM	
SAMPLING METHOD <u>          </u> Low-flow <u>          </u>	SAMPLING TIME <u>          </u> 1055 <u>          </u>

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L		LPM
8/4/22	1035	—	6.87	820	16.3	-54.8	25.4	.97	7.63	.2
	1040	1	6.85	874	17.8	-64.9	20.5	.80	7.64	.2
	1045	2	6.84	951	23.4	-75.2	17.9	.80	7.64	.2
	1050	3	6.85	973	23.7	-77.4	18	.83	7.83	.2
	1055	4	6.86	955	23.1	-76.5	18.2	.84	7.86	.2
	1100	5								.2

METHANE READING (GEM)            0%           

COMMENTS           

SIGNATURE            *Walter Ude*





## WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       M. Kraham, H. Flowers      

DATE       8/14/22       TIME       11:45       WEATHER       Sunny      

WELL DEPTH <u>      88.22      </u> ft bgs	CASING HEIGHT <u>      0      </u> ft
WATER DEPTH <u>      23.99      </u> ft	WELL DIAMETER <u>      2      </u> in
SCREEN INTERVAL <u>      68-88      </u> ft bgs	PUMP DEPTH <u>      70      </u> ft
PUMP START TIME <u>      11:45      </u> min	PUMP END TIME <u>      12:20      </u> min
PUMP RATE <u>      .2      </u> LPM	
SAMPLING METHOD <u>      Low-flow      </u>	SAMPLING TIME <u>      12:05      </u>

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L		LPM
8/14/22	1145	-	7.06	165.2	16.4	-33.1	38.7	2.71	24.50	.2
	1150	1	6.38	464.8	16.9	30.4	84.5	1.07	25.50	.2
	1155	2	6.30	499.6	18	60.9	69.6	1.99	25.75	.2
	1200	3	6.29	517	18.7	65.7	65.1	1.97	25.75	.2
	1205	4	6.28	516	18.8	62.9	65.4	1.96	25.26	.2
	1210	5								.2

METHANE READING (GEM)       0%      

COMMENTS \_\_\_\_\_

SIGNATURE       M. Kraham















EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB02A SAMPLE ID. OB02A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Keohamy B. Harvey

DATE 8 / 11 / 22 TIME 11:21 WEATHER Sunny

WELL DEPTH 74.50 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 16.39 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 37-77 ft bgs PUMP DEPTH 75 ft  
 PUMP START TIME 11:21 min PUMP END TIME 11:24 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 11:45

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 from TOC	Pump Rate LPM
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L		
8/11/22	11:21	--	5.63	1338	15.5	120.5	31.7	1.40	16.45	.2
	11:24	1	5.46	1332	15.7	132.9	15.1	1.85	16.47	.2
	11:27	2	5.46	1333	15.9	145.9	16	1.78	16.48	.2
	11:30	3	5.46	1330	16	154.9	14.9	1.76	16.49	.2
	11:33	4	5.52	1315	16.1	160.8	20	1.96	16.50	.2
	11:36	5	5.57	1298	16.1	162.4	18.2	1.16	16.52	.2
	11:39	6	5.59	1294	16.1	163.6	18.0	1.18	16.53	.2
	11:42	7	5.61	1292	16.1	164.1	17.9	1.14	16.53	.2
	11:45	8	5.62	1290	16.2	164.3	17.3	1.20	16.54	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE *Matthew Doherty*



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB02 SAMPLE ID. OB02

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Johnson, B. Harvey

DATE 8 / 11 / 22 TIME 11:00 WEATHER Mostly Cloudy

WELL DEPTH <u>114.5</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>16.96</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>71-121</u> ft bgs	PUMP DEPTH <u>120</u> ft
PUMP START TIME <u>11:00</u> min	PUMP END TIME <u>15</u> min
PUMP RATE <u>2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>11:15</u>

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°	°C	mV	NTU	mg/L		LPM
8/11/22	11:00	~	6.24	650	15.8	77.7	78.3	1.08	16.67	.2
	11:03	1	6.14	657	16.2	67.8	73.6	.88	16.69	.2
	11:06	2	6.18	669	17	64.3	50.3	.85	16.71	.2
	11:09	3	6.18	676	17.5	61.0	34.7	.80	16.72	.2
	11:12	4	6.19	659	17.4	60.3	32.3	.82	16.74	.2
	11:15	5	6.20	663	17.3	60.6	32.4	.81	16.73	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE M. Johnson



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB03A SAMPLE ID. OB03A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Williams, B. Harvey

DATE 8/10/22 TIME 12:50 WEATHER Partly cloudy

WELL DEPTH 96.35 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 24.82 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 50-97 ft bgs PUMP DEPTH 95 ft  
 PUMP START TIME 12:50 min PUMP END TIME 25 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 13:15

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L		LPM
8/10/22	12:50	-	6.36	1232	18.1	-2.9	538.1	1.10	25.01	.2
	12:53	1	6.23	1232	18.6	-5.3	3550.7	.75	25.03	.2
	12:56	2	6.16	1215	18.2	-2.6	426.7	.70	25.06	.2
	12:59	3	6.09	1210	18.2	1.5	363.3	.67	25.08	.2
	13:02	4	6.04	1205	18	5	103.5	.66	25.10	.2
	13:05	5	6.01	1203	18.1	6.5	63.8	.64	25.11	.2
	13:08	6	6.00	1202	18.2	6.8	53.1	.61	25.12	.2
	13:11	7	6.00	1202	18.2	6.9	52.8	.60	25.13	.2
	13:14	8	6.01	1204	18.2	7.2	52.6	.66	25.13	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Matthew Ward



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB03 SAMPLE ID. OB03

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Krahany, B. Harvey

DATE 8/10/22 TIME 12:00 WEATHER Partly cloudy

WELL DEPTH 156 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 24.40 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 104-154 ft bgs PUMP DEPTH 152 ft  
 PUMP START TIME 12:00 min PUMP END TIME 30 min  
 PUMP RATE 2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 12:30

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								--
8/10/22	12:00	-	5.81	1123	16.7	49.1	11.3	1.23	24.73	.2
	12:03	1	5.75	1135	17.1	37.9	4.2	.79	24.76	.2
	12:06	2	5.76	1140	17.3	32.2	2.7	.72	24.78	.2
	12:09	3	5.77	1141	17.3	28.2	1.7	.69	24.78	.2
	12:12	4	5.77	1142	17.4	23.9	1.3	.66	24.79	.2
	12:15	5	5.78	1142	17.4	23.2	1.5	.65	24.80	.2
	12:18	6	5.78	1153	17.6	22.7	1.1	.59	24.81	.2
	12:21	7	5.79	1163	17.6	22.3	1.0	.56	24.82	.2
	12:24	8	5.79	1164	17.6	22.1	1.1	.55	24.83	.2
	12:27	9	5.79	1167	17.7	22.0	1.2	.57	24.84	.2
	12:30	10	5.79	1169	17.8	22.0	1.1	.56	24.85	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Matthew White





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB04A SAMPLE ID. OB04A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/1/22 TIME 1255 WEATHER Sunny

WELL DEPTH <u>86.03</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>5.36</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>33-83</u> ft bgs	PUMP DEPTH <u>81.0</u> ft
PUMP START TIME <u>1255</u> min	PUMP END TIME <u>1340</u> min
PUMP RATE <u>.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1350</u>

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>°</sup>	°C	mV	NTU	mg/L		LPM
8/1/22	1255	—	5.49	2077	18.4	150.1	41.5	.82	5.36	.2
	1300	1	5.64	2124	18.9	-48	115.6	.34	5.36	.2
	1305	2	5.54	2124	19.2	6.9	33	.33	5.36	.2
	1310	3	5.49	2126	19.3	106.3	10	.30	5.36	.2
	1315	4	5.49	2118	19.2	133.4	5.9	.28	5.36	.2
	1320	5	5.47	2118	19.3	143.7	3.8	.27	5.36	.2
	1325	6	5.47	2107	19	150.4	3.2	.26	5.36	.2
	1330	7	5.47	2082	18.9	153	2.2	.25	5.36	.2
	1335	8	5.47	2094	18.8	154.8	2.2	.24	5.36	.2
	1340	9								.2

METHANE READING (GEM) 0

COMMENTS \_\_\_\_\_

SIGNATURE Hannel Flowers



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB04 SAMPLE ID. OB04

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/1/22 TIME 1145 WEATHER Sunny

WELL DEPTH 135.72 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 4.45 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 86-136 ft bgs PUMP DEPTH 130 ft  
 PUMP START TIME 1145 min PUMP END TIME 1235 min  
 PUMP RATE 2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1235

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/1/22	1145	--	6.60	2042	18.6	106.6	98.7	2.31	4.45	.2
	1150	1	5.86	2136	20.7	32.0	4.6	1.27	4.45	.2
	1155	2	5.81	2126	19.9	130.4	7.4	.56	4.45	.2
	<del>1200</del> 1300	3	5.81	2108	19.5	152.1	6.6	.50	4.45	.2
	<del>1205</del> 1305	4	5.80	2113	19.5	156.5	6.7	.43	4.45	.2
	<del>1210</del> 1310	5	5.80	2077	18.8	148.2	7.8	.41	4.47	.2
	<del>1215</del> 1315	6	5.78	2068	18.7	144.3	5.8	.35	4.47	.2
	<del>1220</del> 1320	7	5.78	2056	18.5	144.9	4.5	.32	4.46	.2
	<del>1225</del> 1325	8	5.78	2067	18.7	146.1	3.8	.31	4.46	.2
	1230	9	5.78	2074	18.8	147.2	3.1	.29	4.68	.2
	1235	10	5.78	2066	18.7	148.4	2.6	.27	4.68	.2
✓										

METHANE READING (GEM) 0

COMMENTS \_\_\_\_\_

SIGNATURE Hannah Flowers





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB06 SAMPLE ID. OB06

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/2/22 TIME 12:45 WEATHER sunny

WELL DEPTH 68.82 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 8.64 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 26-66 ft bgs PUMP DEPTH 50 ft  
 PUMP START TIME 12:45 min PUMP END TIME 20 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 13:05

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L		LPM
8/2/22	12:45	—	5.86	1535	15	178.6	53.3	1.73	8.64	.2
	12:50	1	5.85	1567	16.1	141.0	46.1	1.43	8.64	.2
	12:55	2	5.86	1588	16.7	116.3	56.3	1.38	8.64	.2
	13:00	3	5.87	1580	16.5	111.1	58.3	1.39	8.64	.2
	13:05	4	5.88	1581	16.6	113	59.7	1.41	8.68	.2
	13:10	5								.2
		6								
		7								

METHANE READING (GEM) 0 %

COMMENTS \_\_\_\_\_

SIGNATURE Hannah Flowers



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB07A SAMPLE ID. OB07A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/2/22 TIME 14:20 WEATHER cloudy

WELL DEPTH 99.59 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 6.05 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 26-76 ft bgs PUMP DEPTH 70 ft  
 PUMP START TIME 14:20 min PUMP END TIME 20 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 14:40

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L		LPM
8/2/22	14:20	--	5.98	651	14.3	173.8	13.7	1.70	6.05	.2
	14:25	1	5.91	656	14.8	174.7	8.2	.70	6.05	.2
	14:30	2	5.90	655	14.7	172.2	7.3	.62	6.33	.2
	14:35	3	5.90	658	15	171.4	7.1	.59	6.43	.2
	14:40	4	5.89	662	15.2	171	7.0	.58	6.44	.2
	14:45	5								.2

METHANE READING (GEM) 0.1 %  
 COMMENTS historical well depth not congruent

SIGNATURE \_\_\_\_\_





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB07 SAMPLE ID. OB07

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/2/22 TIME 1340 WEATHER light rain

WELL DEPTH 148.64 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 6.50 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 31-81 ft bgs PUMP DEPTH 80 ft  
 PUMP START TIME 1340 min PUMP END TIME 1405 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1405

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>o</sup>	°C	mV	NTU	mg/L		LPM
8/2/22	1340	—	6.42	1051	13.7	166.5	13.0	1.52	7.01	.2
	1345	1	6.32	1059	14.4	137.4	11.5	.40	7.01	.2
	1350	2	6.36	1060	14.4	<del>1000</del>	11.2	.32	7.01	.2
	1355	3	6.33	1060	14.4	117.3	10.3	.27	7.01	.2
	1400	4	6.33	1053	14.1	118.6	10.0	.23	7.01	.2
	1405	5	6.33	1054	14.2	118.1	11.4	.22	7.01	.2
	1410	6								.2

METHANE READING (GEM) 0 %  
 COMMENTS historical well depth not congruent

SIGNATURE Hannah Flowers



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB08A SAMPLE ID. OB08A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/3/22 TIME 1145 WEATHER sunny

WELL DEPTH 82.99 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 7.27 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 95-154 ft bgs PUMP DEPTH 75 ft  
 PUMP START TIME 1145 min PUMP END TIME 1230 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1230

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>°</sup>	°C	mV	NTU	mg/L		LPM
8/3/22	1145	—	6.83	524	16.0	209.9	28.4	4.56	7.32	.2
8/3/22	1150	1	6.68	532	16.7	198.6	15.9	5.75	7.32	.2
8/3/22	1155	2	6.35	541	16.7	130.1	14.9	3.87	7.32	.2
	1200	3	6.08	564	16.6	76.7	8.6	1.26	7.32	.2
	1205	4	5.97	605	16.8	65.	2.5	.62	7.32	.2
	1210	5	5.96	606	16.8	51.4	1.7	.39	7.33	.2
	1215	6	5.90	608	16.9	49.4	1.1	.39	7.33	.2
	1220	7	5.96	607	16.7	47	1	.30	7.33	.2
	1225	8	5.96	608	16.8	45.2	.8	.27	7.33	.2
	1230	9	5.96	606	16.8	43.5	1	.28	7.33	.2

METHANE READING (GEM) 0%

COMMENTS Screen interval too deep for well depth

SIGNATURE Hannah Flowers





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB08 SAMPLE ID. OB08

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/3/22 TIME 10:50 WEATHER Sunny

WELL DEPTH <u>138.21</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>6.76</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>10:50</u> min	PUMP END TIME <u>30</u> min
PUMP RATE <u>.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>11:20</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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L		LPM
<u>8/3/22</u>	<u>10:50</u>	<u>--</u>	<u>6.55</u>	<u>490.1</u>	<u>16.3</u>	<u>232.1</u>	<u>4.6</u>	<u>3.48</u>	<u>6.96</u>	<u>.2</u>
	<u>10:55</u>	<u>1</u>	<u>6.31</u>	<u>499.4</u>	<u>16.8</u>	<u>121.8</u>	<u>5.7</u>	<u>.75</u>	<u>6.96</u>	<u>.2</u>
	<u>11:00</u>	<u>2</u>	<u>6.30</u>	<u>498.6</u>	<u>16.8</u>	<u>99.1</u>	<u>4.3</u>	<u>.50</u>	<u>6.96</u>	<u>.2</u>
	<u>11:05</u>	<u>3</u>	<u>6.30</u>	<u>499</u>	<u>16.8</u>	<u>85.4</u>	<u>3.6</u>	<u>.40</u>	<u>6.99</u>	<u>.2</u>
	<u>11:10</u>	<u>4</u>	<u>6.30</u>	<u>497.6</u>	<u>16.6</u>	<u>81.7</u>	<u>3.2</u>	<u>.36</u>	<u>6.99</u>	<u>.2</u>
	<u>11:15</u>	<u>5</u>	<u>6.30</u>	<u>496.5</u>	<u>16.5</u>	<u>82.7</u>	<u>2.6</u>	<u>.33</u>	<u>6.99</u>	<u>.2</u>
	<u>11:20</u>	<u>6</u>	<u>6.30</u>	<u>497.3</u>	<u>16.6</u>	<u>83.7</u>	<u>2.4</u>	<u>.33</u>	<u>6.99</u>	<u>.2</u>

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Mathew Debra





EA Engineering, Science,  
and Technology, Inc.

### WELL PURGING AND SAMPLING RECORD

WELL ID OB10 SAMPLE ID. OB10

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/4/22 TIME 840 WEATHER Sunny

WELL DEPTH <u>70.07</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>7.17</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>27-67</u> ft bg	PUMP DEPTH <u>35</u> ft
PUMP START TIME <u>840</u> min	PUMP END TIME <u>910</u> min
PUMP RATE <u>.2</u> LPM	PURGE DURATION (HIST.) <u>35</u> min
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>910</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>°</sup>	°C	mV	NTU	mg/L		LPM
8/4/22	840	—	6.19	913	15.9	212.9	31.1	2.40	7.33	.2
	845	1	6.17	925	15.8	190.5	5.9	1.18	7.38	.2
	850	2	6.14	931	15.7	116.4	4.5	1.06	7.39	.2
	855	3	5.89	1048	15.9	45.6	1.9	0.73	7.39	.2
	900	4	5.88	1058	15.8	29.1	1.8	0.69	7.39	.2
	905	5	5.88	1057	15.5	20.9	1.7	0.66	7.39	.2
	910	6	5.88	1061	15.5	19.3	1.7	0.65	7.40	.2

METHANE READING (GEM) 0%

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

SIGNATURE Hannah Flores

**WELL PURGING AND SAMPLING RECORD**

WELL ID OB11A SAMPLE ID. OB11A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/8/22 TIME 8:42 WEATHER mostly sunny

WELL DEPTH 66.71 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 9.07 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 24-64 ft bgs PUMP DEPTH 40 ft  
 PUMP START TIME 8:42 min PUMP END TIME ~~8:55~~ 15 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 8:57

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/8/22	8:42	--	5.85	1905	17.9	117.6	18.7	.89	9.78	.2
	8:47	1	5.84	1923	18.3	103.9	6.4	.75	9.80	.2
	8:52	2	5.84	1930	18.5	101.2	5.3	.72	9.83	.2
	8:57	3	5.85	1930	18.5	99.1	4.7	.68	9.83	.2
	<del>9:02</del>	<del>4</del>								<del>.2</del>
		<del>5</del>								<del>.2</del>

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Matt Kraham





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB11 SAMPLE ID. OB11, OB50

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/8/22 TIME 7:55 WEATHER mostly sunny

WELL DEPTH <u>103.82</u> ft	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>9.60</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>40-90</u> ft bgs	PUMP DEPTH <u>55</u> ft
PUMP START TIME <u>7:55</u> min	PUMP END TIME <u>8:15</u> min
PUMP RATE <u>.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>8:15</u>

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L		LPM
8/8/22	755	—	5.91	1727	16.9	135.4	18.5	1.48	10.84	.2
	800	1	5.67	1804	17.3	173.6	12.8	.82	10.85	.2
	805	2	5.66	1811	17.4	176.5	11.2	.73	10.86	.2
	810	3	5.67	1815	17.4	173.7	10.6	.69	10.87	.2
	815	4	5.68	1818	17.5	171.3	10.4	.68	10.87	.2
	820	5								.2

DUPLICATE SAMPLE ID: **OB50**  
 METHANE READING (GEM) 0%  
 COMMENTS Duplicate

SIGNATURE *M. Kraham*



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB12 SAMPLE ID. OB12

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/8/22 TIME 1155 WEATHER sunny

WELL DEPTH <u>29.39</u>	ft bgs	CASING HEIGHT <u>3</u>	ft
WATER DEPTH <u>18.21</u>	ft	WELL DIAMETER <u>2</u>	in
SCREEN INTERVAL <u>16-26</u>	ft bgs	PUMP DEPTH <u>25</u>	ft
PUMP START TIME <u>1155</u>	min	PUMP END TIME <u>1220</u>	min
PUMP RATE <u>.2</u>	LPM		
SAMPLING METHOD <u>Low-flow</u>		SAMPLING TIME <u>1220</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>c</sup>	°C	mV	NTU	mg/L		LPM
8/8/22	1155	—	6.42	621	18.0	-64.2	25.5	1.34	18.45	.2
	1200	1	6.29	604	17.3	-67.8	13.9	.81	18.45	.2
	1205	2	6.08	610	17.9	-56.2	6.5	.70	18.51	.2
	1210	3	5.74	604	18.0	-20.8	3.9	.65	18.51	.2
	1215	4	5.69	603	18.0	-15.5	3.9	.64	18.51	.2
	1220	5	5.66	601	18.0	-12.2	3.6	.62	18.51	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Hannah Flowers





EA Engineering, Science,  
and Technology, Inc.

### WELL PURGING AND SAMPLING RECORD

WELL ID OB015 SAMPLE ID. OB015

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL M. Kraham, H. Flowers

DATE 8/8/22 TIME 12:45 WEATHER Sunny

WELL DEPTH <u>25.89</u>	ft bgs	CASING HEIGHT <u>3</u>	ft
WATER DEPTH <u>22.32</u>	ft	WELL DIAMETER <u>2</u>	in
SCREEN INTERVAL <u>18-28</u>	ft bgs	PUMP DEPTH <u>25</u>	ft
PUMP START TIME <u>12:45</u>	min	PUMP END TIME <u>1300</u>	min
PUMP RATE <u>.2</u>	LPM		
SAMPLING METHOD <u>Low-flow</u>		SAMPLING TIME <u>1300</u>	

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>e</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/8/22	12:45	✓✓	5.86	358.4	18.9	48.8	76.4	1.33	22.36	.2
	12:50	1	5.77	361.1	19.6	60.9	35.3	.92	22.36	.2
	12:55	2	5.76	374.5	21.3	65.1	24.5	1.01	22.38	.2
	13:00	3	5.76	382.7	22.2	65	28.1	1.98	22.38	.2
	<del>13:05</del>	<del>4</del>								<del>.2</del>
	<del>13:10</del>	<del>5</del>								<del>.2</del>

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Hannah Flowers



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB025 SAMPLE ID. OB025

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL \_\_\_\_\_

DATE 8/14/22 TIME 1400 WEATHER Sunny

WELL DEPTH 17.99 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 10.03 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 5-15 ft bgs PUMP DEPTH 10 ft  
 PUMP START TIME 1400 min PUMP END TIME 25 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1425

*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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L		LPM
8/14/22	1400	--	6.05	1055	17.6	214.4	68.8	1.43	10.42	.2
	1405	1	6.05	1068	19.3	161.4	60.7	.80	10.42	.2
	1410	2	6.04	1141	21	150.4	41.1	.74	10.42	.2
	1415	3	6.04	1192	22.9	147.4	26.6	.69	10.42	.2
	1420	4	6.05	1195	22.9	147.3	26.8	.69	10.26	.2
	1425	5	6.07	1140	22.5	149.3	26.9	.68	11.31	.2

METHANE READING (GEM) 0%

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 H. Flowers, M. Kraham

DATE 8/2/22 TIME 1135 WEATHER sunny

WELL DEPTH <u>24.80</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>11.61</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>15-25</u> ft bgs	PUMP DEPTH <u>20</u> ft
PUMP START TIME <u>1135</u> min	PUMP END TIME <u>1210</u> min
PUMP RATE <u>.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1210</u>

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>c</sup>	°C	mV	NTU	mg/L		LPM
8/2/22	1135	—	6.44	2903	16.7	66.1	11.3	.47	12.00	.2
	1140	1	6.45	2927	17	50.2	7.6	.29	12.05	.2
	1145	2	6.45	2944	17.1	44.1	7.5	.23	12.05	.2
	1150	3	6.47	2948	17.1	37.8	7.5	.19	12.05	.2
	1155	4	6.46	2958	17.2	31.9	12.3	.18	12.05	.2
	1200	5	6.46	2964	17.2	23.3	16.8	.16	12.05	.2
	1205	6	6.46	2971	17.3	17.3	17.5	.15	12.05	.2
	1210	7	6.46	2977	17.3	15.4	18.3	.15	12.05	.2

METHANE READING (GEM) 0%

COMMENTS \_\_\_\_\_

SIGNATURE Hannah Flowers



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 Flowering M Kachan

DATE 8/11/22 TIME 1355 WEATHER Mostly Sunny

WELL DEPTH 16.78 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 3.18 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 5-13 ft bgs PUMP DEPTH 11.0 ft  
 PUMP START TIME 1355 min PUMP END TIME 1435 min  
 PUMP RATE .2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1435

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/11/22	1355	--	6.63	2614	20.4	-10.9	32.5	1.41	3.18	.3
	1400	1	6.33	2682	20.2	-28.8	29.7	.33	3.52	.2
	1405	2	6.33	2714	20.6	-33.6	28.4	.21	3.85	.2
	1410	3	6.32	2706	20.5	-32.7	34.3	.19	3.91	.2
	1415	4	6.33	2671	20.0	-35.9	43.2	.18	3.91	.2
	1420	5	6.31	2660	20.2	-34.6	47.4	.17	3.91	.2
	1425	6	6.28	2680	21.1	-28.4	50.6	.14	3.91	.2
	1430	7	6.26	2666	21.2	-23.2	51.3	.13	3.91	.2
	1435	8	6.25	2621	20.8	-20.6	47.3	.13	3.91	.2

METHANE READING (GEM) 0.1%

COMMENTS \_\_\_\_\_

SIGNATURE Flannah Flowering



EA Engineering, Science,  
and Technology, Inc.

### SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST015 SAMPLE ID. ST015  
 SITE DESCRIPTION Wooded area, Gravel bed, Straight channel  
 SAMPLING PERSONNEL M. Kiebaum, B. Harvey

DATE 8/10/22 TIME 10:00 WEATHER Sunny

SAMPLING METHOD Grab  
 PURGE START TIME -  
 PURGE END TIME -  
 DEPTH OF SAMPLE COLLECTION (APPROX.) 1ft  
 SAMPLE COLLECTION TIME 10:00

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	$\mu\text{S}/\text{cm}^\circ$	$^\circ\text{C}$	mV	NTU	mg/L
8/10/22	10:00	--	7.05	533	22.7	166.1	3.9	7.90

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

SIGNATURE Matt Kiebaum





EA Engineering, Science,  
and Technology, Inc.

### SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST065 SAMPLE ID. ST065  
 SITE DESCRIPTION Rocky creek bed  
 SAMPLING PERSONNEL H. Flowers + M. Kraham

DATE 8 / 2 / 22 TIME 1510 WEATHER Sunny

SAMPLING METHOD grab  
 PURGE START TIME —  
 PURGE END TIME —  
 DEPTH OF SAMPLE COLLECTION (APPROX.) 1 ft  
 SAMPLE COLLECTION TIME 1510

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm <sup>e</sup>	°C	mV	NTU	mg/L
8/2/22	1510		7.27	640	24.0	157.3	30.7	7.97

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

SIGNATURE Hannah Flowers



EA Engineering, Science,  
and Technology, Inc.

### SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST 70 SAMPLE ID. ST 70

SITE DESCRIPTION gravel bottom, straight reach

SAMPLING PERSONNEL H. Flowers, M. Graham

DATE 8 / 4 / 22 TIME 900 WEATHER sunny

SAMPLING METHOD grab

PURGE START TIME —

PURGE END TIME —

DEPTH OF SAMPLE COLLECTION (APPROX.) 1 ft

SAMPLE COLLECTION TIME 900

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L
8/4/22	900		7.38	714	22.2	36.9	0.9	7.33

COMMENTS \_\_\_\_\_

\_\_\_\_\_

SIGNATURE Hannah Flowers





EA Engineering, Science,  
and Technology, Inc.

### SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST80 SAMPLE ID. ST80

SITE DESCRIPTION cutbank off street

SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/3/22 TIME 750 WEATHER sunny

SAMPLING METHOD grab

PURGE START TIME —

PURGE END TIME —

DEPTH OF SAMPLE COLLECTION (APPROX.) —

SAMPLE COLLECTION TIME 750

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L
8/3/22	750		7.77	591	21.4	76.6	50.4	8.16

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

SIGNATURE Hannah Flowers



EA Engineering, Science,  
and Technology, Inc.

### SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST120 SAMPLE ID. ST120  
 SITE DESCRIPTION Near walking bridge at base of hill  
 SAMPLING PERSONNEL H. Flowers, M. Kraham

DATE 8/1/22 TIME 1100 WEATHER Sunny

SAMPLING METHOD Grab  
 PURGE START TIME ---  
 PURGE END TIME ---  
 DEPTH OF SAMPLE COLLECTION (APPROX.) 1 ft  
 SAMPLE COLLECTION TIME 1100

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L
8/1/22	1100		7.23	623	23.0	173.1	60.5	7.74

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

SIGNATURE Hannah Flowers

**Appendix B**

**Chain-of-Custody Documents**

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Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>																
Project Name: GUDE Landfill		Project ID: 155604		<table border="1"> <tr> <td rowspan="2">No. of Containers</td> <td rowspan="2">8260LL VOC and 8011*</td> <td rowspan="2">6020 MDE Landfill List</td> <td rowspan="2">Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity</td> <td rowspan="2">Turbidity, pH</td> <td rowspan="2">Suspended Solids</td> <td rowspan="2">COD</td> <td rowspan="2">Ammonia-Nitrogen</td> <td colspan="3">Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com</td> </tr> <tr> <td colspan="3">Matrix Codes: NW (non-potable water) PW (potable water)</td> </tr> </table>										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	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)			Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
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	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): H. Flowers, M. Kraham		P.O. Number: 24080												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	8/1/22	855	X			10	X	X	X	X	X	X	X	X																
MW-13B	8/1/22	1014	X			10																								
OB30	8/1/22		X			10																								
OB04	8/1/22	1235	X			10																								
OB04A	8/1/22	1350	X			10																								
OB105	8/1/22	1435	X			10																								
ST120	8/1/22	1100	X			10	↓	↓	↓	↓	↓	↓	↓	↓																

\* 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>Hannah Flowers</i>		Date/Time 8/1/22	Received by: (Signature)		Relinquished by: (Signature)		Date/Time	Received by: (Signature)	
(Printed) Hannah Flowers		4:47 pm	(Printed)		(Printed)			(Printed)	
Relinquished by: (Signature)		Date/Time 8-1-22	Received by Lab: (Signature)		Turn Around Time:		Lab Use:		
(Printed)		16:48	<i>Lori Foster</i>		<input 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: _____ °C <input checked="" 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 checked="" 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							

Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>		
Project Name: GUDE Landfill		Project ID: 155604		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										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): H. Flowers, M. Kraham		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-1B	8/2/22	820	X				X	X	X	X	X	X	X	X		
MW-2A	8/2/22	955	X													
MW-2B	8/2/22	1102	X													
OB102	8/2/22	1210	X													
OB06	8/2/22	1305	X													
OB07	8/2/22	1405	X													
OB07A	8/2/22	1440	X													
ST065	8/2/22	1510	X													

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

Relinquished by: <i>(Signature)</i> <i>Hannah Flowers</i>	Date/Time 8/2/22	Received by: <i>(Signature)</i>	Relinquished by: <i>(Signature)</i>	Date/Time	Received by: <i>(Signature)</i>
<i>(Printed)</i> Hannah Flowers	4:41pm	<i>(Printed)</i>	<i>(Printed)</i>		<i>(Printed)</i>
Relinquished by: <i>(Signature)</i>	Date/Time 8-2-22	Received by Lab: <i>(Signature)</i>	Turn Around Time:	Lab Use:	
<i>(Printed)</i>	16:41	<i>(Printed)</i> Lori Foster	<input 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: ____°C 4.8 <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____	Special Instructions/QC Requirements & Comments:		Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ____ days		

Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>			
Project Name: GUDE Landfill		Project ID: 155604															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): H. Flowers, M. Kraham		P.O. Number: 24080		Matrix Codes: NW (non-potable water) PW (potable water)													
Field Sample ID		Date	Time											Water	Soil	Other	No. of Containers
ST80	8/3/22	750	X				10	X	X	X	X	X	X	X	X		
MW-3A		855	X				10										
MW-3B		1000	X				10										
OB08		1120	X				10										
OB08A		1230	X				10										
MW-24A		1435	X				10										
MW-24B		1335	X				10										
OB40	↓	—	X				10	↓	↓	↓	↓	↓	↓	↓	↓		

\* 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>Hannah Flowers</i>		Date/Time 8/3/22	Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature)	Date/Time	Received by: (Signature)		
(Printed)			(Printed)		(Printed)		(Printed)		
Relinquished by: (Signature)		Date/Time 8-3-22	Received by Lab: (Signature) <i>[Signature]</i>		Turn Around Time:		Lab Use:		
(Printed)		16:28	(Printed) <i>Lori Foster</i>		<input 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: ____°C 4.2 <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate		
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments:							
		Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ____ days							

Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>																
Project Name: GUDE Landfill		Project ID: 155604		<table border="1"> <tr> <td rowspan="2">No. of Containers</td> <td rowspan="2">8260LL VOC and 8011*</td> <td rowspan="2">6020 MDE Landfill List</td> <td rowspan="2">Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity</td> <td rowspan="2">Turbidity, pH</td> <td rowspan="2">Suspended Solids</td> <td rowspan="2">COD</td> <td rowspan="2">Ammonia-Nitrogen</td> <td colspan="3">Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com</td> </tr> <tr> <td colspan="3">Matrix Codes: NW (non-potable water) PW (potable water)</td> </tr> </table>										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	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)			Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
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	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): H. Flowers, M. Kraham		P.O. Number: 24080												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	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen																
MW-4		8/4/22	8:15	X			10	X	X	X	X	X	X	X	X															
OB10		8/4/22	9:10	X																										
MW-22A		8/4/22	10:20	X																										
MW-22B		8/4/22	10:55	X																										
MW-23A		8/4/22	12:05	X																										
MW-23B		8/4/22	13:25	X																										
OB025		8/4/22	14:25	X																										
ST70		8/4/22	9:00	X																										

\* 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>Hannah Flowers</i>		Date/Time 8/4/22	Received by: (Signature)		Relinquished by: (Signature)		Date/Time	Received by: (Signature)	
(Printed) Hannah Flowers		16:00	(Printed)		(Printed)			(Printed)	
Relinquished by: (Signature)		Date/Time 16:00	Received by Lab: (Signature) <i>[Signature]</i>		Turn Around Time:		Lab Use:		
(Printed)		8-4-22	(Printed) Lor Foster		<input 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: _____ °C 10.0 <input checked="" type="checkbox"/> Received on ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate		
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments:			Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days				

Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		Project ID: 155604		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	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): H. Flowers, M. Kraham		P.O. Number: 24080										Matrix Codes: NW (non-potable water) PW (potable water)				
Field Sample ID	Date	Time	Water	Soil	Other							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, OC Request, Trip Blank, Field Blank	MSS Lab ID		
OB11	8/8/22	815	X			10	X	X	X	X	X	X	X			
OB50																
OB11A		857														
MW-21B		1011														
MW-21A		1100														
OB12		1220														
OB015		1300														
MW-6	↓	1420														
OB01	↓	1500														
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																
Relinquished by: (Signature) Hannah Flowers		Date/Time 8/8/22	Received by: (Signature)			Relinquished by: (Signature)			Date/Time	Received by: (Signature)						
(Printed) Hannah Flowers			(Printed)			(Printed)				(Printed)						
Relinquished by: (Signature)		Date/Time 8-8-22	Received by Lab: (Signature)			Turn Around Time:			Lab Use:							
(Printed)		16:34	Lori Foster			<input 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: _____ °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days							
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments:														



Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>		
Project Name: GUDE Landfill		Project ID: 155604		No. of Containers 8260LL VOC and 8011* 6020 MIDE 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): H. Flowers, M. Kraham B. Harvey		P.O. Number: 24080												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 MIDE 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-9	8/9/22	907	X			10	X	X	X	X	X	X	X			
MW-11B		1005	X			1	X	X	X	X	X	X	X			
MW-11A		1020	X			1	X	X	X	X	X	X	X			
MW-10		1045	X			1	X	X	X	X	X	X	X			
MW-14B		1151	X			1	X	X	X	X	X	X	X			
MW-14A		1230	X			1	X	X	X	X	X	X	X			
MW-15		1301	X			1	X	X	X	X	X	X	X			
MW-12		1400	X			1	X	X	X	X	X	X	X			
IB		-	X			2	X									

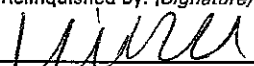
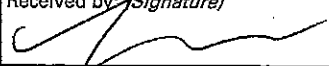
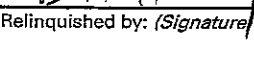
\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature) 	Date/Time 8/9/22	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Bill Harvey		(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time 8-9-22	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:	
(Printed)	15:08	(Printed) Lori Foster	<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: ____°C 7.4 <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 checked="" 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	

Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>																									
Project Name: GUDE Landfill		Project ID: 155604		<table border="1"> <tr> <td rowspan="2">No. of Containers</td> <td rowspan="2">8260LL VOC and 8011*</td> <td rowspan="2">6020 MDE Landfill List</td> <td rowspan="2">Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity</td> <td rowspan="2">Turbidity, pH</td> <td rowspan="2">Suspended Solids</td> <td rowspan="2">COD</td> <td rowspan="2">Ammonia-Nitrogen</td> <td colspan="3">Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com</td> </tr> <tr> <td colspan="3">Matrix Codes: NW (non-potable water) PW (potable water)</td> </tr> <tr> <td>Field Sample ID</td> <td>Date</td> <td>Time</td> <td>Water</td> <td>Soil</td> <td>Other</td> <td>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></td> <td>Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank</td> <td>MSS Lab ID</td> </tr> </table>										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	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)			Field Sample ID	Date	Time	Water	Soil	Other	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	Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
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	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)																																			
Field Sample ID	Date	Time	Water	Soil	Other	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																															
Sampler(s): H. Flowers, M. Kraham B. Harvey		P.O. Number: 24050																																					
MW-19B		8/10/22	0900	X			10	X	X	X	X	X																											
MW-19A			0930					X	X	X	X	X																											
STD15			1000					X	X	X	X	X																											
MW-16B			1100					X	X	X	X	X																											
MW-16A			1145					X	X	X	X	X																											
DB03			1230					X	X	X	X	X																											
DB03A			1315					X	X	X	X	X																											
TB																																							

\* 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 8/10/22	Received by: (Signature)		Relinquished by: (Signature)		Date/Time	Received by: (Signature)	
(Printed) Bill Harvey			(Printed)		(Printed)			(Printed)	
Relinquished by: (Signature) 		Date/Time 8-10-22	Received by: (Signature) 		Turn Around Time:		Lab Use:		
(Printed) Bill Harvey		13:58	(Printed) Lori Foster		<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: _____ °C 5.9 <input type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate		
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments:				Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days			

Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDÉ Landfill		Project ID: 155604		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	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): H. Flowers, M. Kraham B. Harvey		P.O. Number: 24080										Matrix Codes: NW (non-potable water) PW (potable water)				
Field Sample ID	Date	Time	Water	Soil	Other							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-8	8/11/22	0945	X			10	X	X	X	X	X	X				
PW-7		1030	X			1	X	X	X	X	X	X				
0802		1115	X			1	X	X	X	X	X	X				
0802A		1145	X			1	X	X	X	X	X	X				
TB		-	X			1	X									
* 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 8/11/22		Received by: (Signature) 			Relinquished by: (Signature)			Date/Time		Received by: (Signature)				
(Printed) Bill Harvey				(Printed) Travis Ashley			(Printed)					(Printed)				
Relinquished by: (Signature) 		Date/Time		Received by Lab: (Signature)			Turn Around Time:			Lab Use:						
(Printed)				(Printed)			<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: 4.2c <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate						
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____		Special Instructions/QC Requirements & Comments:						Sample Disposal:			<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ____ days					

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

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11 August 2022

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 08/01/22 16:48.

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,



Will Brewington  
President

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

**Reported:**  
08/11/22 17:44

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13A		2080110-01	Nonpotable Water	08/01/22 08:55	08/01/22 16:48
MW-13B		2080110-02	Nonpotable Water	08/01/22 10:14	08/01/22 16:48
0B30		2080110-03	Nonpotable Water	08/01/22 00:00	08/01/22 16:48
0B04		2080110-04	Nonpotable Water	08/01/22 12:35	08/01/22 16:48
0B04A		2080110-05	Nonpotable Water	08/01/22 13:50	08/01/22 16:48
0B105		2080110-06	Nonpotable Water	08/01/22 14:35	08/01/22 16:48
ST120		2080110-07	Nonpotable Water	08/01/22 11:00	08/01/22 16:48
TRIP BLANK		2080110-08	Nonpotable Water	08/01/22 00:00	08/01/22 16:48



*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.*

Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13A**

**2080110-01 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.20</b>	O-07	pH Units			1	08/01/22	08/01/22 19:03	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>28.3</b>		NTU	0.500	0.110	1	08/02/22	08/02/22 13:25	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:49	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:49	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Benzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:49	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>Chloroform</b>	<b>3.4</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>1,4-Dichlorobenzene</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>1,1-Dichloroethane</b>	<b>7.5</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>1,2-Dichloroethane</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>cis-1,2-Dichloroethene</b>	<b>42.9</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>trans-1,2-Dichloroethene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>1,2-Dichloropropane</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL

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.



Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13A**

**2080110-01 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 17:49	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:49	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:49	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 17:49	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:49	LL
<b>Methylene chloride</b>	<b>1.6</b>	L	ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:49	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>Tetrachloroethene</b>	<b>6.0</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>Trichloroethene</b>	<b>8.2</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
<b>Vinyl chloride</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:49	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %	08/03/22		08/03/22 17:49		
Surrogate: Toluene-d8			75-120	98 %	08/03/22		08/03/22 17:49		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	08/03/22		08/03/22 17:49		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13A**

**2080110-01 (Nonpotable Water)  
Sample Date: 08/01/22**

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	08/10/22	08/10/22 20:31	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 20:31	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>168000</b>		ug/L	500	500	1	08/02/22	08/03/22 11:01	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Barium</b>	<b>229</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Calcium</b>	<b>29500</b>		ug/L	80.0	80.0	1	08/02/22	08/03/22 11:01	AWH
<b>Chromium</b>	<b>4.17</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Cobalt</b>	<b>17.1</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Copper</b>	<b>10.7</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Iron</b>	<b>3310</b>		ug/L	100	5.00	1	08/02/22	08/03/22 11:01	AWH
<b>Lead</b>	<b>1.50</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Magnesium</b>	<b>23000</b>		ug/L	100	100	1	08/02/22	08/03/22 11:01	AWH
<b>Manganese</b>	<b>583</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Mercury</b>	<b>0.158</b>		ug/L	0.100	0.100	1	08/02/22	08/03/22 11:01	AWH
<b>Nickel</b>	<b>13.4</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Potassium</b>	<b>3140</b>		ug/L	100	100	1	08/02/22	08/03/22 11:01	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
Silver	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Sodium</b>	<b>15500</b>		ug/L	100	100	1	08/02/22	08/03/22 11:01	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Vanadium</b>	<b>8.63</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:01	AWH
<b>Zinc</b>	<b>27.9</b>		ug/L	4.00	4.00	1	08/02/22	08/03/22 11:01	AWH

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13A**

**2080110-01 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.07		mg/L	0.02	0.02	1	08/02/22	08/02/22 14:53	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	21.8		mg/L	3.0	3.0	1	08/02/22	08/02/22 15:01	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	473.8		uS/cm			1	08/02/22	08/02/22 12:52	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	107		mg/L	0.500	0.500	1	08/02/22	08/02/22 16:41	CRP
Nitrate	22.9		mg/L	0.050	0.050	1	08/02/22	08/02/22 16:41	CRP
Nitrate (as N)	5.17		mg/L	0.011	0.011	1	08/02/22	08/02/22 16:41	CRP
Sulfate	1.1		mg/L	0.3	0.3	1	08/02/22	08/02/22 16:41	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	90.0		mg/L	4.2	4.2	1	08/02/22	08/03/22 17:37	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	293		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	27.3		mg/L	5.0	5.0	1	08/06/22	08/06/22 22:47	RP

*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.*



Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13B**

**2080110-02 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.16</b>	O-07	pH Units			1	08/01/22	08/01/22 19:03	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	ND		NTU	0.500	0.110	1	08/02/22	08/02/22 13:27	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:14	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:14	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>Benzene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:14	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>Chlorobenzene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>1,4-Dichlorobenzene</b>	<b>5.3</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>1,1-Dichloroethane</b>	<b>6.0</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>1,2-Dichloroethane</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>cis-1,2-Dichloroethene</b>	<b>40.0</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>trans-1,2-Dichloroethene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>1,2-Dichloropropane</b>	<b>3.6</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL

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.



Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13B**

**2080110-02 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 18:14	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:14	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:14	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 18:14	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:14	LL
<b>Methylene chloride</b>	<b>1.9</b>	L	ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:14	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>Tetrachloroethene</b>	<b>7.7</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>Trichloroethene</b>	<b>7.7</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
<b>Vinyl chloride</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:14	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %			08/03/22	08/03/22 18:14	
Surrogate: Toluene-d8			75-120	98 %			08/03/22	08/03/22 18:14	
Surrogate: 4-Bromofluorobenzene			75-120	99 %			08/03/22	08/03/22 18:14	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13B**

**2080110-02 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/10/22	08/10/22 20:46	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 20:46	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>361000</b>		ug/L	500	500	1	08/02/22	08/03/22 11:04	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Barium</b>	<b>74.4</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Calcium</b>	<b>91000</b>		ug/L	80.0	80.0	1	08/02/22	08/03/22 11:04	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Copper</b>	<b>2.37</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Iron</b>	<b>11.2</b>	J	ug/L	100	5.00	1	08/02/22	08/03/22 11:04	AWH
Lead	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Magnesium</b>	<b>32500</b>		ug/L	100	100	1	08/02/22	08/03/22 11:04	AWH
<b>Manganese</b>	<b>37.9</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Mercury</b>	<b>0.257</b>		ug/L	0.100	0.100	1	08/02/22	08/03/22 11:04	AWH
<b>Nickel</b>	<b>2.46</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Potassium</b>	<b>3620</b>		ug/L	100	100	1	08/02/22	08/03/22 11:04	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
Silver	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Sodium</b>	<b>20900</b>		ug/L	100	100	1	08/02/22	08/03/22 11:04	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Vanadium</b>	<b>1.12</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:04	AWH
<b>Zinc</b>	<b>4.32</b>		ug/L	4.00	4.00	1	08/02/22	08/03/22 11:04	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**MW-13B**

**2080110-02 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	ND		mg/L	0.02	0.02	1	08/02/22	08/02/22 14:54	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	16.3		mg/L	3.0	3.0	1	08/02/22	08/02/22 15:01	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	837.5		uS/cm			1	08/02/22	08/02/22 12:52	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	108		mg/L	0.500	0.500	1	08/02/22	08/02/22 16:59	CRP
Nitrate	21.9		mg/L	0.050	0.050	1	08/02/22	08/02/22 16:59	CRP
Nitrate (as N)	4.96		mg/L	0.011	0.011	1	08/02/22	08/02/22 16:59	CRP
Sulfate	21.4		mg/L	0.3	0.3	1	08/02/22	08/02/22 16:59	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	ND		mg/L	2.3	2.3	1	08/02/22	08/03/22 17:37	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	493		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	230	H3	mg/L	5.0	5.0	1	08/05/22	08/05/22 17:32	MCD

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B30**

**2080110-03 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.18</b>	O-07	pH Units			1	08/01/22	08/01/22 19:03	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	ND		NTU	0.500	0.110	1	08/02/22	08/02/22 13:28	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:38	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:38	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>Benzene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:38	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>Chlorobenzene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>1,4-Dichlorobenzene</b>	<b>5.5</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>1,1-Dichloroethane</b>	<b>6.2</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>1,2-Dichloroethane</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>cis-1,2-Dichloroethene</b>	<b>40.8</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>trans-1,2-Dichloroethene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>1,2-Dichloropropane</b>	<b>3.9</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B30**

**2080110-03 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 18:38	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:38	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:38	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 18:38	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:38	LL
<b>Methylene chloride</b>	<b>2.0</b>	L	ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 18:38	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>Tetrachloroethene</b>	<b>7.8</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>Trichloroethene</b>	<b>8.0</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
<b>Vinyl chloride</b>	<b>3.3</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 18:38	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			08/03/22	08/03/22 18:38	
Surrogate: Toluene-d8			75-120	98 %			08/03/22	08/03/22 18:38	
Surrogate: 4-Bromofluorobenzene			75-120	98 %			08/03/22	08/03/22 18:38	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B30**

**2080110-03 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/10/22	08/10/22 21:01	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 21:01	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>353000</b>		ug/L	500	500	1	08/02/22	08/03/22 11:11	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Barium</b>	<b>74.8</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Calcium</b>	<b>88200</b>		ug/L	80.0	80.0	1	08/02/22	08/03/22 11:11	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Copper</b>	<b>2.50</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Iron</b>	<b>9.52</b>	J	ug/L	100	5.00	1	08/02/22	08/03/22 11:11	AWH
Lead	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Magnesium</b>	<b>32400</b>		ug/L	100	100	1	08/02/22	08/03/22 11:11	AWH
<b>Manganese</b>	<b>37.0</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Mercury</b>	<b>0.245</b>		ug/L	0.100	0.100	1	08/02/22	08/03/22 11:11	AWH
<b>Nickel</b>	<b>2.58</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Potassium</b>	<b>3550</b>		ug/L	100	100	1	08/02/22	08/03/22 11:11	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
Silver	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Sodium</b>	<b>20900</b>		ug/L	100	100	1	08/02/22	08/03/22 11:11	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Vanadium</b>	<b>1.05</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:11	AWH
<b>Zinc</b>	<b>5.29</b>		ug/L	4.00	4.00	1	08/02/22	08/03/22 11:11	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B30**

**2080110-03 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/02/22	08/02/22 14:54	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	12.9		mg/L	3.0	3.0	1	08/02/22	08/02/22 15:02	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	827.9		uS/cm			1	08/02/22	08/02/22 12:52	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	107		mg/L	0.500	0.500	1	08/02/22	08/02/22 17:18	CRP
Nitrate	21.9		mg/L	0.050	0.050	1	08/02/22	08/02/22 17:18	CRP
Nitrate (as N)	4.94		mg/L	0.011	0.011	1	08/02/22	08/02/22 17:18	CRP
Sulfate	21.4		mg/L	0.3	0.3	1	08/02/22	08/02/22 17:18	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	ND		mg/L	2.2	2.2	1	08/02/22	08/03/22 17:37	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	497		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	228		mg/L	5.0	5.0	1	08/05/22	08/05/22 17:48	MCD

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04**

**2080110-04 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.14</b>	O-07	pH Units			1	08/01/22	08/01/22 19:03	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>3.42</b>		NTU	0.500	0.110	1	08/02/22	08/02/22 13:29	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:03	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:03	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
<b>Benzene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:03	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
<b>Chlorobenzene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
<b>1,4-Dichlorobenzene</b>	<b>7.5</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
<b>cis-1,2-Dichloroethene</b>	<b>16.3</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04**

**2080110-04 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 19:03	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:03	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:03	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 19:03	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:03	LL
<b>Methylene chloride</b>	<b>2.0</b>	L	ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:03	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
<b>Tetrachloroethene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
<b>Trichloroethene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
<b>Vinyl chloride</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:03	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			08/03/22	08/03/22 19:03	
Surrogate: Toluene-d8			75-120	100 %			08/03/22	08/03/22 19:03	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/03/22	08/03/22 19:03	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04**

**2080110-04 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/10/22	08/10/22 21:17	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 21:17	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>935000</b>		ug/L	5000	5000	10	08/02/22	08/03/22 12:35	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Barium</b>	<b>317</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Calcium</b>	<b>189000</b>		ug/L	800	800	10	08/02/22	08/03/22 12:35	AWH
<b>Chromium</b>	<b>1.93</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Cobalt</b>	<b>1.70</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Copper</b>	<b>52.8</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Iron</b>	<b>191</b>		ug/L	100	5.00	1	08/02/22	08/03/22 11:13	AWH
Lead	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Magnesium</b>	<b>112000</b>		ug/L	1000	1000	10	08/02/22	08/03/22 12:35	AWH
<b>Manganese</b>	<b>4340</b>		ug/L	10.0	10.0	10	08/02/22	08/03/22 12:35	AWH
<b>Mercury</b>	<b>0.185</b>		ug/L	0.100	0.100	1	08/02/22	08/03/22 11:13	AWH
<b>Nickel</b>	<b>17.3</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Potassium</b>	<b>7560</b>		ug/L	100	100	1	08/02/22	08/03/22 11:13	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
Silver	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Sodium</b>	<b>79700</b>		ug/L	100	100	1	08/02/22	08/03/22 11:13	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Vanadium</b>	<b>1.59</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:13	AWH
<b>Zinc</b>	<b>12.4</b>		ug/L	4.00	4.00	1	08/02/22	08/03/22 11:13	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04**

**2080110-04 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.73		mg/L	0.02	0.02	1	08/02/22	08/02/22 14:54	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	47.9		mg/L	3.0	3.0	1	08/02/22	08/02/22 15:02	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2233		uS/cm			1	08/02/22	08/02/22 12:52	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	538		mg/L	1.00	1.00	2	08/02/22	08/04/22 21:20	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/02/22	08/02/22 17:36	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/02/22	08/02/22 17:36	CRP
Sulfate	15.6		mg/L	0.3	0.3	1	08/02/22	08/02/22 17:36	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	15.1		mg/L	2.2	2.2	1	08/02/22	08/03/22 17:37	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1210		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	295		mg/L	5.0	5.0	1	08/05/22	08/05/22 17:57	MCD

*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.*



Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04A**

**2080110-05 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.76</b>	O-07	pH Units			1	08/01/22	08/01/22 19:03	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>6.76</b>		NTU	0.500	0.110	1	08/02/22	08/02/22 13:31	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:27	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:27	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
<b>Benzene</b>	<b>2.0</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:27	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
<b>Chlorobenzene</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
<b>1,4-Dichlorobenzene</b>	<b>9.1</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
<b>cis-1,2-Dichloroethene</b>	<b>20.7</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04A**

**2080110-05 (Nonpotable Water)  
Sample Date: 08/01/22**

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	08/03/22	08/03/22 19:27	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:27	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:27	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 19:27	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:27	LL
<b>Methylene chloride</b>	<b>3.0</b>	L	ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:27	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
<b>Tetrachloroethene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
<b>Trichloroethene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
<b>Vinyl chloride</b>	<b>2.3</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:27	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %	08/03/22		08/03/22 19:27		
Surrogate: Toluene-d8			75-120	99 %	08/03/22		08/03/22 19:27		
Surrogate: 4-Bromofluorobenzene			75-120	99 %	08/03/22		08/03/22 19:27		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04A**

**2080110-05 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/10/22	08/10/22 21:32	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 21:32	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>876000</b>		ug/L	5000	5000	10	08/02/22	08/03/22 12:37	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Barium</b>	<b>90.1</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Calcium</b>	<b>155000</b>		ug/L	800	800	10	08/02/22	08/03/22 12:37	AWH
<b>Chromium</b>	<b>6.86</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Cobalt</b>	<b>3.13</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Copper</b>	<b>54.2</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Iron</b>	<b>1720</b>		ug/L	100	5.00	1	08/02/22	08/03/22 11:15	AWH
Lead	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Magnesium</b>	<b>119000</b>		ug/L	1000	1000	10	08/02/22	08/03/22 12:37	AWH
<b>Manganese</b>	<b>3500</b>		ug/L	10.0	10.0	10	08/02/22	08/03/22 12:37	AWH
<b>Mercury</b>	<b>0.245</b>		ug/L	0.100	0.100	1	08/02/22	08/03/22 11:15	AWH
<b>Nickel</b>	<b>34.0</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Potassium</b>	<b>6560</b>		ug/L	100	100	1	08/02/22	08/03/22 11:15	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Silver</b>	<b>1.34</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Sodium</b>	<b>109000</b>		ug/L	1000	1000	10	08/02/22	08/03/22 12:37	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Vanadium</b>	<b>2.38</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:15	AWH
<b>Zinc</b>	<b>41.6</b>		ug/L	4.00	4.00	1	08/02/22	08/03/22 11:15	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B04A**

**2080110-05 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.44		mg/L	0.02	0.02	1	08/02/22	08/02/22 14:55	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	54.1		mg/L	3.0	3.0	1	08/02/22	08/02/22 15:02	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2241		uS/cm			1	08/02/22	08/02/22 12:52	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	610		mg/L	1.00	1.00	2	08/02/22	08/04/22 21:39	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/02/22	08/02/22 17:55	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/02/22	08/02/22 17:55	CRP
Sulfate	10.2		mg/L	0.3	0.3	1	08/02/22	08/02/22 17:55	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	576		mg/L	14.7	14.7	1	08/02/22	08/03/22 17:37	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1290		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	177		mg/L	5.0	5.0	1	08/05/22	08/05/22 18:04	MCD

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B105**

**2080110-06 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.54</b>	O-07	pH Units			1	08/01/22	08/01/22 19:03	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>93.6</b>		NTU	5.00	1.10	10	08/02/22	08/02/22 13:37	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:52	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:52	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Benzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:52	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
<b>1,4-Dichlorobenzene</b>	<b>3.3</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
<b>cis-1,2-Dichloroethene</b>	<b>3.8</b>		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B105**

**2080110-06 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 19:52	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:52	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:52	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 19:52	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:52	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 19:52	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 19:52	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/03/22		08/03/22 19:52		
Surrogate: Toluene-d8			75-120	99 %	08/03/22		08/03/22 19:52		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/03/22		08/03/22 19:52		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B105**

**2080110-06 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/10/22	08/10/22 21:47	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 21:47	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>953000</b>		ug/L	5000	5000	10	08/02/22	08/03/22 12:40	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Arsenic</b>	<b>2.87</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Barium</b>	<b>270</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Calcium</b>	<b>156000</b>		ug/L	800	800	10	08/02/22	08/03/22 12:40	AWH
<b>Chromium</b>	<b>4.76</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Cobalt</b>	<b>9.41</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Copper</b>	<b>6.20</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Iron</b>	<b>13000</b>		ug/L	100	5.00	1	08/02/22	08/03/22 11:18	AWH
<b>Lead</b>	<b>1.34</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Magnesium</b>	<b>137000</b>		ug/L	1000	1000	10	08/02/22	08/03/22 12:40	AWH
<b>Manganese</b>	<b>3370</b>		ug/L	10.0	10.0	10	08/02/22	08/03/22 12:40	AWH
<b>Mercury</b>	<b>0.110</b>		ug/L	0.100	0.100	1	08/02/22	08/03/22 11:18	AWH
<b>Nickel</b>	<b>24.9</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Potassium</b>	<b>45700</b>		ug/L	100	100	1	08/02/22	08/03/22 11:18	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
Silver	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Sodium</b>	<b>233000</b>		ug/L	1000	1000	10	08/02/22	08/03/22 12:40	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Vanadium</b>	<b>5.00</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:18	AWH
<b>Zinc</b>	<b>74.2</b>		ug/L	4.00	4.00	1	08/02/22	08/03/22 11:18	AWH

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B105**

**2080110-06 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia HR Prep (EPA 350.1)</b>									
Ammonia as N	20.2		mg/L	2.00	2.00	1	08/09/22	08/09/22 15:49	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	96.4		mg/L	3.0	3.0	1	08/02/22	08/02/22 15:03	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2690		uS/cm			1	08/02/22	08/02/22 12:52	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	279		mg/L	0.500	0.500	1	08/02/22	08/02/22 18:13	CRP
Nitrate	0.139		mg/L	0.050	0.050	1	08/02/22	08/02/22 18:13	CRP
Nitrate (as N)	0.031		mg/L	0.011	0.011	1	08/02/22	08/02/22 18:13	CRP
Sulfate	212		mg/L	0.3	0.3	1	08/02/22	08/02/22 18:13	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	114		mg/L	2.8	2.8	1	08/02/22	08/03/22 17:37	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	928		mg/L	5.0	5.0	1	08/05/22	08/05/22 18:16	MCD

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Will Brewington, President

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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**0B105**

**2080110-06RE1 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
<b>Solids, Dissolved</b>	<b>1610</b>	QC-6, RE-01	mg/L	10.0	10.0	1	08/05/22	08/10/22 14:39	CRP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**ST120**

**2080110-07 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>7.39</b>	O-07	pH Units			1	08/01/22	08/01/22 19:03	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>3.06</b>		NTU	0.500	0.110	1	08/02/22	08/02/22 13:34	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 20:17	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 20:17	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Benzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 20:17	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**ST120**

**2080110-07 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 20:17	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 20:17	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 20:17	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 20:17	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 20:17	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 20:17	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 20:17	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/03/22		08/03/22 20:17		
Surrogate: Toluene-d8			75-120	99 %	08/03/22		08/03/22 20:17		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	08/03/22		08/03/22 20:17		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**ST120**

**2080110-07 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/10/22	08/10/22 22:03	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 22:03	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>176000</b>		ug/L	500	500	1	08/02/22	08/03/22 11:20	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
<b>Barium</b>	<b>56.9</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
<b>Calcium</b>	<b>35500</b>		ug/L	80.0	80.0	1	08/02/22	08/03/22 11:20	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
<b>Copper</b>	<b>1.17</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
<b>Iron</b>	<b>489</b>		ug/L	100	5.00	1	08/02/22	08/03/22 11:20	AWH
Lead	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
<b>Magnesium</b>	<b>21300</b>		ug/L	100	100	1	08/02/22	08/03/22 11:20	AWH
<b>Manganese</b>	<b>40.7</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/02/22	08/03/22 11:20	AWH
<b>Nickel</b>	<b>4.81</b>		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
<b>Potassium</b>	<b>3230</b>		ug/L	100	100	1	08/02/22	08/03/22 11:20	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Silver	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
<b>Sodium</b>	<b>43800</b>		ug/L	100	100	1	08/02/22	08/03/22 11:20	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/02/22	08/03/22 11:20	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/02/22	08/03/22 11:20	AWH

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**ST120**

**2080110-07 (Nonpotable Water)**  
**Sample Date: 08/01/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.05		mg/L	0.02	0.02	1	08/02/22	08/02/22 14:57	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	22.3		mg/L	3.0	3.0	1	08/02/22	08/02/22 15:03	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	611.8		uS/cm			1	08/02/22	08/02/22 12:52	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	136		mg/L	0.500	0.500	1	08/02/22	08/02/22 19:27	CRP
Nitrate	3.31		mg/L	0.050	0.050	1	08/02/22	08/02/22 19:27	CRP
Nitrate (as N)	0.749		mg/L	0.011	0.011	1	08/02/22	08/02/22 19:27	CRP
Sulfate	10.8		mg/L	0.3	0.3	1	08/02/22	08/02/22 19:27	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	3.5		mg/L	2.2	2.2	1	08/02/22	08/03/22 17:37	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	322		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	70.4		mg/L	5.0	5.0	1	08/05/22	08/05/22 18:25	MCD

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**TRIP BLANK**

**2080110-08 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 17:24	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:24	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Benzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:24	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL

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.



Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**TRIP BLANK**

**2080110-08 (Nonpotable Water)**  
**Sample Date: 08/01/22**

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	08/03/22	08/03/22 17:24	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:24	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:24	LL
Isobutanol	ND		ug/L	100	100	1	08/03/22	08/03/22 17:24	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:24	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/22	08/03/22 17:24	LL
Styrene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Toluene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/22	08/03/22 17:24	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		105 %			08/03/22	08/03/22 17:24	
Surrogate: Toluene-d8		75-120		99 %			08/03/22	08/03/22 17:24	
Surrogate: 4-Bromofluorobenzene		75-120		99 %			08/03/22	08/03/22 17:24	

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Will Brewington, President

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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

**Reported:**  
 08/11/22 17:44

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208026 - pH (Paper or Meter)**

Reference (B208026-SRM1)

Prepared & Analyzed: 08/01/22

pH	7.02			pH Units	7.003		100	99.93-100.07		
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Will Brewington, President

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

Reported:  
08/11/22 17:44

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208045 - Turbidity Prep (EPA 180.1)**

**Blank (B208045-BLK1)**

Prepared & Analyzed: 08/02/22

Turbidity	ND		0.500	NTU						
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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

**Blank (B208066-BLK1)**

Prepared & Analyzed: 08/03/22

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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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

**Blank (B208066-BLK1)**

Prepared & Analyzed: 08/03/22

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	52.84			ug/L	50.00		106	70-130		
Surrogate: Toluene-d8	49.56			ug/L	50.00		99	75-120		
Surrogate: 4-Bromofluorobenzene	48.86			ug/L	50.00		98	75-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

**LCS (B208066-BS1)**

Prepared & Analyzed: 08/03/22

Acetone	11.4		5.0	ug/L	10.00		114	50-150		
Acrylonitrile	4.8	J	5.0	ug/L	5.000		96	50-150		
Benzene	5.2		1.0	ug/L	5.000		104	50-150		
Bromochloromethane	5.1		1.0	ug/L	5.000		101	50-150		
Bromodichloromethane	4.9		1.0	ug/L	5.000		98	50-150		
Bromoform	4.9		1.0	ug/L	5.000		98	50-150		
Bromomethane	5.4		1.0	ug/L	5.000		107	50-150		
2-Butanone (MEK)	10.5		5.0	ug/L	10.00		105	50-150		
Carbon disulfide	5.5		1.0	ug/L	5.000		109	50-150		
Carbon tetrachloride	5.2		1.0	ug/L	5.000		103	50-150		
Chlorobenzene	5.2		1.0	ug/L	5.000		103	50-150		
Chloroethane	4.8		1.0	ug/L	5.000		96	50-150		
Chloroform	5.0		1.0	ug/L	5.000		101	50-150		
Chloromethane	5.1		1.0	ug/L	5.000		101	50-150		
Dibromochloromethane	4.7		1.0	ug/L	5.000		95	50-150		
1,2-Dibromo-3-chloropropane	5.7		1.0	ug/L	5.000		113	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.3		1.0	ug/L	5.000		105	50-150		
1,2-Dichlorobenzene	5.7		1.0	ug/L	5.000		114	50-150		
1,4-Dichlorobenzene	6.2		1.0	ug/L	5.000		124	50-150		
1,1-Dichloroethane	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dichloroethane	5.1		1.0	ug/L	5.000		101	50-150		
1,1-Dichloroethene	5.0		1.0	ug/L	5.000		99	50-150		
cis-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
trans-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
1,2-Dichloropropane	5.3		1.0	ug/L	5.000		105	50-150		
1,3-Dichloropropane	4.8		1.0	ug/L	5.000		96	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
1,1-Dichloropropene	5.0		1.0	ug/L	5.000		99	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		95	50-150		
trans-1,3-Dichloropropene	4.6		1.0	ug/L	5.000		91	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

**LCS (B208066-BS1)**

Prepared & Analyzed: 08/03/22

Ethylbenzene	5.3		1.0	ug/L	5.000		106	50-150		
2-Hexanone	11.1		5.0	ug/L	10.00		111	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.000		98	50-150		
4-Methyl-2-pentanone	10.3		5.0	ug/L	10.00		103	50-150		
Methylene chloride	6.2		1.0	ug/L	5.000		123	0-200		
Methyl methacrylate	4.8	J	5.0	ug/L	5.000		96	50-150		
Styrene	5.1		1.0	ug/L	5.000		102	50-150		
1,1,1,2-Tetrachloroethane	4.8		1.0	ug/L	5.000		95	50-150		
1,1,2,2-Tetrachloroethane	5.3		1.0	ug/L	5.000		105	50-150		
Tetrachloroethene	5.1		1.0	ug/L	5.000		103	50-150		
Toluene	5.2		1.0	ug/L	5.000		105	50-150		
1,1,1-Trichloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,1,2-Trichloroethane	5.1		1.0	ug/L	5.000		102	50-150		
Trichloroethene	4.6		1.0	ug/L	5.000		92	50-150		
Trichlorofluoromethane (Freon 11)	5.4		1.0	ug/L	5.000		108	50-150		
1,2,3-Trichloropropane	5.3		1.0	ug/L	5.000		106	50-150		
Vinyl acetate	3.4		1.0	ug/L	5.000		68	50-150		
Vinyl chloride	5.4		1.0	ug/L	5.000		108	50-150		
o-Xylene	4.8		1.0	ug/L	5.000		96	50-150		
m- & p-Xylenes	10.9		1.0	ug/L	10.00		109	50-150		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.23</i>			<i>ug/L</i>	<i>50.00</i>		<i>102</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>48.73</i>			<i>ug/L</i>	<i>50.00</i>		<i>97</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.95</i>			<i>ug/L</i>	<i>50.00</i>		<i>100</i>	<i>75-120</i>		

**Duplicate (B208066-DUP1)**

Source: 2080110-01

Prepared & Analyzed: 08/03/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

Duplicate (B208066-DUP1)	Source: 2080110-01	Prepared & Analyzed: 08/03/22			
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	ND	1.0 ug/L	ND	20	
Chloroethane	ND	1.0 ug/L	ND	20	
Chloroform	3.7	1.0 ug/L	3.4	7	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	ND	1.0 ug/L	ND	20	
1,4-Dichlorobenzene	2.4	1.0 ug/L	2.8	14	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20	
1,1-Dichloroethane	7.6	1.0 ug/L	7.5	1	20
1,2-Dichloroethane	1.1	1.0 ug/L	1.2	6	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20	
cis-1,2-Dichloroethene	42.3	1.0 ug/L	42.9	1	20
trans-1,2-Dichloroethene	1.6	1.0 ug/L	1.4	11	20
1,2-Dichloropropane	2.7	1.0 ug/L	2.9	5	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	

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208066-DUP1)</b>		<b>Source: 2080110-01</b>			<b>Prepared &amp; Analyzed: 08/03/22</b>					
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	1.6		1.0	ug/L	1.6			0.6		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	5.9		1.0	ug/L	6.0				2	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	8.2				1	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	2.1		1.0	ug/L	2.1				0.9	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>53.60</i>			<i>ug/L</i>	<i>50.00</i>			<i>107</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>48.71</i>			<i>ug/L</i>	<i>50.00</i>			<i>97</i>		<i>75-120</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.66</i>			<i>ug/L</i>	<i>50.00</i>			<i>97</i>		<i>75-120</i>

<b>Matrix Spike (B208066-MS1)</b>		<b>Source: 2080110-02</b>			<b>Prepared &amp; Analyzed: 08/03/22</b>					
Acetone	10.3		5.0	ug/L	10.00	ND	103	60-120		
Acrylonitrile	10.9		5.0	ug/L	10.00	ND	109	0-200		
Benzene	12.3		1.0	ug/L	10.00	1.2	111	60-120		
Bromochloromethane	11.0		1.0	ug/L	10.00	ND	110	60-120		
Bromodichloromethane	11.2		1.0	ug/L	10.00	ND	112	60-120		
Bromoform	10.1		1.0	ug/L	10.00	ND	101	60-120		
Bromomethane	11.2		1.0	ug/L	10.00	ND	112	60-120		
2-Butanone (MEK)	9.6		5.0	ug/L	10.00	ND	96	60-120		

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.



Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

Matrix Spike (B208066-MS1)	Source: 2080110-02			Prepared & Analyzed: 08/03/22						
Carbon disulfide	11.5		1.0	ug/L	10.00	ND	115	60-120		
Carbon tetrachloride	11.0		1.0	ug/L	10.00	ND	110	60-120		
Chlorobenzene	12.1		1.0	ug/L	10.00	1.1	111	60-120		
Chloroethane	11.6		1.0	ug/L	10.00	ND	116	60-120		
Chloroform	11.4		1.0	ug/L	10.00	ND	114	60-120		
Chloromethane	11.1		1.0	ug/L	10.00	ND	111	60-120		
Dibromochloromethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
1,2-Dibromo-3-chloropropane	9.2		1.0	ug/L	10.00	ND	92	60-120		
1,2-Dibromoethane (EDB)	9.6		1.0	ug/L	10.00	ND	96	60-120		
Dibromomethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,2-Dichlorobenzene	11.3		1.0	ug/L	10.00	ND	113	60-120		
1,4-Dichlorobenzene	16.1		1.0	ug/L	10.00	5.3	108	60-120		
1,1-Dichloroethane	17.0		1.0	ug/L	10.00	6.0	109	60-120		
1,2-Dichloroethane	11.8		1.0	ug/L	10.00	1.2	107	60-120		
1,1-Dichloroethene	11.3		1.0	ug/L	10.00	ND	113	60-120		
cis-1,2-Dichloroethene	49.7		1.0	ug/L	10.00	40.0	97	60-120		
trans-1,2-Dichloroethene	11.9		1.0	ug/L	10.00	1.2	107	60-120		
1,2-Dichloropropane	14.5		1.0	ug/L	10.00	3.6	109	60-120		
1,3-Dichloropropane	10.7		1.0	ug/L	10.00	ND	107	60-120		
2,2-Dichloropropane	9.1		1.0	ug/L	10.00	ND	91	60-120		
1,1-Dichloropropene	10.8		1.0	ug/L	10.00	ND	108	60-120		
cis-1,3-Dichloropropene	9.8		1.0	ug/L	10.00	ND	98	60-120		
trans-1,3-Dichloropropene	10.3		1.0	ug/L	10.00	ND	103	60-120		
Ethylbenzene	11.3		1.0	ug/L	10.00	ND	113	60-120		
2-Hexanone	10.0		5.0	ug/L	10.00	ND	100	60-120		
Methyl tert-butyl ether (MTBE)	10.7		1.0	ug/L	10.00	ND	107	60-120		
4-Methyl-2-pentanone	9.4		5.0	ug/L	10.00	ND	94	60-120		
Methylene chloride	12.2		1.0	ug/L	10.00	1.9	103	60-120		
Methyl methacrylate	9.7		5.0	ug/L	10.00	ND	97	60-120		
Styrene	8.2		1.0	ug/L	10.00	ND	82	60-120		
1,1,1,2-Tetrachloroethane	10.8		1.0	ug/L	10.00	ND	108	60-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208066 - GCMS-WATER-VOLATILES**

Matrix Spike (B208066-MS1)	Source: 2080110-02	Prepared & Analyzed: 08/03/22
1,1,2,2-Tetrachloroethane	10.5	1.0 ug/L 10.00 ND 105 60-120
Tetrachloroethene	18.5	1.0 ug/L 10.00 7.7 109 60-120
Toluene	11.1	1.0 ug/L 10.00 ND 111 60-120
1,1,1-Trichloroethane	11.1	1.0 ug/L 10.00 ND 111 60-120
1,1,2-Trichloroethane	11.0	1.0 ug/L 10.00 ND 110 60-120
Trichloroethene	18.0	1.0 ug/L 10.00 7.7 103 60-120
Trichlorofluoromethane (Freon 11)	12.1	1.0 ug/L 10.00 ND 121 60-120
1,2,3-Trichloropropane	9.8	1.0 ug/L 10.00 ND 98 60-120
Vinyl acetate	7.9	1.0 ug/L 10.00 ND 79 60-120
Vinyl chloride	14.8	1.0 ug/L 10.00 2.9 119 60-120
o-Xylene	10.7	1.0 ug/L 10.00 ND 107 60-120
m- & p-Xylenes	22.9	1.0 ug/L 20.00 ND 114 60-120
Surrogate: 1,2-Dichloroethane-d4	51.39	ug/L 50.00 103 70-130
Surrogate: Toluene-d8	49.63	ug/L 50.00 99 75-120
Surrogate: 4-Bromofluorobenzene	51.12	ug/L 50.00 102 75-120

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208224 - 504.1 EDB/DBCP</b>										
<b>Blank (B208224-BLK1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208224-BLK2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208224-BS1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	0.110		0.050	ug/L	0.1000		110	70-130		
1,2-Dibromoethane (EDB)	0.139	S-98	0.020	ug/L	0.1000		139	70-130		
<b>LCS (B208224-BS2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	0.121		0.050	ug/L	0.1000		121	70-130		
1,2-Dibromoethane (EDB)	0.159	S-98	0.020	ug/L	0.1000		159	70-130		
<b>Matrix Spike (B208224-MS1)</b>			<b>Source: 2080110-01</b>			Prepared & Analyzed: 08/10/22				
1,2-Dibromo-3-chloropropane	0.212		0.047	ug/L	0.1897	ND	112	70-130		
1,2-Dibromoethane (EDB)	0.236		0.019	ug/L	0.1897	ND	124	70-130		
<b>Matrix Spike (B208224-MS2)</b>			<b>Source: 2080221-01</b>			Prepared: 08/10/22 Analyzed: 08/11/22				
1,2-Dibromo-3-chloropropane	0.242		0.048	ug/L	0.1923	ND	126	70-130		
1,2-Dibromoethane (EDB)	0.270	S-98	0.019	ug/L	0.1923	ND	140	70-130		
<b>Reference (B208224-SRM1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	0.023		0.050	ug/L	0.04000		58	50-150		
1,2-Dibromoethane (EDB)	0.040		0.020	ug/L	0.04000		99	50-150		
<b>Reference (B208224-SRM2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	0.024		0.050	ug/L	0.04000		60	50-150		
1,2-Dibromoethane (EDB)	0.053		0.020	ug/L	0.04000		132	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208034 - 3010A-Metals Digestion**

**Blank (B208034-BLK1)**

Prepared: 08/02/22 Analyzed: 08/03/22

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 (B208034-BS1)**

Prepared: 08/02/22 Analyzed: 08/03/22

Antimony	47.3		1.00	ug/L	50.00		95	80-120		
Arsenic	49.1		1.00	ug/L	50.00		98	80-120		
Barium	47.5		1.00	ug/L	50.00		95	80-120		
Beryllium	48.9		1.00	ug/L	50.00		98	80-120		
Cadmium	49.1		1.00	ug/L	50.00		98	80-120		
Calcium	4890		80.0	ug/L	5000		98	80-120		
Chromium	49.4		1.00	ug/L	50.00		99	80-120		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208034 - 3010A-Metals Digestion**

**LCS (B208034-BS1)**

Prepared: 08/02/22 Analyzed: 08/03/22

Cobalt	50.1		1.00	ug/L	50.00		100	80-120		
Copper	51.0		1.00	ug/L	50.00		102	80-120		
Iron	5030		100	ug/L	5000		101	80-120		
Lead	47.8		1.00	ug/L	50.00		96	80-120		
Magnesium	5070		100	ug/L	5000		101	80-120		
Manganese	48.6		1.00	ug/L	50.00		97	80-120		
Mercury	2.30		0.100	ug/L	2.500		92	80-120		
Nickel	49.6		1.00	ug/L	50.00		99	80-120		
Potassium	5070		100	ug/L	5000		101	80-120		
Selenium	49.7		1.00	ug/L	50.00		99	80-120		
Silver	46.6		1.00	ug/L	50.00		93	80-120		
Sodium	5060		100	ug/L	5000		101	80-120		
Thallium	48.4		1.00	ug/L	50.00		97	80-120		
Vanadium	48.6		1.00	ug/L	50.00		97	80-120		
Zinc	98.5		4.00	ug/L	100.0		99	80-120		

**Duplicate (B208034-DUP1)**

Source: 2080102-01

Prepared: 08/02/22 Analyzed: 08/03/22

Hardness as CaCO3	260000		500	ug/L		267000			3	200
Antimony	1.10		1.00	ug/L		1.16			5	20
Arsenic	ND		1.00	ug/L		ND				20
Barium	29.6		1.00	ug/L		29.4			0.7	20
Beryllium	ND		1.00	ug/L		ND				20
Cadmium	ND		1.00	ug/L		ND				20
Calcium	73500		80.0	ug/L		76600			4	20
Chromium	ND		1.00	ug/L		ND				20
Cobalt	ND		1.00	ug/L		ND				20
Copper	1.04		1.00	ug/L		1.04			0.07	20
Iron	27.9	J	100	ug/L		26.1			7	20
Lead	ND		1.00	ug/L		ND				20
Magnesium	18500		100	ug/L		18300			1	20
Manganese	131		1.00	ug/L		130			0.7	20
Mercury	ND		0.100	ug/L		ND				20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208034 - 3010A-Metals Digestion**

<b>Duplicate (B208034-DUP1)</b>		<b>Source: 2080102-01</b>		Prepared: 08/02/22		Analyzed: 08/03/22		
Nickel	2.22		1.00	ug/L	2.22		0.06	20
Potassium	12000		100	ug/L	11900		0.9	20
Selenium	1.08		1.00	ug/L	1.05		2	20
Silver	ND		1.00	ug/L	ND			20
Sodium	150000	E	100	ug/L	148000		1	20
Thallium	ND		1.00	ug/L	ND			20
Vanadium	ND		1.00	ug/L	ND			20
Zinc	5.81		4.00	ug/L	5.31		9	20

<b>Matrix Spike (B208034-MS1)</b>		<b>Source: 2080102-01</b>		Prepared: 08/02/22		Analyzed: 08/03/22		
Antimony	50.0		1.00	ug/L	50.00	1.16	98	75-125
Arsenic	51.4		1.00	ug/L	50.00	ND	103	75-125
Barium	79.0		1.00	ug/L	50.00	29.4	99	75-125
Beryllium	48.7		1.00	ug/L	50.00	ND	97	75-125
Cadmium	49.5		1.00	ug/L	50.00	ND	99	75-125
Calcium	83500	QM-4X	80.0	ug/L	5000	76600	139	75-125
Chromium	49.4		1.00	ug/L	50.00	ND	99	75-125
Cobalt	50.2		1.00	ug/L	50.00	ND	100	75-125
Copper	50.7		1.00	ug/L	50.00	1.04	99	75-125
Iron	5100		100	ug/L	5000	26.1	101	75-125
Lead	48.9		1.00	ug/L	50.00	ND	98	75-125
Magnesium	22900		100	ug/L	5000	18300	93	75-125
Manganese	179		1.00	ug/L	50.00	130	98	75-125
Mercury	2.39		0.100	ug/L	2.500	ND	96	75-125
Nickel	50.9		1.00	ug/L	50.00	2.22	97	75-125
Potassium	16600		100	ug/L	5000	11900	94	75-125
Selenium	52.3		1.00	ug/L	50.00	1.05	103	75-125
Silver	45.9		1.00	ug/L	50.00	ND	92	75-125
Sodium	151000	QM-4X, E	100	ug/L	5000	148000	61	75-125
Thallium	50.1		1.00	ug/L	50.00	ND	100	75-125
Vanadium	49.8		1.00	ug/L	50.00	ND	100	75-125
Zinc	105		4.00	ug/L	100.0	5.31	100	75-125

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208046 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208046-BLK1)</b>					Prepared & Analyzed: 08/02/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208046-BS1)</b>					Prepared & Analyzed: 08/02/22					
Ammonia as N	0.50		0.02	mg/L	0.5000		100	80-120		
<b>Duplicate (B208046-DUP1)</b>					Source: 2080110-01		Prepared & Analyzed: 08/02/22			
Ammonia as N	0.06		0.02	mg/L		0.07			3	200
<b>Matrix Spike (B208046-MS1)</b>					Source: 2080110-01		Prepared & Analyzed: 08/02/22			
Ammonia as N	0.55		0.02	mg/L	0.5000	0.07	98	80-120		
<b>Batch B208210 - Ammonia HR Prep (EPA 350.1)</b>										
<b>Blank (B208210-BLK1)</b>					Prepared & Analyzed: 08/09/22					
Ammonia as N	ND		2.00	mg/L						
<b>LCS (B208210-BS1)</b>					Prepared & Analyzed: 08/09/22					
Ammonia as N	21.8		2.00	mg/L	20.00		109	80-120		
<b>Duplicate (B208210-DUP1)</b>					Source: 2080110-06		Prepared & Analyzed: 08/09/22			
Ammonia as N	18.6		2.00	mg/L		20.2			8	200
<b>Matrix Spike (B208210-MS1)</b>					Source: 2080110-06		Prepared & Analyzed: 08/09/22			
Ammonia as N	39.0		2.00	mg/L	20.00	20.2	94	80-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208041 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208041-BLK1)</b>					Prepared & Analyzed: 08/02/22					
COD	ND		3.0	mg/L						
<b>LCS (B208041-BS1)</b>					Prepared & Analyzed: 08/02/22					
COD	50.8		3.0	mg/L	50.00		102	90-110		
<b>Duplicate (B208041-DUP1)</b>					Source: 2080110-01		Prepared & Analyzed: 08/02/22			
COD	18.5		3.0	mg/L		21.8			16	20
<b>Matrix Spike (B208041-MS1)</b>					Source: 2080110-01		Prepared & Analyzed: 08/02/22			
COD	71.5		3.0	mg/L	50.00	21.8	99	90-110		



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

**Reported:**  
 08/11/22 17:44

**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 B208042 - Conductivity (SM 2510B)**

<b>Duplicate (B208042-DUP1)</b>		<b>Source: 2080110-01</b>		<b>Prepared &amp; Analyzed: 08/02/22</b>					
Conductivity	469.7			uS/cm	473.8			0.9	20



Will Brewington, President

*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.*



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208040 - 300.0 Anions Prep**

**Blank (B208040-BLK1)**

Prepared & Analyzed: 08/02/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208040-BS1)**

Prepared & Analyzed: 08/02/22

Chloride	3.99		0.525	mg/L	4.000		100	90-110		
Nitrate	3.73		0.053	mg/L	4.000		93	90-110		
Nitrate (as N)	0.842		0.012	mg/L				90-110		
Sulfate	4.0		0.3	mg/L	4.000		99	90-110		

**Duplicate (B208040-DUP1)**

Source: 2080110-01

Prepared & Analyzed: 08/02/22

Chloride	106		0.500	mg/L		107			0.3	20
Nitrate	22.9		0.050	mg/L		22.9			0.08	200
Nitrate (as N)	5.18		0.011	mg/L		5.17			0.08	200
Sulfate	1.2		0.3	mg/L		1.1			9	20

**Matrix Spike (B208040-MS1)**

Source: 2080110-01

Prepared & Analyzed: 08/02/22

Chloride	111		0.525	mg/L	4.000	107	106	80-120		
Nitrate	27.0		0.053	mg/L	4.000	22.9	103	80-120		
Nitrate (as N)	6.11		0.012	mg/L		5.17		80-120		
Sulfate	4.9		0.3	mg/L	4.000	1.1	95	80-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**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 B208043 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208043-BLK1)</b>										
					Prepared: 08/02/22 Analyzed: 08/03/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208043-BS1)</b>										
					Prepared: 08/02/22 Analyzed: 08/03/22					
Solids, Suspended	39.7		2.5	mg/L	52.80		75	70-130		
<b>Duplicate (B208043-DUP1)</b>										
			Source: 2072915-02			Prepared: 08/02/22 Analyzed: 08/03/22				
Solids, Suspended	ND		4.4	mg/L		ND				20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208135 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208135-BLK1)</b>					Prepared: 08/05/22 Analyzed: 08/08/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208135-BS1)</b>					Prepared: 08/05/22 Analyzed: 08/08/22					
Solids, Dissolved	727		10.0	mg/L	776.5		94	90-110		
<b>Duplicate (B208135-DUP1)</b>					Source: 2080110-01		Prepared: 08/05/22 Analyzed: 08/08/22			
Solids, Dissolved	290		10.0	mg/L		293			0.9	20
<b>Batch B208174 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208174-BLK1)</b>					Prepared: 08/08/22 Analyzed: 08/10/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208174-BS1)</b>					Prepared: 08/08/22 Analyzed: 08/10/22					
Solids, Dissolved	726		10.0	mg/L	770.5		94	90-110		
<b>Duplicate (B208174-DUP1)</b>					Source: 2080324-01		Prepared: 08/08/22 Analyzed: 08/10/22			
Solids, Dissolved	356		10.0	mg/L		348			2	20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch 845855 - SM 2320B**

<b>BLANK (4652042)</b>		Prepared & Analyzed: 08/05/22								
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		

<b>LCS (4652043)</b>		Prepared & Analyzed: 08/05/22								
Alkalinity, Total as CaCO3	100%		5.0	mg/L	250		100	90-110		

<b>DUP (4652044)</b>		Source: 2080110-02		Prepared & Analyzed: 08/05/22						
Alkalinity, Total as CaCO3	229	H3	5.0	mg/L		230		-	1	20

**Batch 846011 - SM 2320B**

<b>BLANK (4653025)</b>		Prepared & Analyzed: 08/06/22								
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		

<b>LCS (4653026)</b>		Prepared & Analyzed: 08/06/22								
Alkalinity, Total as CaCO3	99%		5.0	mg/L	250		99	90-110		



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/11/22 17:44

**Notes and Definitions**

- S-98 Spike recovery outside of established control limits.
- RE-01 Result was obtained from a second analysis
- 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.
- QC-6 Sample was originally analyzed within hold time. Reanalysis was performed outside of recommended hold time and the reanalysis has been reported.
- O-07 This sample was received outside of the EPA recommended holding time.
- L Analyte is a possible laboratory contaminant
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- H3 Sample was received or analysis requested beyond the recognized method holding time.
- 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).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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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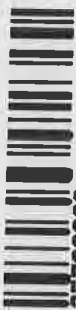


Will Brewington, President





WO#: 35736226



35736226

SUBCONTRACT ORDER  
Maryland Spectral Services  
2080110

RECEIVING LABORATORY:

Pace Labs+FL  
8 East Tower Circle  
Ormond Beach, FL 32174  
Phone :(386) 672-5668  
Fax:

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

Laboratory ID      Comments

Due 4:00 PM 08/10/22

Sample ID: 2080110-01      MW-13A      Water      Sampled:08/01/22 08:55

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080110-02      MW-13B      Water      Sampled:08/01/22 10:14

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080110-03      0B30      Water      Sampled:08/01/22 00:00

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080110-04      0B04      Water      Sampled:08/01/22 12:35

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

12:50

Released By: TB/PACE      Date: 8-2-22

Received By: Bob Pace      Date: 8/3/22

SUBCONTRACT ORDER  
 Maryland Spectral Services  
 2080110

Due	Time	Date	Laboratory ID	Comments
Sample ID: 2080110-05	0B04A	Water	Sampled: 08/01/22 13:50	
Alkalinity				
Containers Supplied: Plastic, 0.5L None (F)				
Sample ID: 2080110-06	0B105	Water	Sampled: 08/01/22 14:35	
Alkalinity				
Containers Supplied: Plastic, 0.5L None (F)				
Sample ID: 2080110-07	ST120	Water	Sampled: 08/01/22 11:00	
Alkalinity				
Containers Supplied: Plastic, 0.5L None (F)				

12:50  
 8-2-22  
 TB/Pace  
 Received By: TB/Pace  
 Date: 8-2-22

8/3/22 1110  
 Received By: GIB Pace  
 Date: 8/3/22

12 August 2022

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 08/02/22 16:41.

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,



Will Brewington  
President

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

**Reported:**  
 08/12/22 10:23

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1B		2080221-01	Nonpotable Water	08/02/22 08:20	08/02/22 16:41
MW-2A		2080221-02	Nonpotable Water	08/02/22 09:55	08/02/22 16:41
MW-2B		2080221-03	Nonpotable Water	08/02/22 11:02	08/02/22 16:41
OB102		2080221-04	Nonpotable Water	08/02/22 12:10	08/02/22 16:41
OB06		2080221-05	Nonpotable Water	08/02/22 13:05	08/02/22 16:41
OB07		2080221-06	Nonpotable Water	08/02/22 14:05	08/02/22 16:41
OB07A		2080221-07	Nonpotable Water	08/02/22 14:40	08/02/22 16:41
ST065		2080221-08	Nonpotable Water	08/02/22 15:10	08/02/22 16:41
TRIP BLANK		2080221-09	Nonpotable Water	08/02/22 00:00	08/02/22 16:41



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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-1B**

**2080221-01 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.30</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>14.9</b>		NTU	0.500	0.110	1	08/03/22	08/03/22 16:08	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:00	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:00	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:00	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-1B**

**2080221-01 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/05/22	08/05/22 15:00	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:00	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:00	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 15:00	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:00	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:00	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:00	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %	08/05/22		08/05/22 15:00		
Surrogate: Toluene-d8			75-120	98 %	08/05/22		08/05/22 15:00		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	08/05/22		08/05/22 15:00		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-1B**

**2080221-01 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/10/22	08/10/22 22:18	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 22:18	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>33000</b>		ug/L	500	500	1	08/03/22	08/04/22 13:16	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Barium</b>	<b>3.41</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Calcium</b>	<b>5920</b>		ug/L	80.0	80.0	1	08/03/22	08/04/22 13:16	AWH
<b>Chromium</b>	<b>21.9</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Cobalt</b>	<b>1.43</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Copper</b>	<b>4.56</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Iron</b>	<b>1340</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:16	AWH
Lead	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Magnesium</b>	<b>4420</b>		ug/L	100	100	1	08/03/22	08/04/22 13:16	AWH
<b>Manganese</b>	<b>32.7</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:16	AWH
<b>Nickel</b>	<b>16.7</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Potassium</b>	<b>1260</b>		ug/L	100	100	1	08/03/22	08/04/22 13:16	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Sodium</b>	<b>7790</b>		ug/L	100	100	1	08/03/22	08/04/22 13:16	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Vanadium</b>	<b>2.38</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:16	AWH
<b>Zinc</b>	<b>8.97</b>		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:16	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-1B**

**2080221-01 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/05/22	08/05/22 18:20	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	11.9		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:52	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	101.3		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	2.22		mg/L	0.500	0.500	1	08/02/22	08/02/22 22:32	CRP
Nitrate	0.855		mg/L	0.050	0.050	1	08/02/22	08/02/22 22:32	CRP
Nitrate (as N)	0.193		mg/L	0.011	0.011	1	08/02/22	08/02/22 22:32	CRP
Sulfate	ND		mg/L	0.3	0.3	1	08/02/22	08/02/22 22:32	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	127		mg/L	3.8	3.8	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	83.5		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	46.4		mg/L	5.0	5.0	1	08/09/22	08/09/22 16:06	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2A**

**2080221-02 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.47</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>1.35</b>		NTU	0.500	0.110	1	08/03/22	08/03/22 16:09	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:25	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:25	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:25	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2A**

**2080221-02 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/05/22	08/05/22 15:25	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:25	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:25	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 15:25	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:25	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:25	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
<b>Tetrachloroethene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:25	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %			08/05/22	08/05/22 15:25	
Surrogate: Toluene-d8			75-120	97 %			08/05/22	08/05/22 15:25	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			08/05/22	08/05/22 15:25	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2A**

**2080221-02 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/10/22	08/10/22 22:34	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 22:34	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>20800</b>		ug/L	500	500	1	08/03/22	08/04/22 13:18	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Barium</b>	<b>10.5</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Calcium</b>	<b>4100</b>		ug/L	80.0	80.0	1	08/03/22	08/04/22 13:18	AWH
<b>Chromium</b>	<b>4.65</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Cobalt</b>	<b>4.38</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Copper</b>	<b>3.54</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Iron</b>	<b>103</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:18	AWH
Lead	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Magnesium</b>	<b>2560</b>		ug/L	100	100	1	08/03/22	08/04/22 13:18	AWH
<b>Manganese</b>	<b>29.0</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Mercury</b>	<b>0.211</b>		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:18	AWH
<b>Nickel</b>	<b>3.60</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Potassium</b>	<b>1400</b>		ug/L	100	100	1	08/03/22	08/04/22 13:18	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Sodium</b>	<b>4160</b>		ug/L	100	100	1	08/03/22	08/04/22 13:18	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:18	AWH
<b>Zinc</b>	<b>6.45</b>		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:18	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2A**

**2080221-02 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.08		mg/L	0.02	0.02	1	08/05/22	08/05/22 18:21	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	12.4		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:52	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	78.5		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	3.04		mg/L	0.500	0.500	1	08/02/22	08/02/22 22:50	CRP
Nitrate	0.232		mg/L	0.050	0.050	1	08/02/22	08/02/22 22:50	CRP
Nitrate (as N)	0.052		mg/L	0.011	0.011	1	08/02/22	08/02/22 22:50	CRP
Sulfate	0.3		mg/L	0.3	0.3	1	08/02/22	08/02/22 22:50	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	14.4		mg/L	2.3	2.3	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	50.0		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	26.9		mg/L	5.0	5.0	1	08/09/22	08/09/22 16:14	RP

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2B**

**2080221-03 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter) O-07</b>									
<b>pH</b>	<b>5.45</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>2.14</b>		NTU	0.500	0.110	1	08/03/22	08/03/22 16:10	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:50	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:50	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:50	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2B**

**2080221-03 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/05/22	08/05/22 15:50	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:50	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:50	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 15:50	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:50	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 15:50	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
<b>Tetrachloroethene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 15:50	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %			08/05/22	08/05/22 15:50	
Surrogate: Toluene-d8			75-120	99 %			08/05/22	08/05/22 15:50	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/05/22	08/05/22 15:50	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2B**

**2080221-03 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/10/22	08/10/22 22:49	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 22:49	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>22500</b>		ug/L	500	500	1	08/03/22	08/04/22 13:21	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Barium</b>	<b>13.3</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Calcium</b>	<b>4350</b>		ug/L	80.0	80.0	1	08/03/22	08/04/22 13:21	AWH
<b>Chromium</b>	<b>7.71</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Copper</b>	<b>2.59</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Iron</b>	<b>124</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:21	AWH
Lead	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Magnesium</b>	<b>2820</b>		ug/L	100	100	1	08/03/22	08/04/22 13:21	AWH
<b>Manganese</b>	<b>70.8</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Mercury</b>	<b>0.431</b>		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:21	AWH
<b>Nickel</b>	<b>5.54</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Potassium</b>	<b>1470</b>		ug/L	100	100	1	08/03/22	08/04/22 13:21	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Sodium</b>	<b>4170</b>		ug/L	100	100	1	08/03/22	08/04/22 13:21	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:21	AWH
<b>Zinc</b>	<b>4.75</b>		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:21	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**MW-2B**

**2080221-03 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/05/22	08/05/22 18:21	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	25.5		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:53	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	87.78		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	3.42		mg/L	0.500	0.500	1	08/02/22	08/02/22 23:09	CRP
Nitrate	0.253		mg/L	0.050	0.050	1	08/02/22	08/02/22 23:09	CRP
Nitrate (as N)	0.057		mg/L	0.011	0.011	1	08/02/22	08/02/22 23:09	CRP
Sulfate	0.3		mg/L	0.3	0.3	1	08/02/22	08/02/22 23:09	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	11.9		mg/L	2.3	2.3	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	48.5		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	28.0		mg/L	5.0	5.0	1	08/09/22	08/09/22 16:30	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB102**

**2080221-04 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter) O-07</b>									
<b>pH</b>	<b>7.00</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>35.1</b>		NTU	0.500	0.110	1	08/03/22	08/03/22 16:12	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:14	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:14	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:14	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
<b>Chlorobenzene</b>	<b>3.4</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
<b>1,4-Dichlorobenzene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB102**

**2080221-04 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/05/22	08/05/22 16:14	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:14	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:14	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 16:14	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:14	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:14	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:14	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/05/22		08/05/22 16:14		
Surrogate: Toluene-d8			75-120	97 %	08/05/22		08/05/22 16:14		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/05/22		08/05/22 16:14		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB102**

**2080221-04 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/10/22	08/10/22 23:05	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 23:05	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>619000</b>		ug/L	500	500	1	08/03/22	08/04/22 13:28	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Arsenic</b>	<b>1.31</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Barium</b>	<b>337</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Calcium</b>	<b>98300</b>		ug/L	80.0	80.0	1	08/03/22	08/04/22 13:28	AWH
<b>Chromium</b>	<b>6.87</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Cobalt</b>	<b>67.6</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Copper</b>	<b>65.2</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Iron</b>	<b>1180</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:28	AWH
<b>Lead</b>	<b>1.30</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Magnesium</b>	<b>90700</b>		ug/L	100	100	1	08/03/22	08/04/22 13:28	AWH
<b>Manganese</b>	<b>14100</b>		ug/L	100	100	100	08/03/22	08/04/22 16:04	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:28	AWH
<b>Nickel</b>	<b>88.7</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Potassium</b>	<b>54100</b>		ug/L	100	100	1	08/03/22	08/04/22 13:28	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Sodium</b>	<b>537000</b>		ug/L	1000	1000	10	08/03/22	08/04/22 14:26	AWH
<b>Thallium</b>	<b>1.51</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Vanadium</b>	<b>1.49</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:28	AWH
<b>Zinc</b>	<b>16.3</b>		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:28	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB102**

**2080221-04 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	16.9		mg/L	0.15	0.15	10	08/05/22	08/05/22 18:46	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	142		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:53	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	3.289		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	444		mg/L	0.500	0.500	1	08/02/22	08/02/22 23:27	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/02/22	08/02/22 23:27	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/02/22	08/02/22 23:27	CRP
Sulfate	44.6		mg/L	0.3	0.3	1	08/02/22	08/02/22 23:27	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	45.1		mg/L	3.2	3.2	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1930		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	1160		mg/L	5.0	5.0	1	08/09/22	08/09/22 16:43	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB06**

**2080221-05 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter) O-07</b>									
<b>pH</b>	<b>6.23</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>54.8</b>		NTU	1.00	0.220	2	08/03/22	08/03/22 16:22	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:39	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:39	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:39	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
<b>Chlorobenzene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB06**

**2080221-05 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/05/22	08/05/22 16:39	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:39	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:39	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 16:39	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:39	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 16:39	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 16:39	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/05/22		08/05/22 16:39		
Surrogate: Toluene-d8			75-120	98 %	08/05/22		08/05/22 16:39		
Surrogate: 4-Bromofluorobenzene			75-120	94 %	08/05/22		08/05/22 16:39		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB06**

**2080221-05 (Nonpotable Water)  
Sample Date: 08/02/22**

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	08/10/22	08/10/22 23:21	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 23:21	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>657000</b>		ug/L	5000	5000	10	08/03/22	08/04/22 14:29	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Barium</b>	<b>189</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Calcium</b>	<b>148000</b>		ug/L	800	800	10	08/03/22	08/04/22 14:29	AWH
<b>Chromium</b>	<b>7.58</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Cobalt</b>	<b>4.82</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Copper</b>	<b>7.04</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Iron</b>	<b>565</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:31	AWH
<b>Lead</b>	<b>1.49</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Magnesium</b>	<b>70000</b>		ug/L	1000	1000	10	08/03/22	08/04/22 14:29	AWH
<b>Manganese</b>	<b>615</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Mercury</b>	<b>0.640</b>		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:31	AWH
<b>Nickel</b>	<b>14.6</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Potassium</b>	<b>5090</b>		ug/L	100	100	1	08/03/22	08/04/22 13:31	AWH
<b>Selenium</b>	<b>1.09</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Sodium</b>	<b>159000</b>		ug/L	1000	1000	10	08/03/22	08/04/22 14:29	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:31	AWH
<b>Zinc</b>	<b>15.7</b>		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:31	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB06**

**2080221-05 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:49	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	50.7		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:54	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1805		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	329		mg/L	0.500	0.500	1	08/02/22	08/03/22 00:41	CRP
Nitrate	0.684		mg/L	0.050	0.050	1	08/02/22	08/03/22 00:41	CRP
Nitrate (as N)	0.154		mg/L	0.011	0.011	1	08/02/22	08/03/22 00:41	CRP
Sulfate	97.1		mg/L	0.3	0.3	1	08/02/22	08/03/22 00:41	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	122		mg/L	6.9	6.9	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1030		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	351		mg/L	5.0	5.0	1	08/09/22	08/09/22 16:52	RP

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07**

**2080221-06 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.74</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>12.6</b>		NTU	0.500	0.110	1	08/03/22	08/03/22 16:15	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:04	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:04	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:04	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
<b>cis-1,2-Dichloroethene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07**

**2080221-06 (Nonpotable Water)  
Sample Date: 08/02/22**

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	08/05/22	08/05/22 17:04	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:04	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:04	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 17:04	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:04	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:04	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:04	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/05/22		08/05/22 17:04		
Surrogate: Toluene-d8			75-120	98 %	08/05/22		08/05/22 17:04		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	08/05/22		08/05/22 17:04		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07**

**2080221-06 (Nonpotable Water)  
Sample Date: 08/02/22**

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	08/10/22	08/10/22 23:36	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 23:36	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>594000</b>		ug/L	5000	5000	10	08/03/22	08/04/22 14:31	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Barium</b>	<b>48.2</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Calcium</b>	<b>149000</b>		ug/L	800	800	10	08/03/22	08/04/22 14:31	AWH
<b>Chromium</b>	<b>2.40</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Cobalt</b>	<b>1.09</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Copper</b>	<b>9.53</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Iron</b>	<b>639</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:33	AWH
<b>Lead</b>	<b>1.44</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Magnesium</b>	<b>54100</b>		ug/L	1000	1000	10	08/03/22	08/04/22 14:31	AWH
<b>Manganese</b>	<b>146</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Mercury</b>	<b>0.625</b>		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:33	AWH
<b>Nickel</b>	<b>2.61</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Potassium</b>	<b>5940</b>		ug/L	100	100	1	08/03/22	08/04/22 13:33	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Sodium</b>	<b>29000</b>		ug/L	100	100	1	08/03/22	08/04/22 13:33	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Vanadium</b>	<b>1.86</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:33	AWH
<b>Zinc</b>	<b>8.55</b>		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:33	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07**

**2080221-06 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:49	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	22.4		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:54	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1272		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	235		mg/L	0.500	0.500	1	08/02/22	08/03/22 01:00	CRP
Nitrate	3.12		mg/L	0.050	0.050	1	08/02/22	08/03/22 01:00	CRP
Nitrate (as N)	0.704		mg/L	0.011	0.011	1	08/02/22	08/03/22 01:00	CRP
Sulfate	45.8		mg/L	0.3	0.3	1	08/02/22	08/03/22 01:00	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	23.9		mg/L	2.2	2.2	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	786		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	252		mg/L	5.0	5.0	1	08/09/22	08/09/22 17:01	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07A**

**2080221-07 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.17</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>5.64</b>		NTU	0.500	0.110	1	08/03/22	08/03/22 16:16	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:29	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:29	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:29	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
<b>cis-1,2-Dichloroethene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07A**

**2080221-07 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/05/22	08/05/22 17:29	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:29	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:29	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 17:29	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:29	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:29	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
<b>Tetrachloroethene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:29	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %			08/05/22	08/05/22 17:29	
Surrogate: Toluene-d8			75-120	99 %			08/05/22	08/05/22 17:29	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/05/22	08/05/22 17:29	

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07A**

**2080221-07 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/10/22	08/10/22 23:52	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/10/22 23:52	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>309000</b>		ug/L	500	500	1	08/03/22	08/04/22 13:35	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Barium</b>	<b>74.4</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Calcium</b>	<b>75400</b>		ug/L	80.0	80.0	1	08/03/22	08/04/22 13:35	AWH
<b>Chromium</b>	<b>2.38</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Cobalt</b>	<b>11.5</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Copper</b>	<b>6.28</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Iron</b>	<b>325</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:35	AWH
Lead	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Magnesium</b>	<b>29300</b>		ug/L	100	100	1	08/03/22	08/04/22 13:35	AWH
<b>Manganese</b>	<b>509</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Mercury</b>	<b>0.171</b>		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:35	AWH
<b>Nickel</b>	<b>8.26</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Potassium</b>	<b>4160</b>		ug/L	100	100	1	08/03/22	08/04/22 13:35	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Sodium</b>	<b>24400</b>		ug/L	100	100	1	08/03/22	08/04/22 13:35	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:35	AWH
<b>Zinc</b>	<b>9.53</b>		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:35	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**OB07A**

**2080221-07 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:50	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	17.3		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:55	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	778.5		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	162		mg/L	0.500	0.500	1	08/02/22	08/03/22 01:18	CRP
Nitrate	2.56		mg/L	0.050	0.050	1	08/02/22	08/03/22 01:18	CRP
Nitrate (as N)	0.579		mg/L	0.011	0.011	1	08/02/22	08/03/22 01:18	CRP
Sulfate	8.9		mg/L	0.3	0.3	1	08/02/22	08/03/22 01:18	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	12.5		mg/L	2.2	2.2	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	476		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	125		mg/L	5.0	5.0	1	08/09/22	08/09/22 17:10	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**ST065**

**2080221-08 (Nonpotable Water)**  
**Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter) O-07</b>									
<b>pH</b>	<b>7.67</b>		pH Units			1	08/02/22	08/02/22 18:43	AD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>0.534</b>		NTU	0.500	0.110	1	08/03/22	08/03/22 16:18	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:54	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:54	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:54	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**ST065**

**2080221-08 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/05/22	08/05/22 17:54	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:54	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:54	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 17:54	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:54	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 17:54	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 17:54	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %	08/05/22		08/05/22 17:54		
Surrogate: Toluene-d8			75-120	97 %	08/05/22		08/05/22 17:54		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	08/05/22		08/05/22 17:54		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**ST065**

**2080221-08 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/10/22	08/11/22 00:07	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 00:07	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>189000</b>		ug/L	500	500	1	08/03/22	08/04/22 13:38	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
<b>Barium</b>	<b>50.9</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
<b>Calcium</b>	<b>37800</b>		ug/L	80.0	80.0	1	08/03/22	08/04/22 13:38	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Copper	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
<b>Iron</b>	<b>124</b>		ug/L	100	5.00	1	08/03/22	08/04/22 13:38	AWH
Lead	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
<b>Magnesium</b>	<b>23100</b>		ug/L	100	100	1	08/03/22	08/04/22 13:38	AWH
<b>Manganese</b>	<b>16.5</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/03/22	08/04/22 13:38	AWH
<b>Nickel</b>	<b>3.16</b>		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
<b>Potassium</b>	<b>3750</b>		ug/L	100	100	1	08/03/22	08/04/22 13:38	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Silver	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
<b>Sodium</b>	<b>45500</b>		ug/L	100	100	1	08/03/22	08/04/22 13:38	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/03/22	08/04/22 13:38	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/03/22	08/04/22 13:38	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**ST065**

**2080221-08 (Nonpotable Water)  
Sample Date: 08/02/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:51	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	25.0		mg/L	3.0	3.0	1	08/04/22	08/04/22 14:56	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	620.5		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	134		mg/L	0.500	0.500	1	08/02/22	08/03/22 01:37	CRP
Nitrate	4.19		mg/L	0.050	0.050	1	08/02/22	08/03/22 01:37	CRP
Nitrate (as N)	0.947		mg/L	0.011	0.011	1	08/02/22	08/03/22 01:37	CRP
Sulfate	11.5		mg/L	0.3	0.3	1	08/02/22	08/03/22 01:37	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	ND		mg/L	2.3	2.3	1	08/08/22	08/09/22 14:40	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	368		mg/L	10.0	10.0	1	08/05/22	08/08/22 17:01	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	78.6		mg/L	5.0	5.0	1	08/09/22	08/09/22 17:18	RP

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

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**2080221-09 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/04/22	08/04/22 13:59	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:59	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Benzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:59	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**TRIP BLANK**

**2080221-09 (Nonpotable Water)**  
**Sample Date: 08/02/22**

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	08/04/22	08/04/22 13:59	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:59	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:59	LL
Isobutanol	ND		ug/L	100	100	1	08/04/22	08/04/22 13:59	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:59	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:59	LL
Styrene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Toluene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:59	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		108 %			08/04/22	08/04/22 13:59	
Surrogate: Toluene-d8		75-120		99 %			08/04/22	08/04/22 13:59	
Surrogate: 4-Bromofluorobenzene		75-120		97 %			08/04/22	08/04/22 13:59	

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Will Brewington, President

1500 Caton Center Dr Suite G  
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 www.mdspectral.com  
 MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

**Reported:**  
 08/12/22 10:23

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208054 - pH (Paper or Meter)**

Reference (B208054-SRM1)

Prepared & Analyzed: 08/02/22

pH	7.01			pH Units	7.003		100	99.93-100.07		
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Will Brewington, President

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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208081 - Turbidity Prep (EPA 180.1)**

**Blank (B208081-BLK1)**

Prepared & Analyzed: 08/03/22

Turbidity	ND		0.500	NTU						
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**Duplicate (B208081-DUP1)**

Source: 2080221-01

Prepared & Analyzed: 08/03/22

Turbidity	15.5		0.500	NTU	14.9				4	30
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Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

**Blank (B208100-BLK1)**

Prepared & Analyzed: 08/04/22

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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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

**Blank (B208100-BLK1)**

Prepared & Analyzed: 08/04/22

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						
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	53.15			ug/L	50.00		106	70-130		
Surrogate: Toluene-d8	48.86			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	48.47			ug/L	50.00		97	75-120		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

**LCS (B208100-BS1)**

Prepared & Analyzed: 08/04/22

Acetone	9.1		5.0	ug/L	10.00		91	50-150		
Acrylonitrile	5.2		5.0	ug/L	5.000		105	50-150		
Benzene	5.2		1.0	ug/L	5.000		103	50-150		
Bromochloromethane	5.4		1.0	ug/L	5.000		109	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.000		103	50-150		
Bromoform	4.9		1.0	ug/L	5.000		98	50-150		
Bromomethane	5.5		1.0	ug/L	5.000		109	50-150		
2-Butanone (MEK)	10.6		5.0	ug/L	10.00		106	50-150		
Carbon disulfide	5.5		1.0	ug/L	5.000		111	50-150		
Carbon tetrachloride	5.1		1.0	ug/L	5.000		102	50-150		
Chlorobenzene	5.1		1.0	ug/L	5.000		102	50-150		
Chloroethane	5.2		1.0	ug/L	5.000		103	50-150		
Chloroform	5.1		1.0	ug/L	5.000		103	50-150		
Chloromethane	5.3		1.0	ug/L	5.000		106	50-150		
Dibromochloromethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dibromo-3-chloropropane	5.8		1.0	ug/L	5.000		117	50-150		
1,2-Dibromoethane (EDB)	4.9		1.0	ug/L	5.000		98	50-150		
Dibromomethane	4.9		1.0	ug/L	5.000		98	50-150		
1,2-Dichlorobenzene	5.6		1.0	ug/L	5.000		113	50-150		
1,4-Dichlorobenzene	6.0		1.0	ug/L	5.000		120	50-150		
1,1-Dichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
1,2-Dichloroethane	5.2		1.0	ug/L	5.000		105	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.000		99	50-150		
cis-1,2-Dichloroethene	5.3		1.0	ug/L	5.000		106	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.000		101	50-150		
1,2-Dichloropropane	4.9		1.0	ug/L	5.000		98	50-150		
1,3-Dichloropropane	5.1		1.0	ug/L	5.000		101	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.000		106	50-150		
1,1-Dichloropropene	4.9		1.0	ug/L	5.000		99	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		94	50-150		
trans-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		93	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

**LCS (B208100-BS1)**

Prepared & Analyzed: 08/04/22

Ethylbenzene	5.3		1.0	ug/L	5.000		107	50-150		
2-Hexanone	10.8		5.0	ug/L	10.00		108	50-150		
Methyl tert-butyl ether (MTBE)	5.0		1.0	ug/L	5.000		99	50-150		
4-Methyl-2-pentanone	10.3		5.0	ug/L	10.00		103	50-150		
Methylene chloride	5.7		1.0	ug/L	5.000		114	0-200		
Methyl methacrylate	5.1		5.0	ug/L	5.000		102	50-150		
Styrene	5.0		1.0	ug/L	5.000		100	50-150		
1,1,1,2-Tetrachloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,1,2,2-Tetrachloroethane	5.1		1.0	ug/L	5.000		101	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.000		98	50-150		
Toluene	5.0		1.0	ug/L	5.000		100	50-150		
1,1,1-Trichloroethane	5.2		1.0	ug/L	5.000		103	50-150		
1,1,2-Trichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
Trichloroethene	4.8		1.0	ug/L	5.000		96	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.000		103	50-150		
1,2,3-Trichloropropane	5.6		1.0	ug/L	5.000		113	50-150		
Vinyl acetate	3.0		1.0	ug/L	5.000		59	50-150		
Vinyl chloride	5.3		1.0	ug/L	5.000		105	50-150		
o-Xylene	5.1		1.0	ug/L	5.000		103	50-150		
m- & p-Xylenes	10.4		1.0	ug/L	10.00		104	50-150		
Surrogate: 1,2-Dichloroethane-d4	51.60			ug/L	50.00		103	70-130		
Surrogate: Toluene-d8	49.45			ug/L	50.00		99	75-120		
Surrogate: 4-Bromofluorobenzene	50.24			ug/L	50.00		100	75-120		

**Duplicate (B208100-DUP1)**

Source: 2080211-01

Prepared & Analyzed: 08/04/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

Duplicate (B208100-DUP1)	Source: 2080211-01	Prepared & Analyzed: 08/04/22
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
Isobutanol	ND	100 ug/L

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208100-DUP1)</b>		<b>Source: 2080211-01</b>			<b>Prepared &amp; Analyzed: 08/04/22</b>		
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	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	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
Vinyl chloride	ND		1.0	ug/L	ND		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>54.11</i>			<i>ug/L</i>	<i>50.00</i>	<i>108</i>	<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>49.12</i>			<i>ug/L</i>	<i>50.00</i>	<i>98</i>	<i>75-120</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.33</i>			<i>ug/L</i>	<i>50.00</i>	<i>97</i>	<i>75-120</i>

<b>Matrix Spike (B208100-MS1)</b>		<b>Source: 2080311-01</b>			<b>Prepared &amp; Analyzed: 08/04/22</b>			
Acetone	10.7		5.0	ug/L	10.00	1.1	96	60-120
Acrylonitrile	10.6		5.0	ug/L	10.00	ND	106	0-200
Benzene	11.0		1.0	ug/L	10.00	ND	110	60-120
Bromochloromethane	10.9		1.0	ug/L	10.00	ND	109	60-120
Bromodichloromethane	10.7		1.0	ug/L	10.00	ND	107	60-120
Bromoform	10.5		1.0	ug/L	10.00	ND	105	60-120
Bromomethane	10.6		1.0	ug/L	10.00	ND	106	60-120
2-Butanone (MEK)	10.5		5.0	ug/L	10.00	ND	105	60-120

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.



Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

Matrix Spike (B208100-MS1)	Source: 2080311-01			Prepared & Analyzed: 08/04/22						
Carbon disulfide	11.4		1.0	ug/L	10.00	ND	114	60-120		
Carbon tetrachloride	11.1		1.0	ug/L	10.00	ND	111	60-120		
Chlorobenzene	10.8		1.0	ug/L	10.00	ND	108	60-120		
Chloroethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Chloroform	11.4		1.0	ug/L	10.00	ND	114	60-120		
Chloromethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	9.9		1.0	ug/L	10.00	ND	99	60-120		
1,2-Dibromoethane (EDB)	10.1		1.0	ug/L	10.00	ND	101	60-120		
Dibromomethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
1,2-Dichlorobenzene	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,4-Dichlorobenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1-Dichloroethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
1,2-Dichloroethane	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1-Dichloroethene	11.0		1.0	ug/L	10.00	ND	110	60-120		
cis-1,2-Dichloroethene	11.0		1.0	ug/L	10.00	ND	110	60-120		
trans-1,2-Dichloroethene	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dichloropropane	11.3		1.0	ug/L	10.00	ND	113	60-120		
1,3-Dichloropropane	10.3		1.0	ug/L	10.00	ND	103	60-120		
2,2-Dichloropropane	9.3		1.0	ug/L	10.00	ND	93	60-120		
1,1-Dichloropropene	10.7		1.0	ug/L	10.00	ND	107	60-120		
cis-1,3-Dichloropropene	9.7		1.0	ug/L	10.00	ND	97	60-120		
trans-1,3-Dichloropropene	9.9		1.0	ug/L	10.00	ND	99	60-120		
Ethylbenzene	11.2		1.0	ug/L	10.00	ND	112	60-120		
2-Hexanone	9.8		5.0	ug/L	10.00	ND	98	60-120		
Methyl tert-butyl ether (MTBE)	10.3		1.0	ug/L	10.00	ND	103	60-120		
4-Methyl-2-pentanone	9.9		5.0	ug/L	10.00	ND	99	60-120		
Methylene chloride	10.0		1.0	ug/L	10.00	ND	100	60-120		
Methyl methacrylate	9.6		5.0	ug/L	10.00	ND	96	60-120		
Styrene	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,1,1,2-Tetrachloroethane	10.1		1.0	ug/L	10.00	ND	101	60-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208100 - GCMS-WATER-VOLATILES**

Matrix Spike (B208100-MS1)	Source: 2080311-01	Prepared & Analyzed: 08/04/22
1,1,2,2-Tetrachloroethane	10.8	1.0 ug/L 10.00 ND 108 60-120
Tetrachloroethene	10.8	1.0 ug/L 10.00 ND 108 60-120
Toluene	11.0	1.0 ug/L 10.00 ND 110 60-120
1,1,1-Trichloroethane	10.9	1.0 ug/L 10.00 ND 109 60-120
1,1,2-Trichloroethane	10.3	1.0 ug/L 10.00 ND 103 60-120
Trichloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
Trichlorofluoromethane (Freon 11)	11.4	1.0 ug/L 10.00 ND 114 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.00 ND 101 60-120
Vinyl acetate	8.7	1.0 ug/L 10.00 ND 87 60-120
Vinyl chloride	11.8	1.0 ug/L 10.00 ND 118 60-120
o-Xylene	10.5	1.0 ug/L 10.00 ND 105 60-120
m- & p-Xylenes	22.4	1.0 ug/L 20.00 ND 112 60-120
Surrogate: 1,2-Dichloroethane-d4	50.57	ug/L 50.00 101 70-130
Surrogate: Toluene-d8	49.30	ug/L 50.00 99 75-120
Surrogate: 4-Bromofluorobenzene	50.10	ug/L 50.00 100 75-120

**Batch B208128 - GCMS-WATER-VOLATILES**

Blank (B208128-BLK1)	Prepared & Analyzed: 08/05/22
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

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

**Blank (B208128-BLK1)**

Prepared & Analyzed: 08/05/22

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						
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						

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

**Blank (B208128-BLK1)**

Prepared & Analyzed: 08/05/22

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	53.70			ug/L	50.00		107	70-130		
Surrogate: Toluene-d8	49.19			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	47.91			ug/L	50.00		96	75-120		

**LCS (B208128-BS1)**

Prepared & Analyzed: 08/05/22

Acetone	9.3		5.0	ug/L	10.00		93	50-150		
Acrylonitrile	4.9	J	5.0	ug/L	5.000		99	50-150		
Benzene	5.4		1.0	ug/L	5.000		108	50-150		
Bromochloromethane	5.0		1.0	ug/L	5.000		100	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.000		104	50-150		
Bromoform	4.7		1.0	ug/L	5.000		95	50-150		
Bromomethane	5.7		1.0	ug/L	5.000		114	50-150		
2-Butanone (MEK)	9.5		5.0	ug/L	10.00		95	50-150		
Carbon disulfide	5.6		1.0	ug/L	5.000		112	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.000		100	50-150		
Chlorobenzene	5.4		1.0	ug/L	5.000		108	50-150		
Chloroethane	5.0		1.0	ug/L	5.000		101	50-150		
Chloroform	5.1		1.0	ug/L	5.000		101	50-150		
Chloromethane	5.5		1.0	ug/L	5.000		109	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

**LCS (B208128-BS1)**

Prepared & Analyzed: 08/05/22

Dibromochloromethane	4.6		1.0	ug/L	5.000		92	50-150		
1,2-Dibromo-3-chloropropane	5.3		1.0	ug/L	5.000		105	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.2		1.0	ug/L	5.000		103	50-150		
1,2-Dichlorobenzene	5.7		1.0	ug/L	5.000		114	50-150		
1,4-Dichlorobenzene	5.7		1.0	ug/L	5.000		114	50-150		
1,1-Dichloroethane	4.9		1.0	ug/L	5.000		99	50-150		
1,2-Dichloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,1-Dichloroethene	5.0		1.0	ug/L	5.000		100	50-150		
cis-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.000		99	50-150		
1,2-Dichloropropane	5.1		1.0	ug/L	5.000		101	50-150		
1,3-Dichloropropane	4.7		1.0	ug/L	5.000		94	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
1,1-Dichloropropene	5.1		1.0	ug/L	5.000		101	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		90	50-150		
trans-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		91	50-150		
Ethylbenzene	5.2		1.0	ug/L	5.000		105	50-150		
2-Hexanone	10.5		5.0	ug/L	10.00		105	50-150		
Methyl tert-butyl ether (MTBE)	4.7		1.0	ug/L	5.000		93	50-150		
4-Methyl-2-pentanone	10.1		5.0	ug/L	10.00		101	50-150		
Methylene chloride	5.2		1.0	ug/L	5.000		103	0-200		
Methyl methacrylate	4.2	J	5.0	ug/L	5.000		84	50-150		
Styrene	4.9		1.0	ug/L	5.000		97	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.000		94	50-150		
1,1,2,2-Tetrachloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.000		99	50-150		
Toluene	5.0		1.0	ug/L	5.000		100	50-150		
1,1,1-Trichloroethane	5.3		1.0	ug/L	5.000		107	50-150		
1,1,2-Trichloroethane	4.5		1.0	ug/L	5.000		90	50-150		
Trichloroethene	4.7		1.0	ug/L	5.000		94	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

**LCS (B208128-BS1)**

Prepared & Analyzed: 08/05/22

Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.000		104	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
Vinyl acetate	3.8		1.0	ug/L	5.000		76	50-150		
Vinyl chloride	5.8		1.0	ug/L	5.000		117	50-150		
o-Xylene	4.7		1.0	ug/L	5.000		94	50-150		
m- & p-Xylenes	10.1		1.0	ug/L	10.00		101	50-150		
Surrogate: 1,2-Dichloroethane-d4	52.57			ug/L	50.00		105	70-130		
Surrogate: Toluene-d8	49.09			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	49.72			ug/L	50.00		99	75-120		

**Duplicate (B208128-DUP1)**

Source: 2080221-01

Prepared & Analyzed: 08/05/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

Duplicate (B208128-DUP1)	Source: 2080221-01	Prepared & Analyzed: 08/05/22		
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	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	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	ND	1.0 ug/L	ND	20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L	ND	20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208128-DUP1)</b>		<b>Source: 2080221-01</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>					
1,2,3-Trichloropropane	ND		1.0	ug/L		ND				20
Vinyl acetate	ND		1.0	ug/L		ND				20
Vinyl chloride	ND		1.0	ug/L		ND				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	53.47			ug/L	50.00		107	70-130		
Surrogate: Toluene-d8	49.18			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	49.06			ug/L	50.00		98	75-120		

<b>Matrix Spike (B208128-MS1)</b>		<b>Source: 2080221-02</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>					
Acetone	11.8		5.0	ug/L	10.00	ND	118	60-120		
Acrylonitrile	10.2		5.0	ug/L	10.00	ND	102	0-200		
Benzene	11.0		1.0	ug/L	10.00	ND	110	60-120		
Bromochloromethane	9.8		1.0	ug/L	10.00	ND	98	60-120		
Bromodichloromethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
Bromoform	10.2		1.0	ug/L	10.00	ND	102	60-120		
Bromomethane	9.1		1.0	ug/L	10.00	ND	91	60-120		
2-Butanone (MEK)	9.4		5.0	ug/L	10.00	ND	94	60-120		
Carbon disulfide	11.2		1.0	ug/L	10.00	ND	112	60-120		
Carbon tetrachloride	10.6		1.0	ug/L	10.00	ND	106	60-120		
Chlorobenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
Chloroethane	11.1		1.0	ug/L	10.00	ND	111	60-120		
Chloroform	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloromethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	8.7		1.0	ug/L	10.00	ND	87	60-120		
1,2-Dibromoethane (EDB)	9.4		1.0	ug/L	10.00	ND	94	60-120		
Dibromomethane	9.6		1.0	ug/L	10.00	ND	96	60-120		
1,2-Dichlorobenzene	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,4-Dichlorobenzene	9.8		1.0	ug/L	10.00	ND	98	60-120		
1,1-Dichloroethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
1,2-Dichloroethane	9.9		1.0	ug/L	10.00	ND	99	60-120		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

Matrix Spike (B208128-MS1)	Source: 2080221-02		Prepared & Analyzed: 08/05/22							
1,1-Dichloroethene	10.5	1.0	ug/L	10.00	ND	105	60-120			
cis-1,2-Dichloroethene	10.6	1.0	ug/L	10.00	ND	106	60-120			
trans-1,2-Dichloroethene	10.0	1.0	ug/L	10.00	ND	100	60-120			
1,2-Dichloropropane	10.5	1.0	ug/L	10.00	ND	105	60-120			
1,3-Dichloropropane	10.1	1.0	ug/L	10.00	ND	101	60-120			
2,2-Dichloropropane	8.9	1.0	ug/L	10.00	ND	89	60-120			
1,1-Dichloropropene	10.7	1.0	ug/L	10.00	ND	107	60-120			
cis-1,3-Dichloropropene	9.1	1.0	ug/L	10.00	ND	91	60-120			
trans-1,3-Dichloropropene	9.3	1.0	ug/L	10.00	ND	93	60-120			
Ethylbenzene	11.1	1.0	ug/L	10.00	ND	111	60-120			
2-Hexanone	9.4	5.0	ug/L	10.00	ND	94	60-120			
Methyl tert-butyl ether (MTBE)	9.6	1.0	ug/L	10.00	ND	96	60-120			
4-Methyl-2-pentanone	9.1	5.0	ug/L	10.00	ND	91	60-120			
Methylene chloride	10.1	1.0	ug/L	10.00	ND	101	60-120			
Methyl methacrylate	9.0	5.0	ug/L	10.00	ND	90	60-120			
Styrene	10.1	1.0	ug/L	10.00	ND	101	60-120			
1,1,1,2-Tetrachloroethane	10.1	1.0	ug/L	10.00	ND	101	60-120			
1,1,2,2-Tetrachloroethane	9.9	1.0	ug/L	10.00	ND	99	60-120			
Tetrachloroethene	11.6	1.0	ug/L	10.00	1.1	106	60-120			
Toluene	10.4	1.0	ug/L	10.00	ND	104	60-120			
1,1,1-Trichloroethane	10.6	1.0	ug/L	10.00	ND	106	60-120			
1,1,2-Trichloroethane	9.9	1.0	ug/L	10.00	ND	99	60-120			
Trichloroethene	10.0	1.0	ug/L	10.00	ND	100	60-120			
Trichlorofluoromethane (Freon 11)	11.4	1.0	ug/L	10.00	ND	114	60-120			
1,2,3-Trichloropropane	9.9	1.0	ug/L	10.00	ND	99	60-120			
Vinyl acetate	8.2	1.0	ug/L	10.00	ND	82	60-120			
Vinyl chloride	11.1	1.0	ug/L	10.00	ND	111	60-120			
o-Xylene	10.2	1.0	ug/L	10.00	ND	102	60-120			
m- & p-Xylenes	21.6	1.0	ug/L	20.00	ND	108	60-120			
Surrogate: 1,2-Dichloroethane-d4	50.44		ug/L	50.00		101	70-130			
Surrogate: Toluene-d8	49.61		ug/L	50.00		99	75-120			

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Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208128 - GCMS-WATER-VOLATILES**

**Matrix Spike (B208128-MS1)**

**Source: 2080221-02**

Prepared & Analyzed: 08/05/22

Surrogate: 4-Bromofluorobenzene	51.01			ug/L	50.00		102	75-120		
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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208224 - 504.1 EDB/DBCP</b>										
<b>Blank (B208224-BLK1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208224-BLK2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208224-BS1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	0.110		0.050	ug/L	0.1000		110	70-130		
1,2-Dibromoethane (EDB)	0.139	S-98	0.020	ug/L	0.1000		139	70-130		
<b>LCS (B208224-BS2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	0.121		0.050	ug/L	0.1000		121	70-130		
1,2-Dibromoethane (EDB)	0.159	S-98	0.020	ug/L	0.1000		159	70-130		
<b>Matrix Spike (B208224-MS1)</b>			<b>Source: 2080110-01</b>			Prepared & Analyzed: 08/10/22				
1,2-Dibromo-3-chloropropane	0.212		0.047	ug/L	0.1897	ND	112	70-130		
1,2-Dibromoethane (EDB)	0.236		0.019	ug/L	0.1897	ND	124	70-130		
<b>Matrix Spike (B208224-MS2)</b>			<b>Source: 2080221-01</b>			Prepared: 08/10/22 Analyzed: 08/11/22				
1,2-Dibromo-3-chloropropane	0.242		0.048	ug/L	0.1923	ND	126	70-130		
1,2-Dibromoethane (EDB)	0.270	S-98	0.019	ug/L	0.1923	ND	140	70-130		
<b>Reference (B208224-SRM1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	0.023		0.050	ug/L	0.04000		58	50-150		
1,2-Dibromoethane (EDB)	0.040		0.020	ug/L	0.04000		99	50-150		
<b>Reference (B208224-SRM2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	0.024		0.050	ug/L	0.04000		60	50-150		
1,2-Dibromoethane (EDB)	0.053		0.020	ug/L	0.04000		132	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208082 - 3010A-Metals Digestion**

**Blank (B208082-BLK1)**

Prepared: 08/03/22 Analyzed: 08/04/22

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 (B208082-BS1)**

Prepared: 08/03/22 Analyzed: 08/04/22

Antimony	48.9		1.00	ug/L	50.00		98	80-120		
Arsenic	51.3		1.00	ug/L	50.00		103	80-120		
Barium	50.2		1.00	ug/L	50.00		100	80-120		
Beryllium	51.1		1.00	ug/L	50.00		102	80-120		
Cadmium	51.0		1.00	ug/L	50.00		102	80-120		
Calcium	5030		80.0	ug/L	5000		101	80-120		
Chromium	51.4		1.00	ug/L	50.00		103	80-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208082 - 3010A-Metals Digestion**

**LCS (B208082-BS1)**

Prepared: 08/03/22 Analyzed: 08/04/22

Cobalt	52.9		1.00	ug/L	50.00		106	80-120		
Copper	53.8		1.00	ug/L	50.00		108	80-120		
Iron	5270		100	ug/L	5000		105	80-120		
Lead	49.7		1.00	ug/L	50.00		99	80-120		
Magnesium	5450		100	ug/L	5000		109	80-120		
Manganese	51.2		1.00	ug/L	50.00		102	80-120		
Mercury	2.43		0.100	ug/L	2.500		97	80-120		
Nickel	52.0		1.00	ug/L	50.00		104	80-120		
Potassium	5200		100	ug/L	5000		104	80-120		
Selenium	51.1		1.00	ug/L	50.00		102	80-120		
Silver	48.1		1.00	ug/L	50.00		96	80-120		
Sodium	5380		100	ug/L	5000		108	80-120		
Thallium	49.4		1.00	ug/L	50.00		99	80-120		
Vanadium	49.8		1.00	ug/L	50.00		100	80-120		
Zinc	104		4.00	ug/L	100.0		104	80-120		

**Duplicate (B208082-DUP1)**

Source: 2080221-01

Prepared: 08/03/22 Analyzed: 08/04/22

Hardness as CaCO3	32000		500	ug/L		33000			3	200
Antimony	ND		1.00	ug/L		ND				20
Arsenic	ND		1.00	ug/L		ND				20
Barium	3.23		1.00	ug/L		3.41			5	20
Beryllium	ND		1.00	ug/L		ND				20
Cadmium	ND		1.00	ug/L		ND				20
Calcium	5810		80.0	ug/L		5920			2	20
Chromium	22.4		1.00	ug/L		21.9			2	20
Cobalt	1.49		1.00	ug/L		1.43			4	20
Copper	4.71		1.00	ug/L		4.56			3	20
Iron	1570		100	ug/L		1340			16	20
Lead	ND		1.00	ug/L		ND				20
Magnesium	4250		100	ug/L		4420			4	20
Manganese	37.2		1.00	ug/L		32.7			13	20
Mercury	ND		0.100	ug/L		ND				20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208082 - 3010A-Metals Digestion**

Duplicate (B208082-DUP1)	Source: 2080221-01	Prepared: 08/03/22	Analyzed: 08/04/22			
Nickel	18.3	1.00	ug/L	16.7	9	20
Potassium	1250	100	ug/L	1260	0.9	20
Selenium	ND	1.00	ug/L	ND		20
Silver	ND	1.00	ug/L	ND		20
Sodium	7640	100	ug/L	7790	2	20
Thallium	ND	1.00	ug/L	ND		20
Vanadium	2.45	1.00	ug/L	2.38	3	20
Zinc	9.83	4.00	ug/L	8.97	9	20

Matrix Spike (B208082-MS1)	Source: 2080221-01	Prepared: 08/03/22	Analyzed: 08/04/22				
Antimony	49.6	1.00	ug/L	50.00	ND	99	75-125
Arsenic	51.8	1.00	ug/L	50.00	ND	104	75-125
Barium	55.3	1.00	ug/L	50.00	3.41	104	75-125
Beryllium	51.3	1.00	ug/L	50.00	ND	103	75-125
Cadmium	51.8	1.00	ug/L	50.00	ND	104	75-125
Calcium	10900	80.0	ug/L	5000	5920	100	75-125
Chromium	80.2	1.00	ug/L	50.00	21.9	117	75-125
Cobalt	54.8	1.00	ug/L	50.00	1.43	107	75-125
Copper	58.0	1.00	ug/L	50.00	4.56	107	75-125
Iron	6660	100	ug/L	5000	1340	106	75-125
Lead	50.9	1.00	ug/L	50.00	ND	102	75-125
Magnesium	9700	100	ug/L	5000	4420	106	75-125
Manganese	84.8	1.00	ug/L	50.00	32.7	104	75-125
Mercury	2.34	0.100	ug/L	2.500	ND	94	75-125
Nickel	70.8	1.00	ug/L	50.00	16.7	108	75-125
Potassium	6590	100	ug/L	5000	1260	107	75-125
Selenium	50.6	1.00	ug/L	50.00	ND	101	75-125
Silver	49.1	1.00	ug/L	50.00	ND	98	75-125
Sodium	12900	100	ug/L	5000	7790	102	75-125
Thallium	50.2	1.00	ug/L	50.00	ND	100	75-125
Vanadium	52.9	1.00	ug/L	50.00	2.38	101	75-125
Zinc	113	4.00	ug/L	100.0	8.97	104	75-125

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208134 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208134-BLK1)</b>					Prepared & Analyzed: 08/05/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208134-BS1)</b>					Prepared & Analyzed: 08/05/22					
Ammonia as N	0.24		0.02	mg/L	0.2500		96	80-120		
<b>Duplicate (B208134-DUP1)</b>					Source: 2080221-01 Prepared & Analyzed: 08/05/22					
Ammonia as N	0.04		0.02	mg/L		0.04			11	200
<b>Matrix Spike (B208134-MS1)</b>					Source: 2080221-01 Prepared & Analyzed: 08/05/22					
Ammonia as N	0.31		0.02	mg/L	0.2500	0.04	109	80-120		
<b>Batch B208165 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208165-BLK1)</b>					Prepared & Analyzed: 08/08/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208165-BS1)</b>					Prepared & Analyzed: 08/08/22					
Ammonia as N	0.26		0.02	mg/L	0.2500		103	80-120		
<b>Duplicate (B208165-DUP1)</b>					Source: 2080324-01 Prepared & Analyzed: 08/08/22					
Ammonia as N	0.04		0.02	mg/L		0.04			5	200
<b>Matrix Spike (B208165-MS1)</b>					Source: 2080324-01 Prepared & Analyzed: 08/08/22					
Ammonia as N	0.28		0.02	mg/L	0.2500	0.04	95	80-120		

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**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 B208103 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208103-BLK1)</b>					Prepared & Analyzed: 08/04/22					
COD	ND		3.0	mg/L						
<b>LCS (B208103-BS1)</b>					Prepared & Analyzed: 08/04/22					
COD	49.8		3.0	mg/L	50.00		100	90-110		
<b>Duplicate (B208103-DUP1)</b>					Source: 2080221-01		Prepared & Analyzed: 08/04/22			
COD	12.8		3.0	mg/L		11.9			7	20
<b>Matrix Spike (B208103-MS1)</b>					Source: 2080221-01		Prepared & Analyzed: 08/04/22			
COD	61.8		3.0	mg/L	50.00	11.9	100	90-110		



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**Conductivity by SM2510 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208131 - Conductivity (SM 2510B)</b>										
<b>Duplicate (B208131-DUP1)</b>			<b>Source: 2080221-01</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>				
Conductivity	99.41			uS/cm		101.3			2	20
<b>Duplicate (B208131-DUP2)</b>			<b>Source: 2080324-03</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>				
Conductivity	96.75			uS/cm		97.97			1	20
<b>Duplicate (B208131-DUP3)</b>			<b>Source: 2080417-05</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>				
Conductivity	473			uS/cm		476.6			0.8	20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208056 - 300.0 Anions Prep**

**Blank (B208056-BLK1)**

Prepared & Analyzed: 08/02/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208056-BS1)**

Prepared & Analyzed: 08/02/22

Chloride	4.06		0.525	mg/L	4.000		101	90-110		
Nitrate	3.79		0.053	mg/L	4.000		95	90-110		
Nitrate (as N)	0.856		0.012	mg/L				90-110		
Sulfate	4.0		0.3	mg/L	4.000		101	90-110		

**Duplicate (B208056-DUP1)**

Source: 2080221-01

Prepared & Analyzed: 08/02/22

Chloride	2.24		0.500	mg/L		2.22			0.6	20
Nitrate	0.867		0.050	mg/L		0.855			1	200
Nitrate (as N)	0.196		0.011	mg/L		0.193			1	200
Sulfate	ND		0.3	mg/L		ND				20

**Matrix Spike (B208056-MS1)**

Source: 2080221-01

Prepared & Analyzed: 08/02/22

Chloride	6.36		0.525	mg/L	4.000	2.22	103	80-120		
Nitrate	4.78		0.053	mg/L	4.000	0.855	98	80-120		
Nitrate (as N)	1.08		0.012	mg/L		0.193		80-120		
Sulfate	3.8		0.3	mg/L	4.000	ND	96	80-120		

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Will Brewington, President

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

Reported:  
08/12/22 10:23

**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 B208166 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208166-BLK1)</b>					Prepared: 08/08/22 Analyzed: 08/09/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208166-BS1)</b>					Prepared: 08/08/22 Analyzed: 08/09/22					
Solids, Suspended	57.3		2.5	mg/L	60.80		94	70-130		
<b>Duplicate (B208166-DUP1)</b>			<b>Source: 2080211-01</b>			Prepared: 08/08/22 Analyzed: 08/09/22				
Solids, Suspended	ND		4.5	mg/L		ND				20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208135 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208135-BLK1)</b>					Prepared: 08/05/22 Analyzed: 08/08/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208135-BS1)</b>					Prepared: 08/05/22 Analyzed: 08/08/22					
Solids, Dissolved	727		10.0	mg/L	776.5		94	90-110		
<b>Duplicate (B208135-DUP1)</b>			<b>Source: 2080110-01</b>			Prepared: 08/05/22 Analyzed: 08/08/22				
Solids, Dissolved	290		10.0	mg/L		293			0.9	20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 846489 - SM 2320B</b>										
<b>BLANK (4655914)</b>					Prepared & Analyzed: 08/09/22					
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4655915)</b>					Prepared & Analyzed: 08/09/22					
Alkalinity, Total as CaCO3	101%		5.0	mg/L	250		101	90-110		
<b>DUP (4655917)</b>			<b>Source: 2080221-02</b>			Prepared & Analyzed: 08/09/22				
Alkalinity, Total as CaCO3	27.1		5.0	mg/L		26.9		-	1	20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 10:23

**Notes and Definitions**

- S-98 Spike recovery outside of established control limits.
- O-07 This sample was received outside of the EPA recommended holding time.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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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Will Brewington, President

# CHAIN-OF-CUSTODY RECORD

<b>Company Name:</b> EA Engineering		<b>Project Manager:</b> Laura Oakes		<b>Analysis Requested</b>				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 2080221-01							
<b>Project Name:</b> GUDE Landfill		Project ID: 155604		Project Manager: Laura Oakes		8260LL VOC and 8011*		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Conductivity, pH		Suspended Solids		COD		Ammonia-Nitrogen	
<b>Sampler(s):</b> H. Flowers, M. Kraham		P.O. Number:		No. of Containers		8260LL VOC and 8011*		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Conductivity, pH		Suspended Solids		COD		Ammonia-Nitrogen	
Field Sample ID		Date		Time		Water		Soil		Other		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		Matrix Codes: NW (non-potable water) PW (potable water)	
MW-1B		8/2/22		820		X						X				X	
MW-2A		8/2/22		955		X										- 02	
MW-2B		8/2/22		1102		X										- 03	
OB102		8/2/22		1210		X										- 04	
OB06		8/2/22		1305		X										- 05	
OB07		8/2/22		1405		X										- 06	
OB07A		8/2/22		1440		X										- 07	
ST065		8/2/22		1510		X										- 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) <i>Hannah Flowers</i> (Printed)		Date/Time 8/2/22		Received by: (Signature) (Printed)		Date/Time 4:41pm		Received by: (Signature) (Printed)	
Relinquished by: (Signature) (Printed)		Date/Time 8-2-22		Received by Lab: (Signature) (Printed)		Date/Time 16:41		Lab Use: Temp: _____ °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	
Delivery Method: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Special Instructions/OC Requirements & Comments: Turn Around Time: <input 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					

WO#: 35736648



35736648

SUBCONTRACT ORDER  
Maryland Spectral Services

2080221

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:

Pace Labs-FL  
8 East Tower Circle  
Ormond Beach, FL 32174  
Phone: (386) 672-5668  
Fax:

Due 4:00 PM 08/11/22

Laboratory ID

Comments

Sample ID: 2080221-01 MW-1B

Water

Sampled: 08/02/22 08:20

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2080221-02 MW-2A

Water

Sampled: 08/02/22 09:55

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2080221-03 MW-2B

Water

Sampled: 08/02/22 11:02

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2080221-04 OB102

Water

Sampled: 08/02/22 12:10

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Released By: [Signature] Date: 8-3-22  
 Received By: TS/Pace Date: 8-3-22  
 Released By: TS/Pace Date: 8-3-22  
 Received By: [Signature] Date: 8/4/22

SUBCONTRACT ORDER  
 Maryland Spectral Services  
 2080221

Due 4:00 PM 08/11/22

Laboratory ID

Comments

Sample ID: 2080221-05 OB06

Water

Sampled: 08/02/22 13:05

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

Sample ID: 2080221-06 OB07

Water

Sampled: 08/02/22 14:05

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

Sample ID: 2080221-07 OB07A

Water

Sampled: 08/02/22 14:40

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

Sample ID: 2080221-08 ST065

Water

Sampled: 08/02/22 15:10

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

12:20

8-3-22 12:24

TB/Pace

Received By Date

Date

8-3-22

TB/Pace

8/4/22

1135

Date

Received By

16:17

12 August 2022

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 08/03/22 16:28.

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,



Will Brewington  
President



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

**Reported:**  
 08/12/22 15:20

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ST80		2080324-01	Nonpotable Water	08/03/22 07:50	08/03/22 16:28
MW-3A		2080324-02	Nonpotable Water	08/03/22 08:55	08/03/22 16:28
MW-3B		2080324-03	Nonpotable Water	08/03/22 10:00	08/03/22 16:28
OBO8		2080324-04	Nonpotable Water	08/03/22 11:20	08/03/22 16:28
OBO8A		2080324-05	Nonpotable Water	08/03/22 12:30	08/03/22 16:28
MW-24A		2080324-06	Nonpotable Water	08/03/22 14:35	08/03/22 16:28
MW-24B		2080324-07	Nonpotable Water	08/03/22 13:35	08/03/22 16:28
OB40		2080324-08	Nonpotable Water	08/03/22 00:00	08/03/22 16:28
TRIP BLANK		2080324-09	Nonpotable Water	08/03/22 00:00	08/03/22 16:28



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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**ST80**

**2080324-01 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>7.97</b>	O-07	pH Units			1	08/03/22	08/03/22 17:32	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>0.949</b>		NTU	0.500	0.110	1	08/04/22	08/04/22 14:00	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:21	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:21	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:21	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**ST80**

**2080324-01 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/05/22	08/05/22 13:21	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:21	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:21	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 13:21	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:21	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:21	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:21	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/05/22		08/05/22 13:21		
Surrogate: Toluene-d8			75-120	98 %	08/05/22		08/05/22 13:21		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	08/05/22		08/05/22 13:21		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**ST80**

**2080324-01 (Nonpotable Water)  
Sample Date: 08/03/22**

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	08/10/22	08/11/22 00:22	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 00:22	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>193000</b>		ug/L	500	500	1	08/04/22	08/04/22 15:38	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
<b>Barium</b>	<b>62.0</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
<b>Calcium</b>	<b>49300</b>		ug/L	80.0	80.0	1	08/04/22	08/04/22 15:38	AWH
<b>Chromium</b>	<b>1.41</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
<b>Copper</b>	<b>2.43</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
<b>Iron</b>	<b>146</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:38	AWH
Lead	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
<b>Magnesium</b>	<b>16900</b>		ug/L	100	100	1	08/04/22	08/04/22 15:38	AWH
<b>Manganese</b>	<b>13.0</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:38	AWH
<b>Nickel</b>	<b>2.68</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
<b>Potassium</b>	<b>6670</b>		ug/L	100	100	1	08/04/22	08/04/22 15:38	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
<b>Sodium</b>	<b>39800</b>		ug/L	100	100	1	08/04/22	08/04/22 15:38	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:38	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:38	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**ST80**

**2080324-01 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:52	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	17.3		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:14	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	600.5		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	99.4		mg/L	0.500	0.500	1	08/04/22	08/04/22 17:02	CRP
Nitrate	4.75		mg/L	0.050	0.050	1	08/04/22	08/04/22 17:02	CRP
Nitrate (as N)	1.07		mg/L	0.011	0.011	1	08/04/22	08/04/22 17:02	CRP
Sulfate	22.1		mg/L	0.3	0.3	1	08/04/22	08/04/22 17:02	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	ND		mg/L	2.2	2.2	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	348		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	120		mg/L	5.0	5.0	1	08/10/22	08/10/22 12:57	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3A**

**2080324-02 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.92</b>	O-07	pH Units			1	08/03/22	08/03/22 17:32	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>101</b>		NTU	2.50	0.550	5	08/04/22	08/04/22 14:21	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:46	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:46	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:46	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
<b>Chloroform</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3A**

**2080324-02 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/05/22	08/05/22 13:46	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:46	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:46	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 13:46	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:46	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 13:46	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 13:46	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/05/22		08/05/22 13:46		
Surrogate: Toluene-d8			75-120	97 %	08/05/22		08/05/22 13:46		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	08/05/22		08/05/22 13:46		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3A**

**2080324-02 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/10/22	08/11/22 00:37	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 00:37	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>35300</b>		ug/L	500	500	1	08/04/22	08/04/22 15:40	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Barium</b>	<b>37.7</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Calcium</b>	<b>3500</b>		ug/L	80.0	80.0	1	08/04/22	08/04/22 15:40	AWH
<b>Chromium</b>	<b>19.8</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Cobalt</b>	<b>10.7</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Copper</b>	<b>26.2</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Iron</b>	<b>14900</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:40	AWH
<b>Lead</b>	<b>5.91</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Magnesium</b>	<b>6450</b>		ug/L	100	100	1	08/04/22	08/04/22 15:40	AWH
<b>Manganese</b>	<b>537</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:40	AWH
<b>Nickel</b>	<b>19.9</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Potassium</b>	<b>4330</b>		ug/L	100	100	1	08/04/22	08/04/22 15:40	AWH
<b>Selenium</b>	<b>1.24</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Sodium</b>	<b>3800</b>		ug/L	100	100	1	08/04/22	08/04/22 15:40	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Vanadium</b>	<b>21.3</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:40	AWH
<b>Zinc</b>	<b>58.8</b>		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:40	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3A**

**2080324-02 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.06		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:52	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	ND		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:15	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	52.44		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	3.16		mg/L	0.500	0.500	1	08/04/22	08/04/22 17:20	CRP
Nitrate	0.251		mg/L	0.050	0.050	1	08/04/22	08/04/22 17:20	CRP
Nitrate (as N)	0.057		mg/L	0.011	0.011	1	08/04/22	08/04/22 17:20	CRP
Sulfate	0.5		mg/L	0.3	0.3	1	08/04/22	08/04/22 17:20	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	2050		mg/L	12.5	12.5	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	45.5		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	16.4		mg/L	5.0	5.0	1	08/10/22	08/10/22 13:15	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3B**

**2080324-03 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>8.62</b>		NTU	0.500	0.110	1	08/04/22	08/04/22 14:03	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:11	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:11	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:11	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
<b>Chloroform</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3B**

**2080324-03 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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>									
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:11	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:11	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 14:11	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:11	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:11	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:11	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/05/22		08/05/22 14:11		
Surrogate: Toluene-d8			75-120	98 %	08/05/22		08/05/22 14:11		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/05/22		08/05/22 14:11		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3B**

**2080324-03 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/10/22	08/11/22 00:53	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 00:53	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>23800</b>		ug/L	500	500	1	08/04/22	08/04/22 15:42	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Barium</b>	<b>9.01</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Calcium</b>	<b>6050</b>		ug/L	80.0	80.0	1	08/04/22	08/04/22 15:42	AWH
<b>Chromium</b>	<b>6.70</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Copper</b>	<b>4.07</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Iron</b>	<b>475</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:42	AWH
Lead	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Magnesium</b>	<b>2100</b>		ug/L	100	100	1	08/04/22	08/04/22 15:42	AWH
<b>Manganese</b>	<b>21.4</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:42	AWH
<b>Nickel</b>	<b>4.48</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Potassium</b>	<b>1100</b>		ug/L	100	100	1	08/04/22	08/04/22 15:42	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Sodium</b>	<b>11700</b>		ug/L	100	100	1	08/04/22	08/04/22 15:42	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:42	AWH
<b>Zinc</b>	<b>12.4</b>		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:42	AWH

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-3B**

**2080324-03 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:53	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	7.3		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:15	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	97.97		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	2.91		mg/L	0.500	0.500	1	08/04/22	08/04/22 17:39	CRP
Nitrate	0.363		mg/L	0.050	0.050	1	08/04/22	08/04/22 17:39	CRP
Nitrate (as N)	0.082		mg/L	0.011	0.011	1	08/04/22	08/04/22 17:39	CRP
Sulfate	4.9		mg/L	0.3	0.3	1	08/04/22	08/04/22 17:39	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	31.4		mg/L	2.6	2.6	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	74.5		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	47.3		mg/L	5.0	5.0	1	08/10/22	08/10/22 13:31	RP

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Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

**Reported:**  
 08/12/22 15:20

**MW-3B**

**2080324-03RE1 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	6.70	O-07, RE-01	pH Units			1	08/04/22	08/04/22 17:26	CRP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8**

**2080324-04 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.59</b>	O-07	pH Units			1	08/03/22	08/03/22 17:32	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>1.10</b>		NTU	0.500	0.110	1	08/04/22	08/04/22 14:05	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:36	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:36	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Benzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:36	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
<b>Chlorobenzene</b>	<b>4.7</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
<b>1,4-Dichlorobenzene</b>	<b>3.0</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
<b>cis-1,2-Dichloroethene</b>	<b>8.5</b>		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8**

**2080324-04 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/05/22	08/05/22 14:36	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:36	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:36	LL
Isobutanol	ND		ug/L	100	100	1	08/05/22	08/05/22 14:36	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:36	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/05/22	08/05/22 14:36	LL
Styrene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Toluene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/05/22	08/05/22 14:36	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/05/22		08/05/22 14:36		
Surrogate: Toluene-d8			75-120	97 %	08/05/22		08/05/22 14:36		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/05/22		08/05/22 14:36		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8**

**2080324-04 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/10/22	08/11/22 01:09	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 01:09	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>223000</b>		ug/L	500	500	1	08/04/22	08/04/22 15:45	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Barium</b>	<b>142</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Calcium</b>	<b>63800</b>		ug/L	80.0	80.0	1	08/04/22	08/04/22 15:45	AWH
<b>Chromium</b>	<b>1.93</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Cobalt</b>	<b>5.71</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Copper</b>	<b>1.84</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Iron</b>	<b>168</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:45	AWH
Lead	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Magnesium</b>	<b>15500</b>		ug/L	100	100	1	08/04/22	08/04/22 15:45	AWH
<b>Manganese</b>	<b>5010</b>		ug/L	10.0	10.0	10	08/04/22	08/04/22 16:29	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:45	AWH
<b>Nickel</b>	<b>5.85</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Potassium</b>	<b>2690</b>		ug/L	100	100	1	08/04/22	08/04/22 15:45	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
<b>Sodium</b>	<b>27100</b>		ug/L	100	100	1	08/04/22	08/04/22 15:45	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:45	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:45	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8**

**2080324-04 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.05		mg/L	0.02	0.02	1	08/08/22	08/08/22 18:54	AD
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	11.3		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:16	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	573.9		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	47.2		mg/L	0.500	0.500	1	08/04/22	08/04/22 17:57	CRP
Nitrate	0.671		mg/L	0.050	0.050	1	08/04/22	08/04/22 17:57	CRP
Nitrate (as N)	0.152		mg/L	0.011	0.011	1	08/04/22	08/04/22 17:57	CRP
Sulfate	8.6		mg/L	0.3	0.3	1	08/04/22	08/04/22 17:57	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	7.3		mg/L	2.3	2.3	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	327		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	230		mg/L	5.0	5.0	1	08/10/22	08/10/22 13:47	RP

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8A**

**2080324-05 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.40</b>	O-07	pH Units			1	08/03/22	08/03/22 17:32	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>4.55</b>		NTU	0.500	0.110	1	08/04/22	08/04/22 14:06	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 14:47	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 14:47	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Benzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 14:47	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
<b>Chlorobenzene</b>	<b>8.6</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
<b>1,4-Dichlorobenzene</b>	<b>5.7</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
<b>cis-1,2-Dichloroethene</b>	<b>8.7</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8A**

**2080324-05 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/08/22	08/08/22 14:47	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 14:47	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 14:47	LL
Isobutanol	ND		ug/L	100	100	1	08/08/22	08/08/22 14:47	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 14:47	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 14:47	LL
Styrene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Toluene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
<b>Vinyl chloride</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 14:47	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			08/08/22	08/08/22 14:47	
Surrogate: Toluene-d8			75-120	99 %			08/08/22	08/08/22 14:47	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/08/22	08/08/22 14:47	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8A**

**2080324-05 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/10/22	08/11/22 02:40	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 02:40	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>247000</b>		ug/L	500	500	1	08/04/22	08/04/22 15:47	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Arsenic</b>	<b>2.45</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Barium</b>	<b>47.8</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Calcium</b>	<b>55100</b>		ug/L	80.0	80.0	1	08/04/22	08/04/22 15:47	AWH
<b>Chromium</b>	<b>1.36</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Cobalt</b>	<b>18.7</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
Copper	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Iron</b>	<b>4960</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:47	AWH
Lead	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Magnesium</b>	<b>26700</b>		ug/L	100	100	1	08/04/22	08/04/22 15:47	AWH
<b>Manganese</b>	<b>8370</b>		ug/L	10.0	10.0	10	08/04/22	08/04/22 16:31	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:47	AWH
<b>Nickel</b>	<b>6.46</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Potassium</b>	<b>2940</b>		ug/L	100	100	1	08/04/22	08/04/22 15:47	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
<b>Sodium</b>	<b>37400</b>		ug/L	100	100	1	08/04/22	08/04/22 15:47	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:47	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:47	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OBO8A**

**2080324-05 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.38		mg/L	0.02	0.02	1	08/09/22	08/09/22 15:33	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	16.9		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:17	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	683.7		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	75.7		mg/L	0.500	0.500	1	08/04/22	08/04/22 18:15	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/04/22	08/04/22 18:15	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/04/22	08/04/22 18:15	CRP
Sulfate	2.1		mg/L	0.3	0.3	1	08/04/22	08/04/22 18:15	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	24.5		mg/L	2.2	2.2	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	383		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	247		mg/L	5.0	5.0	1	08/10/22	08/10/22 14:04	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24A**

**2080324-06 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.98</b>	O-07	pH Units			1	08/03/22	08/03/22 17:32	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>121</b>		NTU	2.50	0.550	5	08/04/22	08/04/22 14:22	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:12	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:12	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
<b>Benzene</b>	<b>3.9</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:12	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
<b>Chlorobenzene</b>	<b>8.5</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
<b>1,4-Dichlorobenzene</b>	<b>13.4</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
<b>1,1-Dichloroethane</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
<b>cis-1,2-Dichloroethene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
<b>trans-1,2-Dichloroethene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24A**

**2080324-06 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/08/22	08/08/22 15:12	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:12	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:12	LL
Isobutanol	ND		ug/L	100	100	1	08/08/22	08/08/22 15:12	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:12	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:12	LL
Styrene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Toluene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
<b>Vinyl chloride</b>	<b>3.0</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:12	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	109 %	08/08/22		08/08/22 15:12		
Surrogate: Toluene-d8			75-120	99 %	08/08/22		08/08/22 15:12		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	08/08/22		08/08/22 15:12		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24A**

**2080324-06 (Nonpotable Water)  
Sample Date: 08/03/22**

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	08/10/22	08/11/22 02:55	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 02:55	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>572000</b>		ug/L	500	500	1	08/04/22	08/04/22 15:50	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Arsenic</b>	<b>9.09</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Barium</b>	<b>379</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Beryllium</b>	<b>1.02</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Calcium</b>	<b>85900</b>		ug/L	80.0	80.0	1	08/04/22	08/04/22 15:50	AWH
<b>Chromium</b>	<b>35.5</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Cobalt</b>	<b>104</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Copper</b>	<b>27.7</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Iron</b>	<b>37300</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:50	AWH
<b>Lead</b>	<b>9.06</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Magnesium</b>	<b>86700</b>		ug/L	100	100	1	08/04/22	08/04/22 15:50	AWH
<b>Manganese</b>	<b>12700</b>		ug/L	100	100	100	08/04/22	08/04/22 16:34	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:50	AWH
<b>Nickel</b>	<b>96.2</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Potassium</b>	<b>8120</b>		ug/L	100	100	1	08/04/22	08/04/22 15:50	AWH
<b>Selenium</b>	<b>3.91</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Sodium</b>	<b>55800</b>		ug/L	100	100	1	08/04/22	08/04/22 15:50	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Vanadium</b>	<b>13.6</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:50	AWH
<b>Zinc</b>	<b>83.5</b>		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:50	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24A**

**2080324-06 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.70		mg/L	0.02	0.02	1	08/09/22	08/09/22 15:34	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	37.1		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:18	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1535		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	378		mg/L	0.500	0.500	1	08/04/22	08/04/22 19:30	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/04/22	08/04/22 19:30	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/04/22	08/04/22 19:30	CRP
Sulfate	0.8		mg/L	0.3	0.3	1	08/04/22	08/04/22 19:30	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	2020		mg/L	6.3	6.3	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	908		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	151		mg/L	5.0	5.0	1	08/10/22	08/10/22 14:54	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24B**

**2080324-07 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.47</b>	O-07	pH Units			1	08/03/22	08/03/22 17:32	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>74.4</b>		NTU	1.00	0.220	2	08/04/22	08/04/22 14:24	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:36	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:36	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
<b>Benzene</b>	<b>5.8</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:36	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
<b>Chlorobenzene</b>	<b>5.4</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
<b>1,4-Dichlorobenzene</b>	<b>15.5</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
<b>1,1-Dichloroethane</b>	<b>1.8</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
<b>trans-1,2-Dichloroethene</b>	<b>2.2</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24B**

**2080324-07 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/08/22	08/08/22 15:36	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:36	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:36	LL
Isobutanol	ND		ug/L	100	100	1	08/08/22	08/08/22 15:36	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:36	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 15:36	LL
Styrene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Toluene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
<b>Vinyl chloride</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 15:36	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %			08/08/22	08/08/22 15:36	
Surrogate: Toluene-d8			75-120	97 %			08/08/22	08/08/22 15:36	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/08/22	08/08/22 15:36	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24B**

**2080324-07 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/10/22	08/11/22 03:11	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 03:11	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>723000</b>		ug/L	5000	5000	10	08/04/22	08/04/22 16:36	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Arsenic</b>	<b>37.2</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Barium</b>	<b>237</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Calcium</b>	<b>123000</b>		ug/L	800	800	10	08/04/22	08/04/22 16:36	AWH
<b>Chromium</b>	<b>9.12</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Cobalt</b>	<b>64.7</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Copper</b>	<b>1.75</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Iron</b>	<b>55000</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:52	AWH
Lead	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Magnesium</b>	<b>91600</b>		ug/L	100	100	1	08/04/22	08/04/22 15:52	AWH
<b>Manganese</b>	<b>4970</b>		ug/L	10.0	10.0	10	08/04/22	08/04/22 16:36	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:52	AWH
<b>Nickel</b>	<b>23.1</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Potassium</b>	<b>4470</b>		ug/L	100	100	1	08/04/22	08/04/22 15:52	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Sodium</b>	<b>39600</b>		ug/L	100	100	1	08/04/22	08/04/22 15:52	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:52	AWH
<b>Zinc</b>	<b>4.19</b>		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:52	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**MW-24B**

**2080324-07 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.17		mg/L	0.02	0.02	1	08/09/22	08/09/22 15:34	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	42.4		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:18	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1660		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	363		mg/L	0.500	0.500	1	08/04/22	08/04/22 19:48	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/04/22	08/04/22 19:48	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/04/22	08/04/22 19:48	CRP
Sulfate	ND		mg/L	0.3	0.3	1	08/04/22	08/04/22 19:48	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	225		mg/L	2.3	2.3	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1010		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	270		mg/L	5.0	5.0	1	08/10/22	08/10/22 15:11	RP

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OB40**

**2080324-08 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.51</b>	O-07	pH Units			1	08/03/22	08/03/22 17:32	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>55.0</b>		NTU	1.00	0.220	2	08/04/22	08/04/22 14:25	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 16:01	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 16:01	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
<b>Benzene</b>	<b>5.8</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 16:01	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
<b>Chlorobenzene</b>	<b>5.6</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
<b>Chloroethane</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
<b>1,4-Dichlorobenzene</b>	<b>16.0</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
<b>1,1-Dichloroethane</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
<b>trans-1,2-Dichloroethene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OB40**

**2080324-08 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/08/22	08/08/22 16:01	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 16:01	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 16:01	LL
Isobutanol	ND		ug/L	100	100	1	08/08/22	08/08/22 16:01	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 16:01	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/08/22	08/08/22 16:01	LL
Styrene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Toluene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
<b>Vinyl chloride</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/08/22	08/08/22 16:01	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %			08/08/22	08/08/22 16:01	
Surrogate: Toluene-d8			75-120	97 %			08/08/22	08/08/22 16:01	
Surrogate: 4-Bromofluorobenzene			75-120	101 %			08/08/22	08/08/22 16:01	

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OB40**

**2080324-08 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/10/22	08/11/22 03:27	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/22	08/11/22 03:27	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>728000</b>		ug/L	5000	5000	10	08/04/22	08/04/22 16:38	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Arsenic</b>	<b>37.7</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Barium</b>	<b>237</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Calcium</b>	<b>122000</b>		ug/L	800	800	10	08/04/22	08/04/22 16:38	AWH
<b>Chromium</b>	<b>8.85</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Cobalt</b>	<b>63.9</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Copper</b>	<b>1.61</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Iron</b>	<b>55500</b>		ug/L	100	5.00	1	08/04/22	08/04/22 15:59	AWH
Lead	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Magnesium</b>	<b>103000</b>		ug/L	1000	1000	10	08/04/22	08/04/22 16:38	AWH
<b>Manganese</b>	<b>4880</b>		ug/L	10.0	10.0	10	08/04/22	08/04/22 16:38	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/04/22	08/04/22 15:59	AWH
<b>Nickel</b>	<b>23.5</b>		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Potassium</b>	<b>4440</b>		ug/L	100	100	1	08/04/22	08/04/22 15:59	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
Silver	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
<b>Sodium</b>	<b>39600</b>		ug/L	100	100	1	08/04/22	08/04/22 15:59	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/04/22	08/04/22 15:59	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/04/22	08/04/22 15:59	AWH

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**OB40**

**2080324-08 (Nonpotable Water)**  
**Sample Date: 08/03/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.19		mg/L	0.02	0.02	1	08/09/22	08/09/22 15:34	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	41.7		mg/L	3.0	3.0	1	08/09/22	08/09/22 20:19	ZZZ
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1661		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	365		mg/L	0.500	0.500	1	08/04/22	08/04/22 20:06	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/04/22	08/04/22 20:06	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/04/22	08/04/22 20:06	CRP
Sulfate	ND		mg/L	0.3	0.3	1	08/04/22	08/04/22 20:06	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	88.9		mg/L	2.3	2.3	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1030		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	277		mg/L	5.0	5.0	1	08/10/22	08/10/22 15:46	RP

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

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**2080324-09 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/04/22	08/04/22 13:34	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:34	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Benzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:34	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**TRIP BLANK**

**2080324-09 (Nonpotable Water)**  
**Sample Date: 08/03/22**

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	08/04/22	08/04/22 13:34	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:34	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:34	LL
Isobutanol	ND		ug/L	100	100	1	08/04/22	08/04/22 13:34	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:34	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/22	08/04/22 13:34	LL
Styrene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Toluene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/22	08/04/22 13:34	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		105 %			08/04/22	08/04/22 13:34	
Surrogate: Toluene-d8		75-120		98 %			08/04/22	08/04/22 13:34	
Surrogate: 4-Bromofluorobenzene		75-120		97 %			08/04/22	08/04/22 13:34	

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Will Brewington, President



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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208086 - pH (Paper or Meter)**

**Reference (B208086-SRM1)**

Prepared & Analyzed: 08/03/22

pH	7.01			pH Units	7.003		100	99.93-100.07		
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**Batch B208120 - pH (Paper or Meter)**

**Reference (B208120-SRM1)**

Prepared & Analyzed: 08/04/22

pH	7.00			pH Units	7.003		100	99.93-100.07		
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Will Brewington, President

*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.*

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208113 - Turbidity Prep (EPA 180.1)**

**Blank (B208113-BLK1)**

Prepared & Analyzed: 08/04/22

Turbidity	ND		0.500	NTU						
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**Duplicate (B208113-DUP1)**

Source: 2080324-03

Prepared & Analyzed: 08/04/22

Turbidity	8.09		0.500	NTU		8.62			6	30
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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

**Blank (B208100-BLK1)**

Prepared & Analyzed: 08/04/22

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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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

**Blank (B208100-BLK1)**

Prepared & Analyzed: 08/04/22

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						
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	53.15			ug/L	50.00		106	70-130		
Surrogate: Toluene-d8	48.86			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	48.47			ug/L	50.00		97	75-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

**LCS (B208100-BS1)**

Prepared & Analyzed: 08/04/22

Acetone	9.1		5.0	ug/L	10.00		91	50-150		
Acrylonitrile	5.2		5.0	ug/L	5.000		105	50-150		
Benzene	5.2		1.0	ug/L	5.000		103	50-150		
Bromochloromethane	5.4		1.0	ug/L	5.000		109	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.000		103	50-150		
Bromoform	4.9		1.0	ug/L	5.000		98	50-150		
Bromomethane	5.5		1.0	ug/L	5.000		109	50-150		
2-Butanone (MEK)	10.6		5.0	ug/L	10.00		106	50-150		
Carbon disulfide	5.5		1.0	ug/L	5.000		111	50-150		
Carbon tetrachloride	5.1		1.0	ug/L	5.000		102	50-150		
Chlorobenzene	5.1		1.0	ug/L	5.000		102	50-150		
Chloroethane	5.2		1.0	ug/L	5.000		103	50-150		
Chloroform	5.1		1.0	ug/L	5.000		103	50-150		
Chloromethane	5.3		1.0	ug/L	5.000		106	50-150		
Dibromochloromethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dibromo-3-chloropropane	5.8		1.0	ug/L	5.000		117	50-150		
1,2-Dibromoethane (EDB)	4.9		1.0	ug/L	5.000		98	50-150		
Dibromomethane	4.9		1.0	ug/L	5.000		98	50-150		
1,2-Dichlorobenzene	5.6		1.0	ug/L	5.000		113	50-150		
1,4-Dichlorobenzene	6.0		1.0	ug/L	5.000		120	50-150		
1,1-Dichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
1,2-Dichloroethane	5.2		1.0	ug/L	5.000		105	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.000		99	50-150		
cis-1,2-Dichloroethene	5.3		1.0	ug/L	5.000		106	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.000		101	50-150		
1,2-Dichloropropane	4.9		1.0	ug/L	5.000		98	50-150		
1,3-Dichloropropane	5.1		1.0	ug/L	5.000		101	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.000		106	50-150		
1,1-Dichloropropene	4.9		1.0	ug/L	5.000		99	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		94	50-150		
trans-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		93	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

**LCS (B208100-BS1)**

Prepared & Analyzed: 08/04/22

Ethylbenzene	5.3		1.0	ug/L	5.000		107	50-150		
2-Hexanone	10.8		5.0	ug/L	10.00		108	50-150		
Methyl tert-butyl ether (MTBE)	5.0		1.0	ug/L	5.000		99	50-150		
4-Methyl-2-pentanone	10.3		5.0	ug/L	10.00		103	50-150		
Methylene chloride	5.7		1.0	ug/L	5.000		114	0-200		
Methyl methacrylate	5.1		5.0	ug/L	5.000		102	50-150		
Styrene	5.0		1.0	ug/L	5.000		100	50-150		
1,1,1,2-Tetrachloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,1,2,2-Tetrachloroethane	5.1		1.0	ug/L	5.000		101	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.000		98	50-150		
Toluene	5.0		1.0	ug/L	5.000		100	50-150		
1,1,1-Trichloroethane	5.2		1.0	ug/L	5.000		103	50-150		
1,1,2-Trichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
Trichloroethene	4.8		1.0	ug/L	5.000		96	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.000		103	50-150		
1,2,3-Trichloropropane	5.6		1.0	ug/L	5.000		113	50-150		
Vinyl acetate	3.0		1.0	ug/L	5.000		59	50-150		
Vinyl chloride	5.3		1.0	ug/L	5.000		105	50-150		
o-Xylene	5.1		1.0	ug/L	5.000		103	50-150		
m- & p-Xylenes	10.4		1.0	ug/L	10.00		104	50-150		
Surrogate: 1,2-Dichloroethane-d4	51.60			ug/L	50.00		103	70-130		
Surrogate: Toluene-d8	49.45			ug/L	50.00		99	75-120		
Surrogate: 4-Bromofluorobenzene	50.24			ug/L	50.00		100	75-120		

**Duplicate (B208100-DUP1)**

Source: 2080211-01

Prepared & Analyzed: 08/04/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

Duplicate (B208100-DUP1)	Source: 2080211-01	Prepared & Analyzed: 08/04/22
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
Isobutanol	ND	100 ug/L

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208100-DUP1)</b>		<b>Source: 2080211-01</b>			<b>Prepared &amp; Analyzed: 08/04/22</b>		
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	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	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
Vinyl chloride	ND		1.0	ug/L	ND		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>54.11</i>			<i>ug/L</i>	<i>50.00</i>	<i>108</i>	<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>49.12</i>			<i>ug/L</i>	<i>50.00</i>	<i>98</i>	<i>75-120</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.33</i>			<i>ug/L</i>	<i>50.00</i>	<i>97</i>	<i>75-120</i>

<b>Matrix Spike (B208100-MS1)</b>		<b>Source: 2080311-01</b>			<b>Prepared &amp; Analyzed: 08/04/22</b>			
Acetone	10.7		5.0	ug/L	10.00	1.1	96	60-120
Acrylonitrile	10.6		5.0	ug/L	10.00	ND	106	0-200
Benzene	11.0		1.0	ug/L	10.00	ND	110	60-120
Bromochloromethane	10.9		1.0	ug/L	10.00	ND	109	60-120
Bromodichloromethane	10.7		1.0	ug/L	10.00	ND	107	60-120
Bromoform	10.5		1.0	ug/L	10.00	ND	105	60-120
Bromomethane	10.6		1.0	ug/L	10.00	ND	106	60-120
2-Butanone (MEK)	10.5		5.0	ug/L	10.00	ND	105	60-120

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

Matrix Spike (B208100-MS1)	Source: 2080311-01			Prepared & Analyzed: 08/04/22						
Carbon disulfide	11.4		1.0	ug/L	10.00	ND	114	60-120		
Carbon tetrachloride	11.1		1.0	ug/L	10.00	ND	111	60-120		
Chlorobenzene	10.8		1.0	ug/L	10.00	ND	108	60-120		
Chloroethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Chloroform	11.4		1.0	ug/L	10.00	ND	114	60-120		
Chloromethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	9.9		1.0	ug/L	10.00	ND	99	60-120		
1,2-Dibromoethane (EDB)	10.1		1.0	ug/L	10.00	ND	101	60-120		
Dibromomethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
1,2-Dichlorobenzene	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,4-Dichlorobenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1-Dichloroethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
1,2-Dichloroethane	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1-Dichloroethene	11.0		1.0	ug/L	10.00	ND	110	60-120		
cis-1,2-Dichloroethene	11.0		1.0	ug/L	10.00	ND	110	60-120		
trans-1,2-Dichloroethene	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dichloropropane	11.3		1.0	ug/L	10.00	ND	113	60-120		
1,3-Dichloropropane	10.3		1.0	ug/L	10.00	ND	103	60-120		
2,2-Dichloropropane	9.3		1.0	ug/L	10.00	ND	93	60-120		
1,1-Dichloropropene	10.7		1.0	ug/L	10.00	ND	107	60-120		
cis-1,3-Dichloropropene	9.7		1.0	ug/L	10.00	ND	97	60-120		
trans-1,3-Dichloropropene	9.9		1.0	ug/L	10.00	ND	99	60-120		
Ethylbenzene	11.2		1.0	ug/L	10.00	ND	112	60-120		
2-Hexanone	9.8		5.0	ug/L	10.00	ND	98	60-120		
Methyl tert-butyl ether (MTBE)	10.3		1.0	ug/L	10.00	ND	103	60-120		
4-Methyl-2-pentanone	9.9		5.0	ug/L	10.00	ND	99	60-120		
Methylene chloride	10.0		1.0	ug/L	10.00	ND	100	60-120		
Methyl methacrylate	9.6		5.0	ug/L	10.00	ND	96	60-120		
Styrene	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,1,1,2-Tetrachloroethane	10.1		1.0	ug/L	10.00	ND	101	60-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208100 - GCMS-WATER-VOLATILES**

Matrix Spike (B208100-MS1)	Source: 2080311-01	Prepared & Analyzed: 08/04/22
1,1,2,2-Tetrachloroethane	10.8	1.0 ug/L 10.00 ND 108 60-120
Tetrachloroethene	10.8	1.0 ug/L 10.00 ND 108 60-120
Toluene	11.0	1.0 ug/L 10.00 ND 110 60-120
1,1,1-Trichloroethane	10.9	1.0 ug/L 10.00 ND 109 60-120
1,1,2-Trichloroethane	10.3	1.0 ug/L 10.00 ND 103 60-120
Trichloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
Trichlorofluoromethane (Freon 11)	11.4	1.0 ug/L 10.00 ND 114 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.00 ND 101 60-120
Vinyl acetate	8.7	1.0 ug/L 10.00 ND 87 60-120
Vinyl chloride	11.8	1.0 ug/L 10.00 ND 118 60-120
o-Xylene	10.5	1.0 ug/L 10.00 ND 105 60-120
m- & p-Xylenes	22.4	1.0 ug/L 20.00 ND 112 60-120
Surrogate: 1,2-Dichloroethane-d4	50.57	ug/L 50.00 101 70-130
Surrogate: Toluene-d8	49.30	ug/L 50.00 99 75-120
Surrogate: 4-Bromofluorobenzene	50.10	ug/L 50.00 100 75-120

**Batch B208128 - GCMS-WATER-VOLATILES**

Blank (B208128-BLK1)	Prepared & Analyzed: 08/05/22
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

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

**Blank (B208128-BLK1)**

Prepared & Analyzed: 08/05/22

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						
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						

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

**Blank (B208128-BLK1)**

Prepared & Analyzed: 08/05/22

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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	53.70			ug/L	50.00		107	70-130		
<i>Surrogate: Toluene-d8</i>	49.19			ug/L	50.00		98	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	47.91			ug/L	50.00		96	75-120		

**LCS (B208128-BS1)**

Prepared & Analyzed: 08/05/22

Acetone	9.3		5.0	ug/L	10.00		93	50-150		
Acrylonitrile	4.9	J	5.0	ug/L	5.000		99	50-150		
Benzene	5.4		1.0	ug/L	5.000		108	50-150		
Bromochloromethane	5.0		1.0	ug/L	5.000		100	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.000		104	50-150		
Bromoform	4.7		1.0	ug/L	5.000		95	50-150		
Bromomethane	5.7		1.0	ug/L	5.000		114	50-150		
2-Butanone (MEK)	9.5		5.0	ug/L	10.00		95	50-150		
Carbon disulfide	5.6		1.0	ug/L	5.000		112	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.000		100	50-150		
Chlorobenzene	5.4		1.0	ug/L	5.000		108	50-150		
Chloroethane	5.0		1.0	ug/L	5.000		101	50-150		
Chloroform	5.1		1.0	ug/L	5.000		101	50-150		
Chloromethane	5.5		1.0	ug/L	5.000		109	50-150		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

**LCS (B208128-BS1)**

Prepared & Analyzed: 08/05/22

Dibromochloromethane	4.6		1.0	ug/L	5.000		92	50-150		
1,2-Dibromo-3-chloropropane	5.3		1.0	ug/L	5.000		105	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.2		1.0	ug/L	5.000		103	50-150		
1,2-Dichlorobenzene	5.7		1.0	ug/L	5.000		114	50-150		
1,4-Dichlorobenzene	5.7		1.0	ug/L	5.000		114	50-150		
1,1-Dichloroethane	4.9		1.0	ug/L	5.000		99	50-150		
1,2-Dichloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,1-Dichloroethene	5.0		1.0	ug/L	5.000		100	50-150		
cis-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.000		99	50-150		
1,2-Dichloropropane	5.1		1.0	ug/L	5.000		101	50-150		
1,3-Dichloropropane	4.7		1.0	ug/L	5.000		94	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
1,1-Dichloropropene	5.1		1.0	ug/L	5.000		101	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		90	50-150		
trans-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		91	50-150		
Ethylbenzene	5.2		1.0	ug/L	5.000		105	50-150		
2-Hexanone	10.5		5.0	ug/L	10.00		105	50-150		
Methyl tert-butyl ether (MTBE)	4.7		1.0	ug/L	5.000		93	50-150		
4-Methyl-2-pentanone	10.1		5.0	ug/L	10.00		101	50-150		
Methylene chloride	5.2		1.0	ug/L	5.000		103	0-200		
Methyl methacrylate	4.2	J	5.0	ug/L	5.000		84	50-150		
Styrene	4.9		1.0	ug/L	5.000		97	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.000		94	50-150		
1,1,2,2-Tetrachloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.000		99	50-150		
Toluene	5.0		1.0	ug/L	5.000		100	50-150		
1,1,1-Trichloroethane	5.3		1.0	ug/L	5.000		107	50-150		
1,1,2-Trichloroethane	4.5		1.0	ug/L	5.000		90	50-150		
Trichloroethene	4.7		1.0	ug/L	5.000		94	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

**LCS (B208128-BS1)**

Prepared & Analyzed: 08/05/22

Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.000		104	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
Vinyl acetate	3.8		1.0	ug/L	5.000		76	50-150		
Vinyl chloride	5.8		1.0	ug/L	5.000		117	50-150		
o-Xylene	4.7		1.0	ug/L	5.000		94	50-150		
m- & p-Xylenes	10.1		1.0	ug/L	10.00		101	50-150		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.57</i>			<i>ug/L</i>	<i>50.00</i>		<i>105</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>49.09</i>			<i>ug/L</i>	<i>50.00</i>		<i>98</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.72</i>			<i>ug/L</i>	<i>50.00</i>		<i>99</i>	<i>75-120</i>		

**Duplicate (B208128-DUP1)**

Source: 2080221-01

Prepared & Analyzed: 08/05/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

Duplicate (B208128-DUP1)	Source: 2080221-01	Prepared & Analyzed: 08/05/22		
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	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	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	ND	1.0 ug/L	ND	20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L	ND	20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208128-DUP1)</b>		<b>Source: 2080221-01</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>					
1,2,3-Trichloropropane	ND		1.0	ug/L		ND				20
Vinyl acetate	ND		1.0	ug/L		ND				20
Vinyl chloride	ND		1.0	ug/L		ND				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>	53.47			ug/L	50.00		107	70-130		
<i>Surrogate: Toluene-d8</i>	49.18			ug/L	50.00		98	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	49.06			ug/L	50.00		98	75-120		

<b>Matrix Spike (B208128-MS1)</b>		<b>Source: 2080221-02</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>					
Acetone	11.8		5.0	ug/L	10.00	ND	118	60-120		
Acrylonitrile	10.2		5.0	ug/L	10.00	ND	102	0-200		
Benzene	11.0		1.0	ug/L	10.00	ND	110	60-120		
Bromochloromethane	9.8		1.0	ug/L	10.00	ND	98	60-120		
Bromodichloromethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
Bromoform	10.2		1.0	ug/L	10.00	ND	102	60-120		
Bromomethane	9.1		1.0	ug/L	10.00	ND	91	60-120		
2-Butanone (MEK)	9.4		5.0	ug/L	10.00	ND	94	60-120		
Carbon disulfide	11.2		1.0	ug/L	10.00	ND	112	60-120		
Carbon tetrachloride	10.6		1.0	ug/L	10.00	ND	106	60-120		
Chlorobenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
Chloroethane	11.1		1.0	ug/L	10.00	ND	111	60-120		
Chloroform	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloromethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	8.7		1.0	ug/L	10.00	ND	87	60-120		
1,2-Dibromoethane (EDB)	9.4		1.0	ug/L	10.00	ND	94	60-120		
Dibromomethane	9.6		1.0	ug/L	10.00	ND	96	60-120		
1,2-Dichlorobenzene	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,4-Dichlorobenzene	9.8		1.0	ug/L	10.00	ND	98	60-120		
1,1-Dichloroethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
1,2-Dichloroethane	9.9		1.0	ug/L	10.00	ND	99	60-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

Matrix Spike (B208128-MS1)	Source: 2080221-02	Prepared & Analyzed: 08/05/22
1,1-Dichloroethene	10.5	1.0 ug/L 10.00 ND 105 60-120
cis-1,2-Dichloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
trans-1,2-Dichloroethene	10.0	1.0 ug/L 10.00 ND 100 60-120
1,2-Dichloropropane	10.5	1.0 ug/L 10.00 ND 105 60-120
1,3-Dichloropropane	10.1	1.0 ug/L 10.00 ND 101 60-120
2,2-Dichloropropane	8.9	1.0 ug/L 10.00 ND 89 60-120
1,1-Dichloropropene	10.7	1.0 ug/L 10.00 ND 107 60-120
cis-1,3-Dichloropropene	9.1	1.0 ug/L 10.00 ND 91 60-120
trans-1,3-Dichloropropene	9.3	1.0 ug/L 10.00 ND 93 60-120
Ethylbenzene	11.1	1.0 ug/L 10.00 ND 111 60-120
2-Hexanone	9.4	5.0 ug/L 10.00 ND 94 60-120
Methyl tert-butyl ether (MTBE)	9.6	1.0 ug/L 10.00 ND 96 60-120
4-Methyl-2-pentanone	9.1	5.0 ug/L 10.00 ND 91 60-120
Methylene chloride	10.1	1.0 ug/L 10.00 ND 101 60-120
Methyl methacrylate	9.0	5.0 ug/L 10.00 ND 90 60-120
Styrene	10.1	1.0 ug/L 10.00 ND 101 60-120
1,1,1,2-Tetrachloroethane	10.1	1.0 ug/L 10.00 ND 101 60-120
1,1,2,2-Tetrachloroethane	9.9	1.0 ug/L 10.00 ND 99 60-120
Tetrachloroethene	11.6	1.0 ug/L 10.00 1.1 106 60-120
Toluene	10.4	1.0 ug/L 10.00 ND 104 60-120
1,1,1-Trichloroethane	10.6	1.0 ug/L 10.00 ND 106 60-120
1,1,2-Trichloroethane	9.9	1.0 ug/L 10.00 ND 99 60-120
Trichloroethene	10.0	1.0 ug/L 10.00 ND 100 60-120
Trichlorofluoromethane (Freon 11)	11.4	1.0 ug/L 10.00 ND 114 60-120
1,2,3-Trichloropropane	9.9	1.0 ug/L 10.00 ND 99 60-120
Vinyl acetate	8.2	1.0 ug/L 10.00 ND 82 60-120
Vinyl chloride	11.1	1.0 ug/L 10.00 ND 111 60-120
o-Xylene	10.2	1.0 ug/L 10.00 ND 102 60-120
m- & p-Xylenes	21.6	1.0 ug/L 20.00 ND 108 60-120
Surrogate: 1,2-Dichloroethane-d4	50.44	ug/L 50.00 101 70-130
Surrogate: Toluene-d8	49.61	ug/L 50.00 99 75-120

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208128 - GCMS-WATER-VOLATILES**

**Matrix Spike (B208128-MS1)**

Source: 2080221-02

Prepared & Analyzed: 08/05/22

Surrogate: 4-Bromofluorobenzene 51.01 ug/L 50.00 102 75-120

**Batch B208164 - GCMS-WATER-VOLATILES**

**Blank (B208164-BLK1)**

Prepared & Analyzed: 08/08/22

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

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208164 - GCMS-WATER-VOLATILES**

**Blank (B208164-BLK1)**

Prepared & Analyzed: 08/08/22

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						
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	52.43			ug/L	50.00		105	70-130		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208164 - GCMS-WATER-VOLATILES**

**Blank (B208164-BLK1)**

Prepared & Analyzed: 08/08/22

Surrogate: Toluene-d8	49.71			ug/L	50.00		99	75-120		
Surrogate: 4-Bromofluorobenzene	49.25			ug/L	50.00		99	75-120		

**LCS (B208164-BS1)**

Prepared & Analyzed: 08/08/22

Acetone	10.8		5.0	ug/L	10.00		108	50-150		
Acrylonitrile	4.9	J	5.0	ug/L	5.000		98	50-150		
Benzene	5.1		1.0	ug/L	5.000		102	50-150		
Bromochloromethane	5.3		1.0	ug/L	5.000		106	50-150		
Bromodichloromethane	5.1		1.0	ug/L	5.000		102	50-150		
Bromoform	4.7		1.0	ug/L	5.000		94	50-150		
Bromomethane	5.5		1.0	ug/L	5.000		110	50-150		
2-Butanone (MEK)	11.5		5.0	ug/L	10.00		115	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.000		109	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.000		100	50-150		
Chlorobenzene	5.1		1.0	ug/L	5.000		102	50-150		
Chloroethane	5.0		1.0	ug/L	5.000		100	50-150		
Chloroform	5.0		1.0	ug/L	5.000		100	50-150		
Chloromethane	5.4		1.0	ug/L	5.000		109	50-150		
Dibromochloromethane	4.6		1.0	ug/L	5.000		92	50-150		
1,2-Dibromo-3-chloropropane	5.2		1.0	ug/L	5.000		104	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.000		94	50-150		
Dibromomethane	4.8		1.0	ug/L	5.000		95	50-150		
1,2-Dichlorobenzene	5.4		1.0	ug/L	5.000		107	50-150		
1,4-Dichlorobenzene	5.8		1.0	ug/L	5.000		116	50-150		
1,1-Dichloroethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.000		99	50-150		
1,1-Dichloroethene	4.7		1.0	ug/L	5.000		93	50-150		
cis-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
trans-1,2-Dichloroethene	4.7		1.0	ug/L	5.000		95	50-150		
1,2-Dichloropropane	4.9		1.0	ug/L	5.000		99	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.000		97	50-150		
2,2-Dichloropropane	5.2		1.0	ug/L	5.000		104	50-150		

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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08/12/22 15:20

**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 B208164 - GCMS-WATER-VOLATILES**

**LCS (B208164-BS1)**

Prepared & Analyzed: 08/08/22

1,1-Dichloropropene	4.8		1.0	ug/L	5.000		95	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		90	50-150		
trans-1,3-Dichloropropene	4.8		1.0	ug/L	5.000		96	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.000		101	50-150		
2-Hexanone	10.3		5.0	ug/L	10.00		103	50-150		
Methyl tert-butyl ether (MTBE)	5.0		1.0	ug/L	5.000		99	50-150		
4-Methyl-2-pentanone	10.2		5.0	ug/L	10.00		102	50-150		
Methylene chloride	6.4		1.0	ug/L	5.000		129	0-200		
Methyl methacrylate	4.7	J	5.0	ug/L	5.000		94	50-150		
Styrene	5.0		1.0	ug/L	5.000		99	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.000		95	50-150		
1,1,2,2-Tetrachloroethane	5.2		1.0	ug/L	5.000		103	50-150		
Tetrachloroethene	4.7		1.0	ug/L	5.000		94	50-150		
Toluene	4.9		1.0	ug/L	5.000		97	50-150		
1,1,1-Trichloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,1,2-Trichloroethane	5.1		1.0	ug/L	5.000		101	50-150		
Trichloroethene	4.7		1.0	ug/L	5.000		94	50-150		
Trichlorofluoromethane (Freon 11)	5.0		1.0	ug/L	5.000		99	50-150		
1,2,3-Trichloropropane	4.8		1.0	ug/L	5.000		96	50-150		
Vinyl acetate	3.7		1.0	ug/L	5.000		74	50-150		
Vinyl chloride	5.1		1.0	ug/L	5.000		103	50-150		
o-Xylene	5.0		1.0	ug/L	5.000		101	50-150		
m- & p-Xylenes	10.2		1.0	ug/L	10.00		102	50-150		
Surrogate: 1,2-Dichloroethane-d4	52.55			ug/L	50.00		105	70-130		
Surrogate: Toluene-d8	48.41			ug/L	50.00		97	75-120		
Surrogate: 4-Bromofluorobenzene	50.05			ug/L	50.00		100	75-120		

**Duplicate (B208164-DUP1)**

Source: 2080420-03

Prepared & Analyzed: 08/08/22

Acetone	ND		5.0	ug/L		ND			20	
Acrylonitrile	ND		5.0	ug/L		ND			15	
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND			20	
Benzene	ND		1.0	ug/L		ND			20	

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208164 - GCMS-WATER-VOLATILES**

Duplicate (B208164-DUP1)	Source: 2080420-03	Prepared & Analyzed: 08/08/22		
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	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	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

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208164 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208164-DUP1)</b>		<b>Source: 2080420-03</b>			<b>Prepared &amp; Analyzed: 08/08/22</b>		
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	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	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
Vinyl chloride	ND		1.0	ug/L	ND		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	52.66			ug/L	50.00	105	70-130
Surrogate: Toluene-d8	49.00			ug/L	50.00	98	75-120
Surrogate: 4-Bromofluorobenzene	49.28			ug/L	50.00	99	75-120

<b>Matrix Spike (B208164-MS1)</b>		<b>Source: 2080324-05</b>			<b>Prepared &amp; Analyzed: 08/08/22</b>			
Acetone	10.1		5.0	ug/L	10.00	ND	101	60-120
Acrylonitrile	11.0		5.0	ug/L	10.00	ND	110	0-200
Benzene	12.7		1.0	ug/L	10.00	ND	127	60-120
Bromochloromethane	11.5		1.0	ug/L	10.00	ND	115	60-120
Bromodichloromethane	11.1		1.0	ug/L	10.00	ND	111	60-120

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208164 - GCMS-WATER-VOLATILES**

Matrix Spike (B208164-MS1)	Source: 2080324-05			Prepared & Analyzed: 08/08/22						
Bromoform	10.5		1.0	ug/L	10.00	ND	105	60-120		
Bromomethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
2-Butanone (MEK)	10.2		5.0	ug/L	10.00	ND	102	60-120		
Carbon disulfide	12.0		1.0	ug/L	10.00	ND	120	60-120		
Carbon tetrachloride	11.3		1.0	ug/L	10.00	ND	113	60-120		
Chlorobenzene	20.4		1.0	ug/L	10.00	8.6	118	60-120		
Chloroethane	11.8		1.0	ug/L	10.00	ND	118	60-120		
Chloroform	11.3		1.0	ug/L	10.00	ND	113	60-120		
Chloromethane	11.2		1.0	ug/L	10.00	ND	112	60-120		
Dibromochloromethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,2-Dibromo-3-chloropropane	10.4		1.0	ug/L	10.00	ND	104	60-120		
1,2-Dibromoethane (EDB)	10.3		1.0	ug/L	10.00	ND	103	60-120		
Dibromomethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
1,2-Dichlorobenzene	11.4		1.0	ug/L	10.00	ND	114	60-120		
1,4-Dichlorobenzene	16.7		1.0	ug/L	10.00	5.7	110	60-120		
1,1-Dichloroethane	11.6		1.0	ug/L	10.00	ND	116	60-120		
1,2-Dichloroethane	11.4		1.0	ug/L	10.00	ND	114	60-120		
1,1-Dichloroethene	11.4		1.0	ug/L	10.00	ND	114	60-120		
cis-1,2-Dichloroethene	20.5		1.0	ug/L	10.00	8.7	118	60-120		
trans-1,2-Dichloroethene	11.9		1.0	ug/L	10.00	ND	119	60-120		
1,2-Dichloropropane	12.5		1.0	ug/L	10.00	ND	125	60-120		
1,3-Dichloropropane	10.8		1.0	ug/L	10.00	ND	108	60-120		
2,2-Dichloropropane	9.5		1.0	ug/L	10.00	ND	95	60-120		
1,1-Dichloropropene	11.6		1.0	ug/L	10.00	ND	116	60-120		
cis-1,3-Dichloropropene	9.9		1.0	ug/L	10.00	ND	99	60-120		
trans-1,3-Dichloropropene	10.3		1.0	ug/L	10.00	ND	103	60-120		
Ethylbenzene	11.5		1.0	ug/L	10.00	ND	115	60-120		
2-Hexanone	9.8		5.0	ug/L	10.00	ND	98	60-120		
Methyl tert-butyl ether (MTBE)	11.0		1.0	ug/L	10.00	ND	110	60-120		
4-Methyl-2-pentanone	10.3		5.0	ug/L	10.00	ND	103	60-120		
Methylene chloride	11.4		1.0	ug/L	10.00	ND	114	60-120		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208164 - GCMS-WATER-VOLATILES**

Matrix Spike (B208164-MS1)	Source: 2080324-05	Prepared & Analyzed: 08/08/22
Methyl methacrylate	10.0	5.0 ug/L 10.00 ND 100 60-120
Styrene	12.0	1.0 ug/L 10.00 ND 120 60-120
1,1,1,2-Tetrachloroethane	10.4	1.0 ug/L 10.00 ND 104 60-120
1,1,2,2-Tetrachloroethane	10.5	1.0 ug/L 10.00 ND 105 60-120
Tetrachloroethene	11.2	1.0 ug/L 10.00 ND 112 60-120
Toluene	11.6	1.0 ug/L 10.00 ND 116 60-120
1,1,1-Trichloroethane	11.1	1.0 ug/L 10.00 ND 111 60-120
1,1,2-Trichloroethane	10.6	1.0 ug/L 10.00 ND 106 60-120
Trichloroethene	10.8	1.0 ug/L 10.00 ND 108 60-120
Trichlorofluoromethane (Freon 11)	12.2	1.0 ug/L 10.00 ND 122 60-120
1,2,3-Trichloropropane	10.5	1.0 ug/L 10.00 ND 105 60-120
Vinyl acetate	9.5	1.0 ug/L 10.00 ND 95 60-120
Vinyl chloride	13.2	1.0 ug/L 10.00 1.1 122 60-120
o-Xylene	10.8	1.0 ug/L 10.00 ND 108 60-120
m- & p-Xylenes	23.1	1.0 ug/L 20.00 ND 115 60-120
Surrogate: 1,2-Dichloroethane-d4	53.25	ug/L 50.00 107 70-130
Surrogate: Toluene-d8	49.04	ug/L 50.00 98 75-120
Surrogate: 4-Bromofluorobenzene	50.98	ug/L 50.00 102 75-120

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208224 - 504.1 EDB/DBCP</b>										
<b>Blank (B208224-BLK1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208224-BLK2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208224-BS1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	0.110		0.050	ug/L	0.1000		110	70-130		
1,2-Dibromoethane (EDB)	0.139	S-98	0.020	ug/L	0.1000		139	70-130		
<b>LCS (B208224-BS2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	0.121		0.050	ug/L	0.1000		121	70-130		
1,2-Dibromoethane (EDB)	0.159	S-98	0.020	ug/L	0.1000		159	70-130		
<b>Matrix Spike (B208224-MS1)</b>			<b>Source: 2080110-01</b>			Prepared & Analyzed: 08/10/22				
1,2-Dibromo-3-chloropropane	0.212		0.047	ug/L	0.1897	ND	112	70-130		
1,2-Dibromoethane (EDB)	0.236		0.019	ug/L	0.1897	ND	124	70-130		
<b>Matrix Spike (B208224-MS2)</b>			<b>Source: 2080221-01</b>			Prepared: 08/10/22 Analyzed: 08/11/22				
1,2-Dibromo-3-chloropropane	0.242		0.048	ug/L	0.1923	ND	126	70-130		
1,2-Dibromoethane (EDB)	0.270	S-98	0.019	ug/L	0.1923	ND	140	70-130		
<b>Reference (B208224-SRM1)</b>					Prepared & Analyzed: 08/10/22					
1,2-Dibromo-3-chloropropane	0.023		0.050	ug/L	0.04000		58	50-150		
1,2-Dibromoethane (EDB)	0.040		0.020	ug/L	0.04000		99	50-150		
<b>Reference (B208224-SRM2)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
1,2-Dibromo-3-chloropropane	0.024		0.050	ug/L	0.04000		60	50-150		
1,2-Dibromoethane (EDB)	0.053		0.020	ug/L	0.04000		132	50-150		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208093 - 3010A-Metals Digestion**

**Blank (B208093-BLK1)**

Prepared & Analyzed: 08/04/22

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 (B208093-BS1)**

Prepared & Analyzed: 08/04/22

Antimony	50.4		1.00	ug/L	50.00		101	80-120		
Arsenic	51.9		1.00	ug/L	50.00		104	80-120		
Barium	51.4		1.00	ug/L	50.00		103	80-120		
Beryllium	51.3		1.00	ug/L	50.00		103	80-120		
Cadmium	52.3		1.00	ug/L	50.00		105	80-120		
Calcium	5140		80.0	ug/L	5000		103	80-120		
Chromium	52.8		1.00	ug/L	50.00		106	80-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208093 - 3010A-Metals Digestion**

**LCS (B208093-BS1)**

Prepared & Analyzed: 08/04/22

Cobalt	53.5		1.00	ug/L	50.00		107	80-120		
Copper	54.4		1.00	ug/L	50.00		109	80-120		
Iron	5420		100	ug/L	5000		108	80-120		
Lead	50.4		1.00	ug/L	50.00		101	80-120		
Magnesium	5580		100	ug/L	5000		112	80-120		
Manganese	52.5		1.00	ug/L	50.00		105	80-120		
Mercury	2.34		0.100	ug/L	2.500		94	80-120		
Nickel	52.1		1.00	ug/L	50.00		104	80-120		
Potassium	5450		100	ug/L	5000		109	80-120		
Selenium	49.7		1.00	ug/L	50.00		99	80-120		
Silver	49.6		1.00	ug/L	50.00		99	80-120		
Sodium	5550		100	ug/L	5000		111	80-120		
Thallium	50.6		1.00	ug/L	50.00		101	80-120		
Vanadium	51.0		1.00	ug/L	50.00		102	80-120		
Zinc	107		4.00	ug/L	100.0		107	80-120		

**Duplicate (B208093-DUP1)**

Source: 2080324-01

Prepared & Analyzed: 08/04/22

Hardness as CaCO3	195000		500	ug/L		193000			1	200
Antimony	ND		1.00	ug/L		ND				20
Arsenic	ND		1.00	ug/L		ND				20
Barium	61.4		1.00	ug/L		62.0			1	20
Beryllium	ND		1.00	ug/L		ND				20
Cadmium	ND		1.00	ug/L		ND				20
Calcium	49800		80.0	ug/L		49300			1	20
Chromium	1.44		1.00	ug/L		1.41			2	20
Cobalt	ND		1.00	ug/L		ND				20
Copper	2.48		1.00	ug/L		2.43			2	20
Iron	139		100	ug/L		146			5	20
Lead	ND		1.00	ug/L		ND				20
Magnesium	17200		100	ug/L		16900			2	20
Manganese	13.0		1.00	ug/L		13.0			0.3	20
Mercury	ND		0.100	ug/L		ND				20

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208093 - 3010A-Metals Digestion**

Duplicate (B208093-DUP1)	Source: 2080324-01			Prepared & Analyzed: 08/04/22						
Nickel	2.64		1.00	ug/L	2.68				1	20
Potassium	6580		100	ug/L	6670				1	20
Selenium	ND		1.00	ug/L	ND					20
Silver	ND		1.00	ug/L	ND					20
Sodium	40300		100	ug/L	39800				1	20
Thallium	ND		1.00	ug/L	ND					20
Vanadium	ND		1.00	ug/L	ND					20
Zinc	ND		4.00	ug/L	ND					20

Matrix Spike (B208093-MS1)	Source: 2080324-01			Prepared & Analyzed: 08/04/22						
Antimony	50.5		1.00	ug/L	50.00	ND	101	75-125		
Arsenic	50.9		1.00	ug/L	50.00	ND	102	75-125		
Barium	111		1.00	ug/L	50.00	62.0	98	75-125		
Beryllium	52.9		1.00	ug/L	50.00	ND	106	75-125		
Cadmium	50.8		1.00	ug/L	50.00	ND	102	75-125		
Calcium	53800		80.0	ug/L	5000	49300	91	75-125		
Chromium	52.6		1.00	ug/L	50.00	1.41	102	75-125		
Cobalt	50.9		1.00	ug/L	50.00	ND	102	75-125		
Copper	53.7		1.00	ug/L	50.00	2.43	103	75-125		
Iron	5380		100	ug/L	5000	146	105	75-125		
Lead	49.4		1.00	ug/L	50.00	ND	99	75-125		
Magnesium	22000		100	ug/L	5000	16900	101	75-125		
Manganese	62.8		1.00	ug/L	50.00	13.0	100	75-125		
Mercury	2.39		0.100	ug/L	2.500	ND	95	75-125		
Nickel	51.9		1.00	ug/L	50.00	2.68	99	75-125		
Potassium	11600		100	ug/L	5000	6670	99	75-125		
Selenium	50.7		1.00	ug/L	50.00	ND	101	75-125		
Silver	47.7		1.00	ug/L	50.00	ND	95	75-125		
Sodium	44600		100	ug/L	5000	39800	96	75-125		
Thallium	49.8		1.00	ug/L	50.00	ND	100	75-125		
Vanadium	50.4		1.00	ug/L	50.00	ND	101	75-125		
Zinc	103		4.00	ug/L	100.0	ND	103	75-125		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208165 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208165-BLK1)</b>					Prepared & Analyzed: 08/08/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208165-BS1)</b>					Prepared & Analyzed: 08/08/22					
Ammonia as N	0.26		0.02	mg/L	0.2500		103	80-120		
<b>Duplicate (B208165-DUP1)</b>					Source: 2080324-01 Prepared & Analyzed: 08/08/22					
Ammonia as N	0.04		0.02	mg/L		0.04			5	200
<b>Matrix Spike (B208165-MS1)</b>					Source: 2080324-01 Prepared & Analyzed: 08/08/22					
Ammonia as N	0.28		0.02	mg/L	0.2500	0.04	95	80-120		
<b>Batch B208211 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208211-BLK1)</b>					Prepared & Analyzed: 08/09/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208211-BS1)</b>					Prepared & Analyzed: 08/09/22					
Ammonia as N	0.50		0.02	mg/L	0.5000		99	80-120		
<b>Duplicate (B208211-DUP1)</b>					Source: 2080324-05 Prepared & Analyzed: 08/09/22					
Ammonia as N	0.38		0.02	mg/L		0.38			0	200
<b>Matrix Spike (B208211-MS1)</b>					Source: 2080324-05 Prepared & Analyzed: 08/09/22					
Ammonia as N	0.83		0.02	mg/L	0.5000	0.38	92	80-120		

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Will Brewington, President



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208212 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208212-BLK1)</b>					Prepared & Analyzed: 08/09/22					
COD	ND		3.0	mg/L						
<b>LCS (B208212-BS1)</b>					Prepared & Analyzed: 08/09/22					
COD	55.9	S-98	3.0	mg/L	50.00		112	90-110		
<b>Duplicate (B208212-DUP1)</b>					Source: 2080324-01		Prepared & Analyzed: 08/09/22			
COD	15.9		3.0	mg/L		17.3			8	20
<b>Matrix Spike (B208212-MS1)</b>					Source: 2080324-01		Prepared & Analyzed: 08/09/22			
COD	70.9		3.0	mg/L	50.00	17.3	107	90-110		



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**Conductivity by SM2510 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208131 - Conductivity (SM 2510B)</b>										
<b>Duplicate (B208131-DUP1)</b>			<b>Source: 2080221-01</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>				
Conductivity	99.41			uS/cm		101.3			2	20
<b>Duplicate (B208131-DUP2)</b>			<b>Source: 2080324-03</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>				
Conductivity	96.75			uS/cm		97.97			1	20
<b>Duplicate (B208131-DUP3)</b>			<b>Source: 2080417-05</b>			<b>Prepared &amp; Analyzed: 08/05/22</b>				
Conductivity	473			uS/cm		476.6			0.8	20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208098 - 300.0 Anions Prep**

**Blank (B208098-BLK1)**

Prepared & Analyzed: 08/04/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208098-BS1)**

Prepared & Analyzed: 08/04/22

Chloride	4.06		0.525	mg/L	4.000		101	90-110		
Nitrate	3.81		0.053	mg/L	4.000		95	90-110		
Nitrate (as N)	0.861		0.012	mg/L				90-110		
Sulfate	4.0		0.3	mg/L	4.000		101	90-110		

**Duplicate (B208098-DUP1)**

Source: 2080319-01

Prepared & Analyzed: 08/04/22

Chloride	1.14		0.500	mg/L		1.14			0.6	20
Nitrate	ND		0.050	mg/L		ND				200
Nitrate (as N)	ND		0.011	mg/L		ND				200
Sulfate	7.8		0.3	mg/L		7.7			0.9	20

**Matrix Spike (B208098-MS1)**

Source: 2080319-01

Prepared & Analyzed: 08/04/22

Chloride	5.19		0.525	mg/L	4.000	1.14	101	80-120		
Nitrate	3.58		0.053	mg/L	4.000	ND	89	80-120		
Nitrate (as N)	0.808		0.012	mg/L		ND		80-120		
Sulfate	11.7		0.3	mg/L	4.000	7.7	100	80-120		

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Will Brewington, President

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**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 B208240 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208240-BLK1)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208240-BS1)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
Solids, Suspended	61.9		2.5	mg/L	60.70		102	70-130		
<b>Duplicate (B208240-DUP1)</b>			<b>Source: 2080417-01</b>			Prepared: 08/10/22 Analyzed: 08/11/22				
Solids, Suspended	1390		20.8	mg/L		1610			14	20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208174 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208174-BLK1)</b>					Prepared: 08/08/22 Analyzed: 08/10/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208174-BS1)</b>					Prepared: 08/08/22 Analyzed: 08/10/22					
Solids, Dissolved	726		10.0	mg/L	770.5		94	90-110		
<b>Duplicate (B208174-DUP1)</b>			<b>Source: 2080324-01</b>			Prepared: 08/08/22 Analyzed: 08/10/22				
Solids, Dissolved	356		10.0	mg/L		348			2	20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 846781 - SM 2320B</b>										
<b>BLANK (4657542)</b>										
Prepared & Analyzed: 08/10/22										
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4657543)</b>										
Prepared & Analyzed: 08/10/22										
Alkalinity, Total as CaCO3	102%		5.0	mg/L	250		102	90-110		
<b>DUP (4657545)</b>										
Source: 2080324-07										
Prepared & Analyzed: 08/10/22										
Alkalinity, Total as CaCO3	270		5.0	mg/L		270		-	0	20



Will Brewington, President

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/12/22 15:20

**Notes and Definitions**

- S-98 Spike recovery outside of established control limits.
- RE-01 Result was obtained from a second analysis
- O-07 This sample was received outside of the EPA recommended holding time.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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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Will Brewington, President

# CHAIN-OF-CUSTODY RECORD

**Company Name:**  
EA Engineering

**Project Manager:**  
Laura Oakes

**Project ID:**  
155604

**P.O. Number:**  
24080

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):**  
H. Flowers, M. Kraham

**Field Sample ID**

**Date**

**Time**

**Water**

**Soil**

**Other**

**No. of Containers**

**Analysis Requested**

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**

ST00	8/3/22	750	X				X	X	X	X	X	X	X	2060324-01
MW-3A		855	X				10							-02
MW-3B		1000	X				10							-93
OB08		1120	X				10							-04
OB08A		1230	X				10							-05
MW-24A		1435	X				10							-06
MW-24B		1335	X				10							-07
OB40			X				10							-08
Trip Blank	0719-22	060322												09

\* 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) <i>Hannah Flowers</i>	<b>Date/Time</b> 8/3/22	<b>Received by:</b> (Signature) <i>[Signature]</i>	<b>Date/Time</b>	<b>Relinquished by:</b> (Signature)	<b>Date/Time</b>	<b>Received by:</b> (Signature)
<b>Relinquished by:</b> (Printed) Hannah Flowers	<b>Date/Time</b> 8/3/22	<b>Received by:</b> (Printed)	<b>Date/Time</b>	<b>Relinquished by:</b> (Printed)	<b>Date/Time</b>	<b>Received by:</b> (Printed)
<b>Relinquished by:</b> (Signature) <i>[Signature]</i>	<b>Date/Time</b> 8-3-22	<b>Received by Lab:</b> (Signature) <i>[Signature]</i>	<b>Date/Time</b> 16:28	<b>Turn Around Time:</b>	<b>Lab Use:</b>	<b>Temp:</b> 4.2 °C
<b>Relinquished by:</b> (Printed)	<b>Date/Time</b>	<b>Received by Lab:</b> (Printed)	<b>Date/Time</b>	<input 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	
<b>Delivery Method:</b>	<b>Special Instructions/QC Requirements &amp; Comments:</b>					
<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					

WO#: 35737913



SUBCONTRACT ORDER  
Maryland Spectral Services  
2080324

RECEIVING LABORATORY:

Pace Labs-FL  
8 East Tower Circle  
Ormond Beach, FL 32174  
Phone: (386) 672-5668  
Fax:

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)

Sample ID	ST80	Water	Sampled:08/03/22 07:50	Laboratory ID	Comments
2080324-01	ST80	Water	Sampled:08/03/22 07:50		
<i>Alkalinity</i>					
<i>Containers Supplied:</i> Plastic, 0.5L None (F)					
2080324-02	MW-3A	Water	Sampled:08/03/22 08:55		
<i>Alkalinity</i>					
<i>Containers Supplied:</i> Plastic, 0.5L None (F)					
2080324-03	MW-3B	Water	Sampled:08/03/22 10:00		
<i>Alkalinity</i>					
<i>Containers Supplied:</i> Plastic, 0.5L None (F)					
2080324-04	OBO8	Water	Sampled:08/03/22 11:20		
<i>Alkalinity</i>					
<i>Containers Supplied:</i> Plastic, 0.5L None (F)					

Released By: *[Signature]* Date: 8/4/22 13:39  
 Received By: TRB Pace Date: 8-4-22 13:40  
 Released By: *[Signature]* Date: 8-4-22  
 Received By: *[Signature]* Date: 8-6-22 12:50  
 15:41

SUBCONTRACT ORDER  
Maryland Spectral Services

2080324

Due	Time	Date	Laboratory ID	Comments
Due	4:00 PM	08/12/22		
Sample ID:	2080324-05	OBO8A	Water	Sampled:08/03/22 12:30
<u>Alkalinity</u>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID:	2080324-06	MW-24A	Water	Sampled:08/03/22 14:35
<u>Alkalinity</u>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID:	2080324-07	MW-24B	Water	Sampled:08/03/22 13:35
<u>Alkalinity</u>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID:	2080324-08	OB40	Water	Sampled:08/03/22 00:00
<u>Alkalinity</u>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
No sampling time given				


  
 Released By: TB Pace Date: 8/4/22 13:39  
 Received By: TB Pace Date: 8-4-22 13:40  

  
 Released By: TB Pace Date: 8-4-22 12:30  
 Received By: TB Pace Date: 8-6-22 12:30  
 15:41

16 August 2022

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 08/04/22 16:00.

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,



Rabecka Koons  
Quality Assurance Officer

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

**Reported:**  
08/16/22 17:28

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4		2080417-01	Nonpotable Water	08/04/22 08:15	08/04/22 16:00
OB10		2080417-02	Nonpotable Water	08/04/22 09:10	08/04/22 16:00
MW-22A		2080417-03	Nonpotable Water	08/04/22 10:20	08/04/22 16:00
MW-22B		2080417-04	Nonpotable Water	08/04/22 10:55	08/04/22 16:00
MW-23A		2080417-05	Nonpotable Water	08/04/22 12:05	08/04/22 16:00
MW-23B		2080417-06	Nonpotable Water	08/04/22 13:25	08/04/22 16:00
OB025		2080417-07	Nonpotable Water	08/04/22 14:25	08/04/22 16:00
ST70		2080417-08	Nonpotable Water	08/04/22 09:00	08/04/22 16:00



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-4**

**2080417-01 (Nonpotable Water)  
Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.88</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>309</b>		NTU	5.00	1.10	10	08/05/22	08/05/22 17:00	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:07	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:07	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Benzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:07	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-4**

**2080417-01 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/09/22	08/09/22 16:07	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:07	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:07	LL
Isobutanol	ND		ug/L	100	100	1	08/09/22	08/09/22 16:07	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:07	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:07	LL
Styrene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Toluene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:07	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/09/22		08/09/22 16:07		
Surrogate: Toluene-d8			75-120	97 %	08/09/22		08/09/22 16:07		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	08/09/22		08/09/22 16:07		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-4**

**2080417-01 (Nonpotable Water)  
Sample Date: 08/04/22**

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	08/15/22	08/15/22 21:52	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/15/22 21:52	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>261000</b>		ug/L	500	500	1	08/05/22	08/08/22 13:42	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Arsenic</b>	<b>2.49</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Barium</b>	<b>146</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Beryllium</b>	<b>1.07</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Calcium</b>	<b>46200</b>	QB-01, B	ug/L	80.0	80.0	1	08/05/22	08/08/22 13:42	AWH
<b>Chromium</b>	<b>21.3</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Cobalt</b>	<b>11.3</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Copper</b>	<b>17.9</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Iron</b>	<b>20600</b>		ug/L	100	5.00	1	08/05/22	08/08/22 13:42	AWH
<b>Lead</b>	<b>12.0</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Magnesium</b>	<b>35400</b>		ug/L	100	100	1	08/05/22	08/08/22 13:42	AWH
<b>Manganese</b>	<b>1390</b>		ug/L	10.0	10.0	10	08/05/22	08/08/22 14:02	AWH
<b>Mercury</b>	<b>0.313</b>		ug/L	0.100	0.100	1	08/05/22	08/08/22 13:42	AWH
<b>Nickel</b>	<b>24.8</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Potassium</b>	<b>8080</b>		ug/L	100	100	1	08/05/22	08/08/22 13:42	AWH
<b>Selenium</b>	<b>4.47</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Sodium</b>	<b>34500</b>		ug/L	100	100	1	08/05/22	08/08/22 13:42	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Vanadium</b>	<b>13.4</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:42	AWH
<b>Zinc</b>	<b>73.7</b>		ug/L	4.00	4.00	1	08/05/22	08/08/22 13:42	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-4**

**2080417-01 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.08		mg/L	0.02	0.02	1	08/12/22	08/12/22 13:07	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	16.9		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:26	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	700.4		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	176		mg/L	0.500	0.500	1	08/04/22	08/05/22 00:07	CRP
Nitrate	2.94		mg/L	0.050	0.050	1	08/04/22	08/05/22 00:07	CRP
Nitrate (as N)	0.663		mg/L	0.011	0.011	1	08/04/22	08/05/22 00:07	CRP
Sulfate	4.4		mg/L	0.3	0.3	1	08/04/22	08/05/22 00:07	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	1610		mg/L	15.6	15.6	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	440		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	52.6		mg/L	5.0	5.0	1	08/12/22	08/12/22 16:51	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB10**

**2080417-02 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.03</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>0.708</b>		NTU	0.500	0.110	1	08/05/22	08/05/22 16:33	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:31	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:31	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>Benzene</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:31	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>Chlorobenzene</b>	<b>5.8</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>1,4-Dichlorobenzene</b>	<b>11.0</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>1,1-Dichloroethane</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>cis-1,2-Dichloroethene</b>	<b>22.7</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>trans-1,2-Dichloroethene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>1,2-Dichloropropane</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB10**

**2080417-02 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/09/22	08/09/22 16:31	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:31	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:31	LL
Isobutanol	ND		ug/L	100	100	1	08/09/22	08/09/22 16:31	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:31	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:31	LL
Styrene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Toluene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>Trichloroethene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
<b>Vinyl chloride</b>	<b>16.9</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:31	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %			08/09/22	08/09/22 16:31	
Surrogate: Toluene-d8			75-120	97 %			08/09/22	08/09/22 16:31	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/09/22	08/09/22 16:31	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB10**

**2080417-02 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/15/22	08/15/22 22:13	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/15/22 22:13	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>492000</b>		ug/L	500	500	1	08/05/22	08/08/22 12:59	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
<b>Barium</b>	<b>140</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
<b>Calcium</b>	<b>95700</b>	QB-01, B	ug/L	80.0	80.0	1	08/05/22	08/08/22 12:59	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
<b>Cobalt</b>	<b>23.2</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
Copper	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
<b>Iron</b>	<b>1720</b>		ug/L	100	5.00	1	08/05/22	08/08/22 12:59	AWH
Lead	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
<b>Magnesium</b>	<b>61300</b>		ug/L	100	100	1	08/05/22	08/08/22 12:59	AWH
<b>Manganese</b>	<b>14700</b>		ug/L	100	100	100	08/05/22	08/08/22 14:04	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/05/22	08/08/22 12:59	AWH
<b>Nickel</b>	<b>25.9</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
<b>Potassium</b>	<b>4740</b>		ug/L	100	100	1	08/05/22	08/08/22 12:59	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
<b>Sodium</b>	<b>34200</b>		ug/L	100	100	1	08/05/22	08/08/22 12:59	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 12:59	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/05/22	08/08/22 12:59	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB10**

**2080417-02 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.05		mg/L	0.02	0.02	1	08/12/22	08/12/22 13:08	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	19.7		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:27	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1239		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	292		mg/L	0.500	0.500	1	08/04/22	08/05/22 00:25	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/04/22	08/05/22 00:25	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/04/22	08/05/22 00:25	CRP
Sulfate	1.5		mg/L	0.3	0.3	1	08/04/22	08/05/22 00:25	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	4.5		mg/L	2.2	2.2	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	781		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	167		mg/L	5.0	5.0	1	08/12/22	08/12/22 17:00	MCD



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22A**

**2080417-03 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.61</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>39.6</b>		NTU	0.500	0.110	1	08/05/22	08/05/22 16:35	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:56	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:56	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Benzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:56	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
<b>1,4-Dichlorobenzene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
<b>cis-1,2-Dichloroethene</b>	<b>5.2</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22A**

**2080417-03 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/09/22	08/09/22 16:56	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:56	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:56	LL
Isobutanol	ND		ug/L	100	100	1	08/09/22	08/09/22 16:56	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:56	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 16:56	LL
Styrene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Toluene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
<b>Trichloroethene</b>	<b>3.3</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 16:56	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			08/09/22	08/09/22 16:56	
Surrogate: Toluene-d8			75-120	97 %			08/09/22	08/09/22 16:56	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			08/09/22	08/09/22 16:56	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22A**

**2080417-03 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/15/22	08/15/22 22:36	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/15/22 22:36	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>480000</b>		ug/L	5000	5000	10	08/05/22	08/08/22 14:06	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Arsenic</b>	<b>1.49</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Barium</b>	<b>28.4</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Calcium</b>	<b>127000</b>	QB-01, B	ug/L	800	800	10	08/05/22	08/08/22 14:06	AWH
<b>Chromium</b>	<b>5.38</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Cobalt</b>	<b>1.72</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Copper</b>	<b>5.37</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Iron</b>	<b>8960</b>		ug/L	100	5.00	1	08/05/22	08/08/22 13:01	AWH
<b>Lead</b>	<b>2.52</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Magnesium</b>	<b>39400</b>		ug/L	1000	1000	10	08/05/22	08/08/22 14:06	AWH
<b>Manganese</b>	<b>1120</b>		ug/L	10.0	10.0	10	08/05/22	08/08/22 14:06	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/05/22	08/08/22 13:01	AWH
<b>Nickel</b>	<b>4.26</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Potassium</b>	<b>5660</b>		ug/L	100	100	1	08/05/22	08/08/22 13:01	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Sodium</b>	<b>79800</b>		ug/L	100	100	1	08/05/22	08/08/22 13:01	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Vanadium</b>	<b>3.03</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:01	AWH
<b>Zinc</b>	<b>7.19</b>		ug/L	4.00	4.00	1	08/05/22	08/08/22 13:01	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22A**

**2080417-03 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.07		mg/L	0.02	0.02	1	08/12/22	08/12/22 13:08	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	18.7		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:27	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1208		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	154		mg/L	0.500	0.500	1	08/04/22	08/05/22 00:44	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/04/22	08/05/22 00:44	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/04/22	08/05/22 00:44	CRP
Sulfate	37.5		mg/L	0.3	0.3	1	08/04/22	08/05/22 00:44	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	155		mg/L	3.6	3.6	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	719		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	392		mg/L	5.0	5.0	1	08/12/22	08/12/22 17:09	MCD



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22B**

**2080417-04 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.92</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>50.8</b>		NTU	1.00	0.220	2	08/05/22	08/05/22 17:02	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:20	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:20	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Benzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:20	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
<b>cis-1,2-Dichloroethene</b>	<b>3.5</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22B**

**2080417-04 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/09/22	08/09/22 17:20	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:20	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:20	LL
Isobutanol	ND		ug/L	100	100	1	08/09/22	08/09/22 17:20	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:20	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:20	LL
Styrene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Toluene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:20	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %	08/09/22		08/09/22 17:20		
Surrogate: Toluene-d8			75-120	99 %	08/09/22		08/09/22 17:20		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	08/09/22		08/09/22 17:20		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22B**

**2080417-04 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/15/22	08/15/22 22:58	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/15/22 22:58	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>400000</b>		ug/L	5000	5000	10	08/05/22	08/08/22 14:09	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Arsenic</b>	<b>8.38</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Barium</b>	<b>33.8</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Calcium</b>	<b>108000</b>	QB-01, B	ug/L	800	800	10	08/05/22	08/08/22 14:09	AWH
<b>Chromium</b>	<b>2.30</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Copper</b>	<b>2.03</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Iron</b>	<b>5370</b>		ug/L	100	5.00	1	08/05/22	08/08/22 13:03	AWH
Lead	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Magnesium</b>	<b>31200</b>		ug/L	1000	1000	10	08/05/22	08/08/22 14:09	AWH
<b>Manganese</b>	<b>502</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/05/22	08/08/22 13:03	AWH
<b>Nickel</b>	<b>2.59</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Potassium</b>	<b>6750</b>		ug/L	100	100	1	08/05/22	08/08/22 13:03	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
<b>Sodium</b>	<b>48800</b>		ug/L	100	100	1	08/05/22	08/08/22 13:03	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:03	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/05/22	08/08/22 13:03	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-22B**

**2080417-04 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/12/22	08/12/22 13:08	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	12.4		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:27	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	952.8		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	123		mg/L	0.500	0.500	1	08/04/22	08/05/22 01:02	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/04/22	08/05/22 01:02	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/04/22	08/05/22 01:02	CRP
Sulfate	24.6		mg/L	0.3	0.3	1	08/04/22	08/05/22 01:02	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	61.4		mg/L	2.3	2.3	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	567		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	297		mg/L	5.0	5.0	1	08/12/22	08/12/22 17:19	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23A**

**2080417-05 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.53</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>35.9</b>		NTU	0.500	0.110	1	08/05/22	08/05/22 16:38	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	7.7		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:45	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:45	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Benzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:45	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23A**

**2080417-05 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/09/22	08/09/22 17:45	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:45	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:45	LL
Isobutanol	ND		ug/L	100	100	1	08/09/22	08/09/22 17:45	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:45	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 17:45	LL
Styrene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Toluene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 17:45	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %	08/09/22		08/09/22 17:45		
Surrogate: Toluene-d8			75-120	97 %	08/09/22		08/09/22 17:45		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/09/22		08/09/22 17:45		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23A**

**2080417-05 (Nonpotable Water)  
Sample Date: 08/04/22**

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	08/15/22	08/15/22 23:19	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/15/22 23:19	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>187000</b>		ug/L	500	500	1	08/05/22	08/08/22 13:11	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Barium</b>	<b>9.97</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Calcium</b>	<b>26600</b>	QB-01, B	ug/L	80.0	80.0	1	08/05/22	08/08/22 13:11	AWH
<b>Chromium</b>	<b>9.45</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Cobalt</b>	<b>3.28</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Copper</b>	<b>9.67</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Iron</b>	<b>4790</b>		ug/L	100	5.00	1	08/05/22	08/08/22 13:11	AWH
Lead	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Magnesium</b>	<b>29400</b>		ug/L	100	100	1	08/05/22	08/08/22 13:11	AWH
<b>Manganese</b>	<b>244</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/05/22	08/08/22 13:11	AWH
<b>Nickel</b>	<b>6.43</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Potassium</b>	<b>3450</b>		ug/L	100	100	1	08/05/22	08/08/22 13:11	AWH
<b>Selenium</b>	<b>1.48</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Sodium</b>	<b>17800</b>		ug/L	100	100	1	08/05/22	08/08/22 13:11	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Vanadium</b>	<b>2.09</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:11	AWH
<b>Zinc</b>	<b>19.7</b>		ug/L	4.00	4.00	1	08/05/22	08/08/22 13:11	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23A**

**2080417-05 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.07		mg/L	0.02	0.02	1	08/12/22	08/12/22 13:09	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	11.4		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:28	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	476.6		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	130		mg/L	0.500	0.500	1	08/04/22	08/05/22 01:21	CRP
Nitrate	1.11		mg/L	0.050	0.050	1	08/04/22	08/05/22 01:21	CRP
Nitrate (as N)	0.251		mg/L	0.011	0.011	1	08/04/22	08/05/22 01:21	CRP
Sulfate	10.4		mg/L	0.3	0.3	1	08/04/22	08/05/22 01:21	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	222		mg/L	2.3	2.3	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	356		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	54.8		mg/L	5.0	5.0	1	08/12/22	08/12/22 17:27	MCD



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23B**

**2080417-06 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.54</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>47.4</b>		NTU	1.00	0.220	2	08/05/22	08/05/22 17:04	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:10	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:10	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Benzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:10	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
<b>cis-1,2-Dichloroethene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23B**

**2080417-06 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/09/22	08/09/22 18:10	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:10	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:10	LL
Isobutanol	ND		ug/L	100	100	1	08/09/22	08/09/22 18:10	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:10	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:10	LL
Styrene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
<b>Tetrachloroethene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Toluene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:10	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			08/09/22	08/09/22 18:10	
Surrogate: Toluene-d8			75-120	99 %			08/09/22	08/09/22 18:10	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/09/22	08/09/22 18:10	

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*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23B**

**2080417-06 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/15/22	08/15/22 23:40	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/15/22 23:40	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>125000</b>		ug/L	500	500	1	08/05/22	08/08/22 13:44	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Barium</b>	<b>167</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Calcium</b>	<b>15900</b>	QB-01, B	ug/L	80.0	80.0	1	08/05/22	08/08/22 13:44	AWH
<b>Chromium</b>	<b>12.0</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Cobalt</b>	<b>5.34</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Copper</b>	<b>1.18</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Iron</b>	<b>4050</b>		ug/L	100	5.00	1	08/05/22	08/08/22 13:44	AWH
<b>Lead</b>	<b>1.76</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Magnesium</b>	<b>20700</b>		ug/L	100	100	1	08/05/22	08/08/22 13:44	AWH
<b>Manganese</b>	<b>100</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Mercury</b>	<b>0.385</b>		ug/L	0.100	0.100	1	08/05/22	08/08/22 13:44	AWH
<b>Nickel</b>	<b>9.39</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Potassium</b>	<b>3790</b>		ug/L	100	100	1	08/05/22	08/08/22 13:44	AWH
<b>Selenium</b>	<b>1.34</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Sodium</b>	<b>32200</b>		ug/L	100	100	1	08/05/22	08/08/22 13:44	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Vanadium</b>	<b>5.29</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:44	AWH
<b>Zinc</b>	<b>72.9</b>		ug/L	4.00	4.00	1	08/05/22	08/08/22 13:44	AWH

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**MW-23B**

**2080417-06 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/12/22	08/12/22 13:09	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	9.3		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:28	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	424.2		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	96.6		mg/L	0.500	0.500	1	08/04/22	08/05/22 01:39	CRP
Nitrate	13.6		mg/L	0.050	0.050	1	08/04/22	08/05/22 01:39	CRP
Nitrate (as N)	3.08		mg/L	0.011	0.011	1	08/04/22	08/05/22 01:39	CRP
Sulfate	7.1		mg/L	0.3	0.3	1	08/04/22	08/05/22 01:39	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	1540		mg/L	3.5	3.5	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	275		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	25.1		mg/L	5.0	5.0	1	08/13/22	08/13/22 11:38	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB025**

**2080417-07 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.60</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>14.9</b>		NTU	0.500	0.110	1	08/05/22	08/05/22 16:41	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 13:51	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 13:51	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Benzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 13:51	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
<b>Chlorobenzene</b>	<b>2.7</b>		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
<b>1,4-Dichlorobenzene</b>	<b>3.0</b>		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
<b>cis-1,2-Dichloroethene</b>	<b>3.1</b>		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB025**

**2080417-07 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/10/22	08/10/22 13:51	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 13:51	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 13:51	LL
Isobutanol	ND		ug/L	100	100	1	08/10/22	08/10/22 13:51	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 13:51	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 13:51	LL
Styrene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Toluene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
<b>Vinyl chloride</b>	<b>2.3</b>		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 13:51	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %			08/10/22	08/10/22 13:51	
Surrogate: Toluene-d8			75-120	100 %			08/10/22	08/10/22 13:51	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			08/10/22	08/10/22 13:51	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB025**

**2080417-07 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/15/22	08/16/22 00:01	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 00:01	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>384000</b>		ug/L	500	500	1	08/05/22	08/08/22 13:13	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Barium</b>	<b>124</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Calcium</b>	<b>65000</b>	QB-01, B	ug/L	80.0	80.0	1	08/05/22	08/08/22 13:13	AWH
<b>Chromium</b>	<b>2.69</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Cobalt</b>	<b>30.5</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Copper</b>	<b>2.27</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Iron</b>	<b>1850</b>		ug/L	100	5.00	1	08/05/22	08/08/22 13:13	AWH
Lead	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Magnesium</b>	<b>54000</b>		ug/L	100	100	1	08/05/22	08/08/22 13:13	AWH
<b>Manganese</b>	<b>23600</b>		ug/L	100	100	100	08/05/22	08/08/22 14:19	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/05/22	08/08/22 13:13	AWH
<b>Nickel</b>	<b>16.1</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Potassium</b>	<b>17600</b>		ug/L	100	100	1	08/05/22	08/08/22 13:13	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Sodium</b>	<b>85300</b>		ug/L	100	100	1	08/05/22	08/08/22 13:13	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:13	AWH
<b>Zinc</b>	<b>10.2</b>		ug/L	4.00	4.00	1	08/05/22	08/08/22 13:13	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**OB025**

**2080417-07 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	2.92		mg/L	0.03	0.03	2	08/12/22	08/12/22 13:10	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	35.5		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:28	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1185		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	142		mg/L	0.500	0.500	1	08/04/22	08/05/22 02:53	CRP
Nitrate	6.02		mg/L	0.050	0.050	1	08/04/22	08/05/22 02:53	CRP
Nitrate (as N)	1.36		mg/L	0.011	0.011	1	08/04/22	08/05/22 02:53	CRP
Sulfate	26.8		mg/L	0.3	0.3	1	08/04/22	08/05/22 02:53	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	32.7		mg/L	2.2	2.2	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	671		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	394		mg/L	5.0	5.0	1	08/13/22	08/13/22 11:54	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**ST70**

**2080417-08 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>7.52</b>	O-07	pH Units			1	08/04/22	08/04/22 17:26	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>1.64</b>		NTU	0.500	0.110	1	08/05/22	08/05/22 16:43	CRP
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:35	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:35	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Benzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:35	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**ST70**

**2080417-08 (Nonpotable Water)**  
**Sample Date: 08/04/22**

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	08/09/22	08/09/22 18:35	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:35	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:35	LL
Isobutanol	ND		ug/L	100	100	1	08/09/22	08/09/22 18:35	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:35	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/09/22	08/09/22 18:35	LL
Styrene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Toluene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/09/22	08/09/22 18:35	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/09/22		08/09/22 18:35		
Surrogate: Toluene-d8			75-120	98 %	08/09/22		08/09/22 18:35		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	08/09/22		08/09/22 18:35		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**ST70**

**2080417-08 (Nonpotable Water)  
Sample Date: 08/04/22**

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	08/15/22	08/16/22 00:22	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 00:22	EH
<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	08/05/22	08/08/22 13:15	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
<b>Barium</b>	<b>81.6</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
<b>Calcium</b>	<b>56100</b>	QB-01, B	ug/L	80.0	80.0	1	08/05/22	08/08/22 13:15	AWH
<b>Chromium</b>	<b>8.68</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
<b>Copper</b>	<b>2.39</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
<b>Iron</b>	<b>278</b>		ug/L	100	5.00	1	08/05/22	08/08/22 13:15	AWH
Lead	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
<b>Magnesium</b>	<b>20700</b>		ug/L	100	100	1	08/05/22	08/08/22 13:15	AWH
<b>Manganese</b>	<b>136</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/05/22	08/08/22 13:15	AWH
<b>Nickel</b>	<b>3.33</b>		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
<b>Potassium</b>	<b>8610</b>		ug/L	100	100	1	08/05/22	08/08/22 13:15	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Silver	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
<b>Sodium</b>	<b>51300</b>		ug/L	100	100	1	08/05/22	08/08/22 13:15	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/05/22	08/08/22 13:15	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/05/22	08/08/22 13:15	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**ST70**

**2080417-08 (Nonpotable Water)**  
**Sample Date: 08/04/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.21		mg/L	0.02	0.02	1	08/12/22	08/12/22 13:10	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	14.5		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:29	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	711.7		uS/cm			1	08/05/22	08/05/22 15:59	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	128		mg/L	0.500	0.500	1	08/04/22	08/05/22 03:12	CRP
Nitrate	4.82		mg/L	0.050	0.050	1	08/04/22	08/05/22 03:12	CRP
Nitrate (as N)	1.09		mg/L	0.011	0.011	1	08/04/22	08/05/22 03:12	CRP
Sulfate	35.2		mg/L	0.3	0.3	1	08/04/22	08/05/22 03:12	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	ND		mg/L	2.2	2.2	1	08/10/22	08/11/22 15:07	CRP
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	433		mg/L	10.0	10.0	1	08/08/22	08/10/22 14:39	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	114		mg/L	5.0	5.0	1	08/13/22	08/13/22 12:03	MCD



Rabecka Koons, Quality Assurance Officer

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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

**Reported:**  
 08/16/22 17:28

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208120 - pH (Paper or Meter)**

Reference (B208120-SRM1)

Prepared & Analyzed: 08/04/22

pH	7.00			pH Units	7.003		100	99.93-100.07		
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Rabecka Koons, Quality Assurance Officer

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

**Reported:**  
08/16/22 17:28

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208146 - Turbidity Prep (EPA 180.1)**

**Blank (B208146-BLK1)**

Prepared & Analyzed: 08/05/22

Turbidity	ND		0.500	NTU						
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**Duplicate (B208146-DUP1)**

Source: 2080417-02

Prepared & Analyzed: 08/05/22

Turbidity	0.678		0.500	NTU		0.708			4	30
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208194 - GCMS-WATER-VOLATILES**

**Blank (B208194-BLK1)**

Prepared & Analyzed: 08/09/22

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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208194 - GCMS-WATER-VOLATILES**

**Blank (B208194-BLK1)**

Prepared & Analyzed: 08/09/22

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	1.1		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	53.80			ug/L	50.00		108	70-130		
Surrogate: Toluene-d8	48.83			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	49.19			ug/L	50.00		98	75-120		



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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 B208194 - GCMS-WATER-VOLATILES**

**LCS (B208194-BS1)**

Prepared & Analyzed: 08/09/22

Acetone	10.3		5.0	ug/L	10.00		103	50-150		
Acrylonitrile	4.9	J	5.0	ug/L	5.000		99	50-150		
Benzene	5.4		1.0	ug/L	5.000		107	50-150		
Bromochloromethane	5.5		1.0	ug/L	5.000		109	50-150		
Bromodichloromethane	5.4		1.0	ug/L	5.000		109	50-150		
Bromoform	5.0		1.0	ug/L	5.000		99	50-150		
Bromomethane	5.3		1.0	ug/L	5.000		107	50-150		
2-Butanone (MEK)	9.7		5.0	ug/L	10.00		97	50-150		
Carbon disulfide	5.8		1.0	ug/L	5.000		116	50-150		
Carbon tetrachloride	5.2		1.0	ug/L	5.000		103	50-150		
Chlorobenzene	5.4		1.0	ug/L	5.000		108	50-150		
Chloroethane	5.4		1.0	ug/L	5.000		109	50-150		
Chloroform	5.3		1.0	ug/L	5.000		106	50-150		
Chloromethane	5.1		1.0	ug/L	5.000		103	50-150		
Dibromochloromethane	5.1		1.0	ug/L	5.000		101	50-150		
1,2-Dibromo-3-chloropropane	5.8		1.0	ug/L	5.000		115	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.000		92	50-150		
Dibromomethane	4.9		1.0	ug/L	5.000		98	50-150		
1,2-Dichlorobenzene	5.8		1.0	ug/L	5.000		115	50-150		
1,4-Dichlorobenzene	5.8		1.0	ug/L	5.000		115	50-150		
1,1-Dichloroethane	5.2		1.0	ug/L	5.000		104	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.000		101	50-150		
1,1-Dichloroethene	5.0		1.0	ug/L	5.000		100	50-150		
cis-1,2-Dichloroethene	5.6		1.0	ug/L	5.000		112	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.000		101	50-150		
1,2-Dichloropropane	5.6		1.0	ug/L	5.000		111	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.000		99	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.000		103	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.000		96	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		90	50-150		
trans-1,3-Dichloropropene	4.8		1.0	ug/L	5.000		96	50-150		



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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 B208194 - GCMS-WATER-VOLATILES**

**LCS (B208194-BS1)**

Prepared & Analyzed: 08/09/22

Ethylbenzene	5.2		1.0	ug/L	5.000		104	50-150		
2-Hexanone	11.0		5.0	ug/L	10.00		110	50-150		
Methyl tert-butyl ether (MTBE)	4.8		1.0	ug/L	5.000		97	50-150		
4-Methyl-2-pentanone	10.3		5.0	ug/L	10.00		103	50-150		
Methylene chloride	6.7	B	1.0	ug/L	5.000		135	0-200		
Methyl methacrylate	4.7	J	5.0	ug/L	5.000		94	50-150		
Styrene	5.2		1.0	ug/L	5.000		104	50-150		
1,1,1,2-Tetrachloroethane	5.0		1.0	ug/L	5.000		99	50-150		
1,1,2,2-Tetrachloroethane	5.2		1.0	ug/L	5.000		103	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.000		101	50-150		
Toluene	5.2		1.0	ug/L	5.000		103	50-150		
1,1,1-Trichloroethane	5.2		1.0	ug/L	5.000		105	50-150		
1,1,2-Trichloroethane	4.8		1.0	ug/L	5.000		96	50-150		
Trichloroethene	5.0		1.0	ug/L	5.000		99	50-150		
Trichlorofluoromethane (Freon 11)	5.4		1.0	ug/L	5.000		107	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.000		101	50-150		
Vinyl acetate	3.8		1.0	ug/L	5.000		77	50-150		
Vinyl chloride	5.4		1.0	ug/L	5.000		109	50-150		
o-Xylene	4.8		1.0	ug/L	5.000		96	50-150		
m- & p-Xylenes	10.4		1.0	ug/L	10.00		104	50-150		
Surrogate: 1,2-Dichloroethane-d4	51.67			ug/L	50.00		103	70-130		
Surrogate: Toluene-d8	49.54			ug/L	50.00		99	75-120		
Surrogate: 4-Bromofluorobenzene	50.87			ug/L	50.00		102	75-120		

**Duplicate (B208194-DUP1)**

Source: 2080423-01

Prepared & Analyzed: 08/09/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208194 - GCMS-WATER-VOLATILES**

Duplicate (B208194-DUP1)	Source: 2080423-01	Prepared & Analyzed: 08/09/22
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
Isobutanol	ND	100 ug/L



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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 B208194 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208194-DUP1)</b>		<b>Source: 2080423-01</b>			<b>Prepared &amp; Analyzed: 08/09/22</b>		
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	5.0		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	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	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
Vinyl chloride	ND		1.0	ug/L	ND		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>53.64</i>			<i>ug/L</i>	<i>50.00</i>	<i>107</i>	<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>48.76</i>			<i>ug/L</i>	<i>50.00</i>	<i>98</i>	<i>75-120</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.08</i>			<i>ug/L</i>	<i>50.00</i>	<i>96</i>	<i>75-120</i>

<b>Matrix Spike (B208194-MS1)</b>		<b>Source: 2080510-01</b>			<b>Prepared &amp; Analyzed: 08/09/22</b>			
Acetone	15.3		5.0	ug/L	10.00	6.1	93	60-120
Acrylonitrile	10.1		5.0	ug/L	10.00	ND	101	0-200
Benzene	10.9		1.0	ug/L	10.00	ND	109	60-120
Bromochloromethane	10.5		1.0	ug/L	10.00	ND	105	60-120
Bromodichloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120
Bromoform	10.0		1.0	ug/L	10.00	ND	100	60-120
Bromomethane	10.9		1.0	ug/L	10.00	ND	109	60-120
2-Butanone (MEK)	11.1		5.0	ug/L	10.00	ND	111	60-120



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208194 - GCMS-WATER-VOLATILES**

Matrix Spike (B208194-MS1)	Source: 2080510-01			Prepared & Analyzed: 08/09/22						
Carbon disulfide	11.3		1.0	ug/L	10.00	ND	113	60-120		
Carbon tetrachloride	11.1		1.0	ug/L	10.00	ND	111	60-120		
Chlorobenzene	10.6		1.0	ug/L	10.00	ND	106	60-120		
Chloroethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Chloroform	10.8		1.0	ug/L	10.00	ND	108	60-120		
Chloromethane	10.5		1.0	ug/L	10.00	ND	105	60-120		
Dibromochloromethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
1,2-Dibromo-3-chloropropane	9.6		1.0	ug/L	10.00	ND	96	60-120		
1,2-Dibromoethane (EDB)	9.7		1.0	ug/L	10.00	ND	97	60-120		
Dibromomethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
1,2-Dichlorobenzene	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,4-Dichlorobenzene	10.1		1.0	ug/L	10.00	ND	101	60-120		
1,1-Dichloroethane	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,2-Dichloroethane	12.7		1.0	ug/L	10.00	2.6	101	60-120		
1,1-Dichloroethene	11.0		1.0	ug/L	10.00	ND	110	60-120		
cis-1,2-Dichloroethene	11.9		1.0	ug/L	10.00	ND	119	60-120		
trans-1,2-Dichloroethene	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,2-Dichloropropane	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,3-Dichloropropane	10.1		1.0	ug/L	10.00	ND	101	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.00	ND	87	60-120		
1,1-Dichloropropene	10.2		1.0	ug/L	10.00	ND	102	60-120		
cis-1,3-Dichloropropene	9.4		1.0	ug/L	10.00	ND	94	60-120		
trans-1,3-Dichloropropene	9.5		1.0	ug/L	10.00	ND	95	60-120		
Ethylbenzene	10.9		1.0	ug/L	10.00	ND	109	60-120		
2-Hexanone	9.5		5.0	ug/L	10.00	ND	95	60-120		
Methyl tert-butyl ether (MTBE)	9.9		1.0	ug/L	10.00	ND	99	60-120		
4-Methyl-2-pentanone	9.8		5.0	ug/L	10.00	ND	98	60-120		
Methylene chloride	10.2	B	1.0	ug/L	10.00	ND	102	60-120		
Methyl methacrylate	9.2		5.0	ug/L	10.00	ND	92	60-120		
Styrene	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,1,1,2-Tetrachloroethane	10.4		1.0	ug/L	10.00	ND	104	60-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208194 - GCMS-WATER-VOLATILES**

Matrix Spike (B208194-MS1)	Source: 2080510-01	Prepared & Analyzed: 08/09/22
1,1,2,2-Tetrachloroethane	9.8	1.0 ug/L 10.00 ND 98 60-120
Tetrachloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
Toluene	10.5	1.0 ug/L 10.00 ND 105 60-120
1,1,1-Trichloroethane	11.2	1.0 ug/L 10.00 ND 112 60-120
1,1,2-Trichloroethane	9.9	1.0 ug/L 10.00 ND 99 60-120
Trichloroethene	11.9	1.0 ug/L 10.00 1.9 99 60-120
Trichlorofluoromethane (Freon 11)	11.4	1.0 ug/L 10.00 ND 114 60-120
1,2,3-Trichloropropane	9.7	1.0 ug/L 10.00 ND 97 60-120
Vinyl acetate	7.3	1.0 ug/L 10.00 ND 73 60-120
Vinyl chloride	11.1	1.0 ug/L 10.00 ND 111 60-120
o-Xylene	10.2	1.0 ug/L 10.00 ND 102 60-120
m- & p-Xylenes	21.6	1.0 ug/L 20.00 ND 108 60-120
Surrogate: 1,2-Dichloroethane-d4	50.46	ug/L 50.00 101 70-130
Surrogate: Toluene-d8	48.90	ug/L 50.00 98 75-120
Surrogate: 4-Bromofluorobenzene	50.57	ug/L 50.00 101 75-120

**Batch B208235 - GCMS-WATER-VOLATILES**

Blank (B208235-BLK1)	Prepared & Analyzed: 08/10/22
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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

**Blank (B208235-BLK1)**

Prepared & Analyzed: 08/10/22

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						
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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

**Blank (B208235-BLK1)**

Prepared & Analyzed: 08/10/22

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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	54.13			ug/L	50.00		108	70-130		
<i>Surrogate: Toluene-d8</i>	50.09			ug/L	50.00		100	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	48.29			ug/L	50.00		97	75-120		

**LCS (B208235-BS1)**

Prepared & Analyzed: 08/10/22

Acetone	10.3		5.0	ug/L	10.00		103	50-150		
Acrylonitrile	4.6	J	5.0	ug/L	5.000		92	50-150		
Benzene	5.0		1.0	ug/L	5.000		99	50-150		
Bromochloromethane	5.1		1.0	ug/L	5.000		103	50-150		
Bromodichloromethane	5.0		1.0	ug/L	5.000		101	50-150		
Bromoform	4.8		1.0	ug/L	5.000		96	50-150		
Bromomethane	5.0		1.0	ug/L	5.000		101	50-150		
2-Butanone (MEK)	8.3		5.0	ug/L	10.00		83	50-150		
Carbon disulfide	5.3		1.0	ug/L	5.000		107	50-150		
Carbon tetrachloride	4.9		1.0	ug/L	5.000		98	50-150		
Chlorobenzene	5.2		1.0	ug/L	5.000		103	50-150		
Chloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Chloroform	5.1		1.0	ug/L	5.000		102	50-150		
Chloromethane	5.3		1.0	ug/L	5.000		106	50-150		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

**LCS (B208235-BS1)**

Prepared & Analyzed: 08/10/22

Dibromochloromethane	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dibromo-3-chloropropane	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.1		1.0	ug/L	5.000		101	50-150		
1,2-Dichlorobenzene	5.4		1.0	ug/L	5.000		107	50-150		
1,4-Dichlorobenzene	5.9		1.0	ug/L	5.000		118	50-150		
1,1-Dichloroethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.000		99	50-150		
cis-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.000		98	50-150		
1,2-Dichloropropane	5.0		1.0	ug/L	5.000		100	50-150		
1,3-Dichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
2,2-Dichloropropane	5.2		1.0	ug/L	5.000		103	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.000		96	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		95	50-150		
trans-1,3-Dichloropropene	4.9		1.0	ug/L	5.000		98	50-150		
Ethylbenzene	5.2		1.0	ug/L	5.000		103	50-150		
2-Hexanone	10.9		5.0	ug/L	10.00		109	50-150		
Methyl tert-butyl ether (MTBE)	4.6		1.0	ug/L	5.000		92	50-150		
4-Methyl-2-pentanone	10.5		5.0	ug/L	10.00		105	50-150		
Methylene chloride	6.4		1.0	ug/L	5.000		127	0-200		
Methyl methacrylate	4.3	J	5.0	ug/L	5.000		85	50-150		
Styrene	5.2		1.0	ug/L	5.000		103	50-150		
1,1,1,2-Tetrachloroethane	4.8		1.0	ug/L	5.000		97	50-150		
1,1,2,2-Tetrachloroethane	5.0		1.0	ug/L	5.000		99	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.000		99	50-150		
Toluene	4.9		1.0	ug/L	5.000		99	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.000		97	50-150		
1,1,2-Trichloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Trichloroethene	4.8		1.0	ug/L	5.000		95	50-150		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

**LCS (B208235-BS1)**

Prepared & Analyzed: 08/10/22

Trichlorofluoromethane (Freon 11)	5.4		1.0	ug/L	5.000		109	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
Vinyl acetate	3.4		1.0	ug/L	5.000		68	50-150		
Vinyl chloride	5.1		1.0	ug/L	5.000		103	50-150		
o-Xylene	4.7		1.0	ug/L	5.000		94	50-150		
m- & p-Xylenes	10.2		1.0	ug/L	10.00		102	50-150		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.64</i>			ug/L	<i>50.00</i>		<i>105</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.43</i>			ug/L	<i>50.00</i>		<i>101</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.51</i>			ug/L	<i>50.00</i>		<i>99</i>	<i>75-120</i>		

**Duplicate (B208235-DUP1)**

Source: 2080505-02

Prepared & Analyzed: 08/10/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				20

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

Duplicate (B208235-DUP1)	Source: 2080505-02	Prepared & Analyzed: 08/10/22		
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	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	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	ND	1.0 ug/L	ND	20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L	ND	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208235-DUP1)</b>		<b>Source: 2080505-02</b>			<b>Prepared &amp; Analyzed: 08/10/22</b>					
1,2,3-Trichloropropane	ND		1.0	ug/L		ND				20
Vinyl acetate	ND		1.0	ug/L		ND				20
Vinyl chloride	ND		1.0	ug/L		ND				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>	53.26			ug/L	50.00		107	70-130		
<i>Surrogate: Toluene-d8</i>	49.88			ug/L	50.00		100	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	48.27			ug/L	50.00		97	75-120		

<b>Matrix Spike (B208235-MS1)</b>		<b>Source: 2080504-01</b>			<b>Prepared &amp; Analyzed: 08/10/22</b>					
Acetone	11.1		5.0	ug/L	10.00	3.4	76	60-120		
Acrylonitrile	10.3		5.0	ug/L	10.00	ND	103	0-200		
Benzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
Bromochloromethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
Bromodichloromethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
Bromoform	10.1		1.0	ug/L	10.00	ND	101	60-120		
Bromomethane	8.9		1.0	ug/L	10.00	ND	89	60-120		
2-Butanone (MEK)	9.3		5.0	ug/L	10.00	ND	93	60-120		
Carbon disulfide	10.9		1.0	ug/L	10.00	ND	109	60-120		
Carbon tetrachloride	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chlorobenzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloroethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
Chloroform	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloromethane	10.1		1.0	ug/L	10.00	ND	101	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,2-Dibromoethane (EDB)	9.8		1.0	ug/L	10.00	ND	98	60-120		
Dibromomethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
1,2-Dichlorobenzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
1,4-Dichlorobenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1-Dichloroethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dichloroethane	10.7		1.0	ug/L	10.00	ND	107	60-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

Matrix Spike (B208235-MS1)	Source: 2080504-01	Prepared & Analyzed: 08/10/22
1,1-Dichloroethene	10.3	1.0 ug/L 10.00 ND 103 60-120
cis-1,2-Dichloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
trans-1,2-Dichloroethene	10.3	1.0 ug/L 10.00 ND 103 60-120
1,2-Dichloropropane	10.2	1.0 ug/L 10.00 ND 102 60-120
1,3-Dichloropropane	10.2	1.0 ug/L 10.00 ND 102 60-120
2,2-Dichloropropane	8.7	1.0 ug/L 10.00 ND 87 60-120
1,1-Dichloropropene	10.5	1.0 ug/L 10.00 ND 105 60-120
cis-1,3-Dichloropropene	10.1	1.0 ug/L 10.00 ND 101 60-120
trans-1,3-Dichloropropene	9.9	1.0 ug/L 10.00 ND 99 60-120
Ethylbenzene	11.0	1.0 ug/L 10.00 ND 110 60-120
2-Hexanone	10.1	5.0 ug/L 10.00 ND 101 60-120
Methyl tert-butyl ether (MTBE)	9.9	1.0 ug/L 10.00 ND 99 60-120
4-Methyl-2-pentanone	10.0	5.0 ug/L 10.00 ND 100 60-120
Methylene chloride	10.0	1.0 ug/L 10.00 ND 100 60-120
Methyl methacrylate	8.9	5.0 ug/L 10.00 ND 89 60-120
Styrene	10.6	1.0 ug/L 10.00 ND 106 60-120
1,1,1,2-Tetrachloroethane	10.4	1.0 ug/L 10.00 ND 104 60-120
1,1,2,2-Tetrachloroethane	9.9	1.0 ug/L 10.00 ND 99 60-120
Tetrachloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
Toluene	10.3	1.0 ug/L 10.00 ND 103 60-120
1,1,1-Trichloroethane	10.5	1.0 ug/L 10.00 ND 105 60-120
1,1,2-Trichloroethane	10.3	1.0 ug/L 10.00 ND 103 60-120
Trichloroethene	9.7	1.0 ug/L 10.00 ND 97 60-120
Trichlorofluoromethane (Freon 11)	11.3	1.0 ug/L 10.00 ND 113 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.00 ND 101 60-120
Vinyl acetate	8.3	1.0 ug/L 10.00 ND 83 60-120
Vinyl chloride	10.9	1.0 ug/L 10.00 ND 109 60-120
o-Xylene	10.0	1.0 ug/L 10.00 ND 100 60-120
m- & p-Xylenes	21.6	1.0 ug/L 20.00 ND 108 60-120
Surrogate: 1,2-Dichloroethane-d4	50.82	ug/L 50.00 102 70-130
Surrogate: Toluene-d8	50.18	ug/L 50.00 100 75-120



Rabecka Koons, Quality Assurance Officer

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www.mdspectral.com  
MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208235 - GCMS-WATER-VOLATILES**

**Matrix Spike (B208235-MS1)**

**Source: 2080504-01**

Prepared & Analyzed: 08/10/22

Surrogate: 4-Bromofluorobenzene	50.36			ug/L	50.00		101	75-120		
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208337 - 504.1 EDB/DBCP</b>										
<b>Blank (B208337-BLK1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208337-BLK2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208337-BS1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.1000		85	70-130		
1,2-Dibromoethane (EDB)	0.099		0.020	ug/L	0.1000		99	70-130		
<b>LCS (B208337-BS2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	0.090		0.050	ug/L	0.1000		90	70-130		
1,2-Dibromoethane (EDB)	0.109		0.020	ug/L	0.1000		109	70-130		
<b>Matrix Spike (B208337-MS1)</b>			<b>Source: 2080417-01</b>			Prepared & Analyzed: 08/15/22				
1,2-Dibromo-3-chloropropane	0.201		0.047	ug/L	0.1872	ND	107	70-130		
1,2-Dibromoethane (EDB)	0.163		0.019	ug/L	0.1872	ND	87	70-130		
<b>Matrix Spike (B208337-MS2)</b>			<b>Source: 2080812-03</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
1,2-Dibromo-3-chloropropane	0.164		0.047	ug/L	0.1882	ND	87	70-130		
1,2-Dibromoethane (EDB)	0.196		0.019	ug/L	0.1882	ND	104	70-130		
<b>Reference (B208337-SRM1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.02000		119	0-200		
<b>Reference (B208337-SRM2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.026		0.020	ug/L	0.02000		132	0-200		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208123 - 3010A-Metals Digestion**

**Blank (B208123-BLK1)**

Prepared: 08/05/22 Analyzed: 08/08/22

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						

**Blank (B208123-BLK2)**

Prepared: 08/05/22 Analyzed: 08/08/22

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	90.3	B	80.0	ug/L						



Rabecka Koons, Quality Assurance Officer

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Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208123 - 3010A-Metals Digestion**

**Blank (B208123-BLK2)**

Prepared: 08/05/22 Analyzed: 08/08/22

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 (B208123-BS1)**

Prepared: 08/05/22 Analyzed: 08/08/22

Antimony	50.8		1.00	ug/L	50.00		102	80-120		
Arsenic	51.8		1.00	ug/L	50.00		104	80-120		
Barium	51.0		1.00	ug/L	50.00		102	80-120		
Beryllium	49.6		1.00	ug/L	50.00		99	80-120		
Cadmium	52.3		1.00	ug/L	50.00		105	80-120		
Calcium	5070	B	80.0	ug/L	5000		101	80-120		
Chromium	52.6		1.00	ug/L	50.00		105	80-120		
Cobalt	53.7		1.00	ug/L	50.00		107	80-120		
Copper	54.6		1.00	ug/L	50.00		109	80-120		
Iron	5480		100	ug/L	5000		110	80-120		
Lead	49.7		1.00	ug/L	50.00		99	80-120		
Magnesium	5690		100	ug/L	5000		114	80-120		
Manganese	51.8		1.00	ug/L	50.00		104	80-120		
Mercury	2.35		0.100	ug/L	2.500		94	80-120		



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Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208123 - 3010A-Metals Digestion**

**LCS (B208123-BS1)**

Prepared: 08/05/22 Analyzed: 08/08/22

Nickel	51.4		1.00	ug/L	50.00		103	80-120		
Potassium	5170		100	ug/L	5000		103	80-120		
Selenium	50.0		1.00	ug/L	50.00		100	80-120		
Silver	50.5		1.00	ug/L	50.00		101	80-120		
Sodium	5620		100	ug/L	5000		112	80-120		
Thallium	49.9		1.00	ug/L	50.00		100	80-120		
Vanadium	51.9		1.00	ug/L	50.00		104	80-120		
Zinc	106		4.00	ug/L	100.0		106	80-120		

**LCS (B208123-BS2)**

Prepared: 08/05/22 Analyzed: 08/08/22

Antimony	50.9		1.00	ug/L	50.00		102	80-120		
Arsenic	52.1		1.00	ug/L	50.00		104	80-120		
Barium	52.0		1.00	ug/L	50.00		104	80-120		
Beryllium	50.5		1.00	ug/L	50.00		101	80-120		
Cadmium	52.5		1.00	ug/L	50.00		105	80-120		
Calcium	5060	B	80.0	ug/L	5000		101	80-120		
Chromium	52.9		1.00	ug/L	50.00		106	80-120		
Cobalt	53.9		1.00	ug/L	50.00		108	80-120		
Copper	55.8		1.00	ug/L	50.00		112	80-120		
Iron	5470		100	ug/L	5000		109	80-120		
Lead	50.1		1.00	ug/L	50.00		100	80-120		
Magnesium	5670		100	ug/L	5000		113	80-120		
Manganese	52.3		1.00	ug/L	50.00		105	80-120		
Mercury	2.47		0.100	ug/L	2.500		99	80-120		
Nickel	51.6		1.00	ug/L	50.00		103	80-120		
Potassium	5220		100	ug/L	5000		104	80-120		
Selenium	50.6		1.00	ug/L	50.00		101	80-120		
Silver	50.7		1.00	ug/L	50.00		101	80-120		
Sodium	5660		100	ug/L	5000		113	80-120		
Thallium	50.6		1.00	ug/L	50.00		101	80-120		
Vanadium	51.9		1.00	ug/L	50.00		104	80-120		
Zinc	107		4.00	ug/L	100.0		107	80-120		

*Rabecka Koons*

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Project Number: 1556404  
Project Manager: Laura Oakes

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08/16/22 17:28

**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 B208123 - 3010A-Metals Digestion**

<b>Duplicate (B208123-DUP1)</b>		<b>Source: 2080411-01</b>		<b>Prepared: 08/05/22</b>		<b>Analyzed: 08/08/22</b>			
Hardness as CaCO3	39400		500	ug/L		38800		2	200
Antimony	ND		1.00	ug/L		ND			20
Arsenic	1.26		1.00	ug/L		1.16		8	20
Barium	42.7		1.00	ug/L		42.2		1	20
Beryllium	ND		1.00	ug/L		ND			20
Cadmium	ND		1.00	ug/L		ND			20
Calcium	12200	B	80.0	ug/L		12100		1	20
Chromium	ND		1.00	ug/L		ND			20
Cobalt	ND		1.00	ug/L		ND			20
Copper	ND		1.00	ug/L		ND			20
Iron	313		100	ug/L		309		1	20
Lead	ND		1.00	ug/L		ND			20
Magnesium	2150		100	ug/L		2110		2	20
Manganese	4000	E	1.00	ug/L		3950		1	20
Mercury	ND		0.100	ug/L		ND			20
Nickel	ND		1.00	ug/L		ND			20
Potassium	1900		100	ug/L		1890		0.5	20
Selenium	ND		1.00	ug/L		ND			20
Silver	ND		1.00	ug/L		ND			20
Sodium	22600		100	ug/L		22100		2	20
Thallium	ND		1.00	ug/L		ND			20
Vanadium	ND		1.00	ug/L		ND			20
Zinc	ND		4.00	ug/L		ND			20

<b>Duplicate (B208123-DUP2)</b>		<b>Source: 2080417-01</b>		<b>Prepared: 08/05/22</b>		<b>Analyzed: 08/08/22</b>			
Hardness as CaCO3	267000		500	ug/L		261000		2	200
Antimony	ND		1.00	ug/L		ND			20
Arsenic	3.14	QR-03	1.00	ug/L		2.49		23	20
Barium	173		1.00	ug/L		146		17	20
Beryllium	1.52	QR-03	1.00	ug/L		1.07		35	20
Cadmium	ND		1.00	ug/L		ND			20
Calcium	46100	B	80.0	ug/L		46200		0.09	20



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Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**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 B208123 - 3010A-Metals Digestion**

<b>Duplicate (B208123-DUP2)</b>		<b>Source: 2080417-01</b>			Prepared: 08/05/22		Analyzed: 08/08/22	
Chromium	28.4	QR-03	1.00	ug/L	21.3		29	20
Cobalt	16.1	QR-03	1.00	ug/L	11.3		35	20
Copper	23.3	QR-03	1.00	ug/L	17.9		26	20
Iron	27800	QR-03	100	ug/L	20600		30	20
Lead	15.6	QR-03	1.00	ug/L	12.0		26	20
Magnesium	37000		100	ug/L	35400		4	20
Manganese	1750	QR-03, E	1.00	ug/L	1390		23	20
Mercury	0.333		0.100	ug/L	0.313		6	20
Nickel	35.0	QR-03	1.00	ug/L	24.8		34	20
Potassium	10100	QR-03	100	ug/L	8080		22	20
Selenium	5.46		1.00	ug/L	4.47		20	20
Silver	ND		1.00	ug/L	ND			20
Sodium	34200		100	ug/L	34500		0.7	20
Thallium	ND		1.00	ug/L	ND			20
Vanadium	18.2	QR-03	1.00	ug/L	13.4		30	20
Zinc	102	QR-03	4.00	ug/L	73.7		32	20

<b>Matrix Spike (B208123-MS1)</b>		<b>Source: 2080411-01</b>			Prepared: 08/05/22		Analyzed: 08/08/22	
Antimony	50.4		1.00	ug/L	50.00	ND	101	75-125
Arsenic	53.0		1.00	ug/L	50.00	1.16	104	75-125
Barium	94.1		1.00	ug/L	50.00	42.2	104	75-125
Beryllium	49.5		1.00	ug/L	50.00	ND	99	75-125
Cadmium	51.7		1.00	ug/L	50.00	ND	103	75-125
Calcium	17400	B	80.0	ug/L	5000	12100	108	75-125
Chromium	52.5		1.00	ug/L	50.00	ND	105	75-125
Cobalt	53.4		1.00	ug/L	50.00	ND	107	75-125
Copper	54.1		1.00	ug/L	50.00	ND	108	75-125
Iron	5780		100	ug/L	5000	309	109	75-125
Lead	50.2		1.00	ug/L	50.00	ND	100	75-125
Magnesium	7840		100	ug/L	5000	2110	115	75-125
Manganese	4050	QM-4X, E	1.00	ug/L	50.00	3950	204	75-125
Mercury	2.39		0.100	ug/L	2.500	ND	96	75-125



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Project Manager: Laura Oakes

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08/16/22 17:28

**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 B208123 - 3010A-Metals Digestion**

Matrix Spike (B208123-MS1)		Source: 2080411-01		Prepared: 08/05/22		Analyzed: 08/08/22		
Nickel	51.9		1.00	ug/L	50.00	ND	104	75-125
Potassium	7340		100	ug/L	5000	1890	109	75-125
Selenium	51.2		1.00	ug/L	50.00	ND	102	75-125
Silver	48.9		1.00	ug/L	50.00	ND	98	75-125
Sodium	27900		100	ug/L	5000	22100	116	75-125
Thallium	50.4		1.00	ug/L	50.00	ND	101	75-125
Vanadium	51.8		1.00	ug/L	50.00	ND	104	75-125
Zinc	103		4.00	ug/L	100.0	ND	103	75-125

Matrix Spike (B208123-MS2)		Source: 2080417-01		Prepared: 08/05/22		Analyzed: 08/08/22		
Antimony	40.6		1.00	ug/L	50.00	ND	81	75-125
Arsenic	45.3		1.00	ug/L	50.00	2.49	86	75-125
Barium	223	QM-4X	1.00	ug/L	50.00	146	154	75-125
Beryllium	51.3		1.00	ug/L	50.00	1.07	100	75-125
Cadmium	51.9		1.00	ug/L	50.00	ND	104	75-125
Calcium	50900	B	80.0	ug/L	5000	46200	95	75-125
Chromium	78.6		1.00	ug/L	50.00	21.3	115	75-125
Cobalt	66.5		1.00	ug/L	50.00	11.3	110	75-125
Copper	71.4		1.00	ug/L	50.00	17.9	107	75-125
Iron	32100	QM-4X	100	ug/L	5000	20600	230	75-125
Lead	65.7		1.00	ug/L	50.00	12.0	107	75-125
Magnesium	41800	QM-4X	100	ug/L	5000	35400	128	75-125
Manganese	1790	QM-4X, E	1.00	ug/L	50.00	1390	799	75-125
Mercury	2.85		0.100	ug/L	2.500	0.313	101	75-125
Nickel	82.8		1.00	ug/L	50.00	24.8	116	75-125
Potassium	15100	QM-4X	100	ug/L	5000	8080	141	75-125
Selenium	51.7		1.00	ug/L	50.00	4.47	94	75-125
Silver	49.5		1.00	ug/L	50.00	ND	99	75-125
Sodium	39100		100	ug/L	5000	34500	93	75-125
Thallium	51.4		1.00	ug/L	50.00	ND	103	75-125
Vanadium	67.8		1.00	ug/L	50.00	13.4	109	75-125
Zinc	197		4.00	ug/L	100.0	73.7	124	75-125



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Project Manager: Laura Oakes

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08/16/22 17:28

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208302 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208302-BLK1)</b>					Prepared & Analyzed: 08/12/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208302-BS1)</b>					Prepared & Analyzed: 08/12/22					
Ammonia as N	0.50		0.02	mg/L	0.5000		101	80-120		
<b>Duplicate (B208302-DUP1)</b>					Source: 2080417-01 Prepared & Analyzed: 08/12/22					
Ammonia as N	0.10		0.02	mg/L		0.08			23	200
<b>Matrix Spike (B208302-MS1)</b>					Source: 2080417-01 Prepared & Analyzed: 08/12/22					
Ammonia as N	0.57		0.02	mg/L	0.5000	0.08	97	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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Project Number: 1556404  
Project Manager: Laura Oakes

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08/16/22 17:28

**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 B208298 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208298-BLK1)</b>					Prepared & Analyzed: 08/12/22					
COD	ND		3.0	mg/L						
<b>LCS (B208298-BS1)</b>					Prepared & Analyzed: 08/12/22					
COD	49.5		3.0	mg/L	50.00		99	90-110		
<b>Duplicate (B208298-DUP1)</b>					Source: 2080417-01		Prepared & Analyzed: 08/12/22			
COD	12.2	QM-06	3.0	mg/L		16.9			32	20
<b>Matrix Spike (B208298-MS1)</b>					Source: 2080417-01		Prepared & Analyzed: 08/12/22			
COD	67.8		3.0	mg/L	50.00	16.9	102	90-110		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**Conductivity by SM2510 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208131 - Conductivity (SM 2510B)</b>										
<b>Duplicate (B208131-DUP1)</b>			<b>Source: 2080221-01</b>		Prepared & Analyzed: 08/05/22					
Conductivity	99.41			uS/cm		101.3			2	20
<b>Duplicate (B208131-DUP2)</b>			<b>Source: 2080324-03</b>		Prepared & Analyzed: 08/05/22					
Conductivity	96.75			uS/cm		97.97			1	20
<b>Duplicate (B208131-DUP3)</b>			<b>Source: 2080417-05</b>		Prepared & Analyzed: 08/05/22					
Conductivity	473			uS/cm		476.6			0.8	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	-------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------

**Batch B208122 - 300.0 Anions Prep**

**Blank (B208122-BLK1)**

Prepared & Analyzed: 08/04/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208122-BS1)**

Prepared & Analyzed: 08/04/22

Chloride	4.04		0.525	mg/L	4.000		101	90-110		
Nitrate	3.75		0.053	mg/L	4.000		94	90-110		
Nitrate (as N)	0.847		0.012	mg/L				90-110		
Sulfate	3.9		0.3	mg/L	4.000		96	90-110		

**Duplicate (B208122-DUP1)**

Source: 2080417-01

Prepared & Analyzed: 08/04/22

Chloride	176		0.500	mg/L		176			0.1	20
Nitrate	2.95		0.050	mg/L		2.94			0.3	200
Nitrate (as N)	0.665		0.011	mg/L		0.663			0.3	200
Sulfate	4.5		0.3	mg/L		4.4			1	20

**Matrix Spike (B208122-MS1)**

Source: 2080417-01

Prepared & Analyzed: 08/04/22

Chloride	179	QM-4X	0.525	mg/L	4.000	176	74	80-120		
Nitrate	6.86		0.053	mg/L	4.000	2.94	98	80-120		
Nitrate (as N)	1.55		0.012	mg/L		0.663		80-120		
Sulfate	8.3		0.3	mg/L	4.000	4.4	98	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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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

Reported:  
08/16/22 17:28

**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 B208240 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208240-BLK1)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208240-BS1)</b>					Prepared: 08/10/22 Analyzed: 08/11/22					
Solids, Suspended	61.9		2.5	mg/L	60.70		102	70-130		
<b>Duplicate (B208240-DUP1)</b>			<b>Source: 2080417-01</b>			Prepared: 08/10/22 Analyzed: 08/11/22				
Solids, Suspended	1390		20.8	mg/L		1610			14	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208174 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208174-BLK1)</b>					Prepared: 08/08/22 Analyzed: 08/10/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208174-BS1)</b>					Prepared: 08/08/22 Analyzed: 08/10/22					
Solids, Dissolved	726		10.0	mg/L	770.5		94	90-110		
<b>Duplicate (B208174-DUP1)</b>			<b>Source: 2080324-01</b>		Prepared: 08/08/22 Analyzed: 08/10/22					
Solids, Dissolved	356		10.0	mg/L		348			2	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 847597 - SM 2320B</b>										
<b>BLANK (4662562)</b>					Prepared & Analyzed: 08/12/22					
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4662563)</b>					Prepared & Analyzed: 08/12/22					
Alkalinity, Total as CaCO3	102%		5.0	mg/L	250		102	90-110		
<b>Batch 847815 - SM 2320B</b>										
<b>BLANK (4664569)</b>					Prepared & Analyzed: 08/13/22					
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4664570)</b>					Prepared & Analyzed: 08/13/22					
Alkalinity, Total as CaCO3	102%		5.0	mg/L	250		102	90-110		
<b>DUP (4664571)</b>			<b>Source: 2080417-06</b>		Prepared & Analyzed: 08/13/22					
Alkalinity, Total as CaCO3	25.5		5.0	mg/L		25.1		-	2	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/16/22 17:28

**Notes and Definitions**

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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-06 Due to non-homogeneity of the QC sample matrix, the MS/MSD or MS/DUP did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS percent recoveries.
- 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-07 This sample was received outside of the EPA recommended holding time.
- 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).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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



Rabecka Koons, Quality Assurance Officer

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Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested						CHAIN-OF-CUSTODY RECORD									
Project Name: GUDE Landfill		Project ID: 155604		8260LL VOC and 8011*		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen			
Sampler(s): H. Flowers, M. Kraham		P.O. Number: 24080		No. of Containers		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	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, OC Request, Trip Blank, Field Blank		MSS Lab ID								
MW-4	8/4/22	8:15	X				X	X	X	X	X	2080417-01							
OB10	8/4/22	9:10	X				X	X	X	X	X	-02							
MW-22A	8/4/22	10:20	X				X	X	X	X	X	-03							
MW-22B	8/4/22	10:55	X				X	X	X	X	X	-04							
MW-23A	8/4/22	12:05	X				X	X	X	X	X	-05							
MW-23B	8/4/22	13:25	X				X	X	X	X	X	-06							
OB2-5	8/4/22	14:25	X				X	X	X	X	X	-07							
ST70	8/4/22	9:00	X				X	X	X	X	X	-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) <i>Hannah Flowers</i>	Date/Time 8/4/22	Received by: (Signature) <i>[Signature]</i>	Date/Time
Relinquished by: (Signature) <i>Hannah Flowers</i>	Date/Time 16:00	Received by Lab: (Signature) <i>[Signature]</i>	Date/Time 8-4-22

Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_\_\_  
 Specific Due Date: \_\_\_\_\_

Lab Use:  
 Temp: \_\_\_\_\_ °C 10.0  
 Received on Ice  
 Received same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_\_\_ days

Delivery Method:  
 Courier  
 Client  
 UPS  
 FedEx  
 USPS  
 Other: \_\_\_\_\_

Special Instructions/QC Requirements & Comments:  
*Ler, Foster*

WO#: 35737261



35737261

SUBCONTRACT ORDER  
Maryland Spectral Services

2080417

SENDIN

RECEIVING 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

Pace Labs-FL  
8 East Tower Circle  
Ormond Beach, FL 32174  
Phone: (386) 672-5668  
Fax:

Due 4:00 PM 08/15/22

Laboratory ID      Comments

Sample ID: 2080417-01      MW-4

Water      Sampled: 08/04/22 08:15

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080417-02      OB10

Water      Sampled: 08/04/22 09:10

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080417-03      MW-22A

Water      Sampled: 08/04/22 10:20

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080417-04      MW-22B

Water      Sampled: 08/04/22 10:55

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Released By	Date	Received By	Date
TPB/PACE	8-5-22	TPB/PACE	8-5-22
	13:26		13:40
	8-5-22	OS/Jun	8-6-22
			1230

SUBCONTRACT ORDER  
 Maryland Spectral Services  
 2080417

Due	Time	Date	Laboratory ID	Comments
Sample ID: 2080417-05	MW-23A	Water	Sampled:08/04/22 12:05	
<i>Alkalinity</i>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID: 2080417-06	MW-23B	Water	Sampled:08/04/22 13:25	
<i>Alkalinity</i>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID: 2080417-07	OB025	Water	Sampled:08/04/22 14:25	
<i>Alkalinity</i>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID: 2080417-08	ST70	Water	Sampled:08/04/22 09:00	
<i>Alkalinity</i>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				

Received By: *TB/PACE* Date: *8-5-22* 13:40  
 Received By: *TB/PACE* Date: *8-5-22* 15:22  
 Received By: *TB/PACE* Date: *8-5-22* 13:26  
 Received By: *TB/PACE* Date: *8-5-22* 12:30

25 August 2022

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 08/08/22 16:32.

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,



Rabecka Koons  
Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

**Reported:**  
08/25/22 16:46

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OB11		2080812-01	Nonpotable Water	08/08/22 08:15	08/08/22 16:32
OB50		2080812-02	Nonpotable Water	08/08/22 00:00	08/08/22 16:32
OB11A		2080812-03	Nonpotable Water	08/08/22 08:57	08/08/22 16:32
MW-21B		2080812-04	Nonpotable Water	08/08/22 10:11	08/08/22 16:32
MW-21A		2080812-05	Nonpotable Water	08/08/22 11:00	08/08/22 16:32
OB12		2080812-06	Nonpotable Water	08/08/22 12:20	08/08/22 16:32
OB015		2080812-07	Nonpotable Water	08/08/22 13:00	08/08/22 16:32
MW-6		2080812-08	Nonpotable Water	08/08/22 14:20	08/08/22 16:32
OB01		2080812-09	Nonpotable Water	08/08/22 15:00	08/08/22 16:32
TRIP BLANK		2080812-10	Nonpotable Water	08/08/22 00:00	08/08/22 16:32

**Narrative**

On Thursday, August 11, 2022, MSS experienced a significant methylene chloride contamination event. Methylene chloride backflushed into our nitrogen gas lines as liquid nitrogen was being refilled by the vendor. This contamination primarily impacted our GC/MS volatiles analysis where methylene chloride is a target compound. Steps were taken to reduce the contamination over multiple days in an effort to remedy the issue. The client was notified and it was agreed that MSS would continue analysis in order to meet holding times. Samples with impacted methylene chloride are "L" flagged to identify where the positive result is believed to be due to laboratory contamination.



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11**

**2080812-01 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.84</b>	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>2.44</b>		NTU	0.500	0.110	1	08/09/22	08/09/22 17:20	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 12:54	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 12:54	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>Benzene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 12:54	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>Chlorobenzene</b>	<b>31.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>1,2-Dichlorobenzene</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>1,4-Dichlorobenzene</b>	<b>19.9</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>1,1-Dichloroethane</b>	<b>8.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>1,2-Dichloroethane</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>cis-1,2-Dichloroethene</b>	<b>61.7</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>trans-1,2-Dichloroethene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>1,2-Dichloropropane</b>	<b>3.3</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11**

**2080812-01 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/11/22	08/11/22 12:54	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 12:54	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 12:54	LL
Isobutanol	ND		ug/L	100	100	1	08/11/22	08/11/22 12:54	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 12:54	LL
<b>Methylene chloride</b>	<b>2.4</b>	L	ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 12:54	LL
Styrene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>Tetrachloroethene</b>	<b>6.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Toluene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>Trichloroethene</b>	<b>5.7</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
<b>Vinyl chloride</b>	<b>11.1</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 12:54	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %	08/11/22		08/11/22 12:54		
Surrogate: Toluene-d8			75-120	99 %	08/11/22		08/11/22 12:54		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/11/22		08/11/22 12:54		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11**

**2080812-01 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/15/22	08/16/22 01:28	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 01:28	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>81000</b>		ug/L	5000	5000	10	08/09/22	08/10/22 16:51	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Barium</b>	<b>26.2</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Cadmium</b>	<b>14.3</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Calcium</b>	<b>159000</b>	QB-01, B	ug/L	800	800	10	08/09/22	08/10/22 16:51	AWH
<b>Chromium</b>	<b>1.25</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Cobalt</b>	<b>2.28</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Copper</b>	<b>6.98</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Iron</b>	<b>293</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:14	AWH
Lead	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Magnesium</b>	<b>101000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 16:51	AWH
<b>Manganese</b>	<b>1970</b>		ug/L	10.0	10.0	10	08/09/22	08/10/22 16:51	AWH
<b>Mercury</b>	<b>4.27</b>		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:14	AWH
<b>Nickel</b>	<b>36.3</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Potassium</b>	<b>5360</b>		ug/L	100	100	1	08/09/22	08/10/22 15:14	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Sodium</b>	<b>127000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 16:51	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:14	AWH
<b>Zinc</b>	<b>42.5</b>		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:14	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11**

**2080812-01 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.08		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:05	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	47.1		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:20	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2069		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	461		mg/L	0.500	0.500	1	08/09/22	08/09/22 16:23	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/09/22	08/09/22 16:23	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/09/22	08/09/22 16:23	CRP
Sulfate	10.2		mg/L	0.3	0.3	1	08/09/22	08/09/22 16:23	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	11.5		mg/L	4.6	4.6	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1110		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	342		mg/L	5.0	5.0	1	08/14/22	08/14/22 12:50	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB50**

**2080812-02 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.81</b>	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>3.06</b>		NTU	0.500	0.110	1	08/09/22	08/09/22 17:27	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:19	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:19	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>Benzene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:19	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>Chlorobenzene</b>	<b>30.9</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>1,2-Dichlorobenzene</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>1,4-Dichlorobenzene</b>	<b>20.3</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>1,1-Dichloroethane</b>	<b>8.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>1,2-Dichloroethane</b>	<b>1.7</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>cis-1,2-Dichloroethene</b>	<b>63.1</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>trans-1,2-Dichloroethene</b>	<b>2.3</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>1,2-Dichloropropane</b>	<b>3.8</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL

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*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB50**

**2080812-02 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/11/22	08/11/22 13:19	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:19	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:19	LL
Isobutanol	ND		ug/L	100	100	1	08/11/22	08/11/22 13:19	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:19	LL
<b>Methylene chloride</b>	<b>2.5</b>	L	ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:19	LL
Styrene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>Tetrachloroethene</b>	<b>6.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Toluene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>Trichloroethene</b>	<b>5.8</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
<b>Vinyl chloride</b>	<b>11.3</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:19	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			08/11/22	08/11/22 13:19	
Surrogate: Toluene-d8			75-120	98 %			08/11/22	08/11/22 13:19	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			08/11/22	08/11/22 13:19	

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB50**

**2080812-02 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/15/22	08/16/22 01:49	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 01:49	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>81000</b>		ug/L	5000	5000	10	08/09/22	08/10/22 16:54	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Barium</b>	<b>26.4</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Cadmium</b>	<b>14.8</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Calcium</b>	<b>157000</b>	QB-01, B	ug/L	800	800	10	08/09/22	08/10/22 16:54	AWH
<b>Chromium</b>	<b>1.56</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Cobalt</b>	<b>2.42</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Copper</b>	<b>8.49</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Iron</b>	<b>376</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:21	AWH
Lead	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Magnesium</b>	<b>102000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 16:54	AWH
<b>Manganese</b>	<b>1990</b>		ug/L	10.0	10.0	10	08/09/22	08/10/22 16:54	AWH
<b>Mercury</b>	<b>4.90</b>		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:21	AWH
<b>Nickel</b>	<b>36.7</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Potassium</b>	<b>5460</b>		ug/L	100	100	1	08/09/22	08/10/22 15:21	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Sodium</b>	<b>127000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 16:54	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:21	AWH
<b>Zinc</b>	<b>44.2</b>		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:21	AWH

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB50**

**2080812-02 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.07		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:05	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	42.2		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:21	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2047		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	461		mg/L	0.500	0.500	1	08/09/22	08/09/22 16:41	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/09/22	08/09/22 16:41	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/09/22	08/09/22 16:41	CRP
Sulfate	10.2		mg/L	0.3	0.3	1	08/09/22	08/09/22 16:41	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	12.3		mg/L	2.3	2.3	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1090		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	335		mg/L	5.0	5.0	1	08/14/22	08/14/22 12:59	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11A**

**2080812-03 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.98</b>	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>2.30</b>		NTU	0.500	0.110	1	08/09/22	08/09/22 17:29	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:44	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:44	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>Benzene</b>	<b>1.7</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:44	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>Chlorobenzene</b>	<b>29.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>1,2-Dichlorobenzene</b>	<b>2.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>1,4-Dichlorobenzene</b>	<b>20.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>1,1-Dichloroethane</b>	<b>8.7</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>1,2-Dichloroethane</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>cis-1,2-Dichloroethene</b>	<b>49.8</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>trans-1,2-Dichloroethene</b>	<b>2.2</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>1,2-Dichloropropane</b>	<b>3.5</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11A**

**2080812-03 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/11/22	08/11/22 13:44	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:44	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:44	LL
Isobutanol	ND		ug/L	100	100	1	08/11/22	08/11/22 13:44	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:44	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 13:44	LL
Styrene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>Tetrachloroethene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Toluene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>Trichloroethene</b>	<b>6.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
<b>Vinyl chloride</b>	<b>13.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 13:44	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %			08/11/22	08/11/22 13:44	
Surrogate: Toluene-d8			75-120	99 %			08/11/22	08/11/22 13:44	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			08/11/22	08/11/22 13:44	



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11A**

**2080812-03 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/15/22	08/16/22 02:11	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 02:11	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>812000</b>		ug/L	5000	5000	10	08/09/22	08/10/22 16:56	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Arsenic</b>	<b>1.59</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Barium</b>	<b>179</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Calcium</b>	<b>139000</b>	QB-01, B	ug/L	800	800	10	08/09/22	08/10/22 16:56	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Cobalt</b>	<b>49.5</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Copper</b>	<b>4.95</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Iron</b>	<b>3010</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:23	AWH
<b>Lead</b>	<b>1.76</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Magnesium</b>	<b>113000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 16:56	AWH
<b>Manganese</b>	<b>18200</b>		ug/L	100	100	100	08/09/22	08/10/22 17:13	AWH
<b>Mercury</b>	<b>0.517</b>		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:23	AWH
<b>Nickel</b>	<b>44.1</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Potassium</b>	<b>6380</b>		ug/L	100	100	1	08/09/22	08/10/22 15:23	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Sodium</b>	<b>150000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 16:56	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:23	AWH
<b>Zinc</b>	<b>20.2</b>		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:23	AWH



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB11A**

**2080812-03 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.53		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:06	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	50.5		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:22	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2134		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	447		mg/L	0.500	0.500	1	08/09/22	08/09/22 17:00	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/09/22	08/09/22 17:00	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/09/22	08/09/22 17:00	CRP
Sulfate	8.0		mg/L	0.3	0.3	1	08/09/22	08/09/22 17:00	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	10.2		mg/L	2.2	2.2	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1170		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	428		mg/L	5.0	5.0	1	08/14/22	08/14/22 13:09	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21B**

**2080812-04 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.11</b>	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>246</b>		NTU	5.00	1.10	10	08/09/22	08/09/22 17:43	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:08	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:08	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Benzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:08	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>1,4-Dichlorobenzene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>1,1-Dichloroethane</b>	<b>9.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>cis-1,2-Dichloroethene</b>	<b>32.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>trans-1,2-Dichloroethene</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>1,2-Dichloropropane</b>	<b>3.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21B**

**2080812-04 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/11/22	08/11/22 14:08	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:08	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:08	LL
Isobutanol	ND		ug/L	100	100	1	08/11/22	08/11/22 14:08	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:08	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:08	LL
Styrene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>Tetrachloroethene</b>	<b>5.5</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Toluene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>Trichloroethene</b>	<b>17.9</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
<b>Vinyl chloride</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:08	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %	08/11/22		08/11/22 14:08		
Surrogate: Toluene-d8			75-120	99 %	08/11/22		08/11/22 14:08		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	08/11/22		08/11/22 14:08		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21B**

**2080812-04 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/15/22	08/16/22 02:33	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 02:33	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>356000</b>		ug/L	500	500	1	08/09/22	08/10/22 15:26	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Arsenic</b>	<b>3.75</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Barium</b>	<b>131</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Calcium</b>	<b>75400</b>	QB-01, B	ug/L	80.0	80.0	1	08/09/22	08/10/22 15:26	AWH
<b>Chromium</b>	<b>63.2</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Cobalt</b>	<b>58.1</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Copper</b>	<b>37.8</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Iron</b>	<b>41000</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:26	AWH
<b>Lead</b>	<b>13.8</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Magnesium</b>	<b>40900</b>		ug/L	100	100	1	08/09/22	08/10/22 15:26	AWH
<b>Manganese</b>	<b>5130</b>		ug/L	10.0	10.0	10	08/09/22	08/10/22 16:59	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:26	AWH
<b>Nickel</b>	<b>57.3</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Potassium</b>	<b>3990</b>		ug/L	100	100	1	08/09/22	08/10/22 15:26	AWH
<b>Selenium</b>	<b>1.65</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Sodium</b>	<b>82400</b>		ug/L	100	100	1	08/09/22	08/10/22 15:26	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Vanadium</b>	<b>13.4</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:26	AWH
<b>Zinc</b>	<b>63.4</b>		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:26	AWH

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21B**

**2080812-04 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.55		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:06	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	29.4		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:22	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1154		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	191		mg/L	0.500	0.500	1	08/09/22	08/09/22 17:18	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/09/22	08/09/22 17:18	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/09/22	08/09/22 17:18	CRP
Sulfate	16.5		mg/L	0.3	0.3	1	08/09/22	08/09/22 17:18	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	2550		mg/L	15.6	15.6	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	623		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	275		mg/L	5.0	5.0	1	08/14/22	08/14/22 13:18	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21A**

**2080812-05 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.30</b>	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>26.3</b>		NTU	0.500	0.110	1	08/09/22	08/09/22 17:33	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:33	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:33	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Benzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:33	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
<b>1,1-Dichloroethane</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
<b>cis-1,2-Dichloroethene</b>	<b>4.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL



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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21A**

**2080812-05 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/11/22	08/11/22 14:33	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:33	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:33	LL
Isobutanol	ND		ug/L	100	100	1	08/11/22	08/11/22 14:33	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:33	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:33	LL
Styrene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Toluene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
<b>Trichloroethene</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:33	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %			08/11/22	08/11/22 14:33	
Surrogate: Toluene-d8			75-120	100 %			08/11/22	08/11/22 14:33	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			08/11/22	08/11/22 14:33	

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*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21A**

**2080812-05 (Nonpotable Water)  
Sample Date: 08/08/22**

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	08/15/22	08/16/22 02:54	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 02:54	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>345000</b>		ug/L	500	500	1	08/09/22	08/10/22 15:28	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Arsenic</b>	<b>2.20</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Barium</b>	<b>343</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Calcium</b>	<b>69300</b>	QB-01, B	ug/L	80.0	80.0	1	08/09/22	08/10/22 15:28	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Cobalt</b>	<b>68.9</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Copper</b>	<b>1.99</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Iron</b>	<b>17100</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:28	AWH
Lead	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Magnesium</b>	<b>41800</b>		ug/L	100	100	1	08/09/22	08/10/22 15:28	AWH
<b>Manganese</b>	<b>8460</b>		ug/L	10.0	10.0	10	08/09/22	08/10/22 17:01	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:28	AWH
<b>Nickel</b>	<b>11.1</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Potassium</b>	<b>25400</b>		ug/L	100	100	1	08/09/22	08/10/22 15:28	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Sodium</b>	<b>49800</b>		ug/L	100	100	1	08/09/22	08/10/22 15:28	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:28	AWH
<b>Zinc</b>	<b>6.61</b>		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:28	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-21A**

**2080812-05 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	9.10		mg/L	0.08	0.08	5	08/15/22	08/15/22 17:07	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	33.7		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:23	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	959.4		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	49.1		mg/L	0.500	0.500	1	08/09/22	08/09/22 17:37	CRP
Nitrate	1.82		mg/L	0.050	0.050	1	08/09/22	08/09/22 17:37	CRP
Nitrate (as N)	0.412		mg/L	0.011	0.011	1	08/09/22	08/09/22 17:37	CRP
Sulfate	12.2		mg/L	0.3	0.3	1	08/09/22	08/09/22 17:37	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	194		mg/L	2.3	2.3	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	498		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	447		mg/L	5.0	5.0	1	08/14/22	08/14/22 13:43	RP

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB12**

**2080812-06 (Nonpotable Water)  
Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.16</b>	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>0.679</b>		NTU	0.500	0.110	1	08/09/22	08/09/22 17:36	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:58	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:58	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>Benzene</b>	<b>3.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:58	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>Chlorobenzene</b>	<b>4.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>1,4-Dichlorobenzene</b>	<b>13.1</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>1,1-Dichloroethane</b>	<b>13.3</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>1,2-Dichloroethane</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>cis-1,2-Dichloroethene</b>	<b>46.9</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>trans-1,2-Dichloroethene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>1,2-Dichloropropane</b>	<b>10.8</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB12**

**2080812-06 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/11/22	08/11/22 14:58	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:58	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:58	LL
Isobutanol	ND		ug/L	100	100	1	08/11/22	08/11/22 14:58	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:58	LL
<b>Methylene chloride</b>	<b>2.6</b>	L	ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 14:58	LL
Styrene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>Tetrachloroethene</b>	<b>17.0</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Toluene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>Trichloroethene</b>	<b>16.6</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
<b>Vinyl chloride</b>	<b>5.5</b>		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 14:58	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %			08/11/22	08/11/22 14:58	
Surrogate: Toluene-d8			75-120	98 %			08/11/22	08/11/22 14:58	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/11/22	08/11/22 14:58	

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB12**

**2080812-06 (Nonpotable Water)  
Sample Date: 08/08/22**

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	08/15/22	08/16/22 03:15	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 03:15	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>251000</b>		ug/L	500	500	1	08/09/22	08/10/22 15:31	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
<b>Barium</b>	<b>18.6</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
<b>Calcium</b>	<b>46900</b>	QB-01, B	ug/L	80.0	80.0	1	08/09/22	08/10/22 15:31	AWH
<b>Chromium</b>	<b>4.57</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Copper	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
<b>Iron</b>	<b>204</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:31	AWH
Lead	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
<b>Magnesium</b>	<b>32500</b>		ug/L	100	100	1	08/09/22	08/10/22 15:31	AWH
<b>Manganese</b>	<b>182</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:31	AWH
<b>Nickel</b>	<b>12.3</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
<b>Potassium</b>	<b>6540</b>		ug/L	100	100	1	08/09/22	08/10/22 15:31	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
<b>Sodium</b>	<b>34400</b>		ug/L	100	100	1	08/09/22	08/10/22 15:31	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:31	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:31	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB12**

**2080812-06 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:07	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	24.9		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:23	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	695.2		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	94.8		mg/L	0.500	0.500	1	08/09/22	08/09/22 17:55	CRP
Nitrate	1.76		mg/L	0.050	0.050	1	08/09/22	08/09/22 17:55	CRP
Nitrate (as N)	0.397		mg/L	0.011	0.011	1	08/09/22	08/09/22 17:55	CRP
Sulfate	12.7		mg/L	0.3	0.3	1	08/09/22	08/09/22 17:55	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	4.9		mg/L	2.2	2.2	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	389		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	178		mg/L	5.0	5.0	1	08/14/22	08/14/22 13:52	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB015**

**2080812-07 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.87</b>	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>21.4</b>		NTU	0.500	0.110	1	08/09/22	08/09/22 17:38	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 15:23	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 15:23	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Benzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 15:23	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB015**

**2080812-07 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/11/22	08/11/22 15:23	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 15:23	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 15:23	LL
Isobutanol	ND		ug/L	100	100	1	08/11/22	08/11/22 15:23	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 15:23	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/11/22	08/11/22 15:23	LL
Styrene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Toluene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/11/22	08/11/22 15:23	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>			<i>70-130</i>	<i>107 %</i>	<i>08/11/22</i>	<i>08/11/22 15:23</i>			
<i>Surrogate: Toluene-d8</i>			<i>75-120</i>	<i>99 %</i>	<i>08/11/22</i>	<i>08/11/22 15:23</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>75-120</i>	<i>94 %</i>	<i>08/11/22</i>	<i>08/11/22 15:23</i>			

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB015**

**2080812-07 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/15/22	08/16/22 03:36	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 03:36	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>126000</b>		ug/L	500	500	1	08/09/22	08/10/22 15:33	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Barium</b>	<b>74.9</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Calcium</b>	<b>13100</b>	QB-01, B	ug/L	80.0	80.0	1	08/09/22	08/10/22 15:33	AWH
<b>Chromium</b>	<b>2.51</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Cobalt</b>	<b>1.06</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Copper</b>	<b>1.57</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Iron</b>	<b>3030</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:33	AWH
Lead	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Magnesium</b>	<b>22600</b>		ug/L	100	100	1	08/09/22	08/10/22 15:33	AWH
<b>Manganese</b>	<b>427</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:33	AWH
<b>Nickel</b>	<b>14.2</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Potassium</b>	<b>1950</b>		ug/L	100	100	1	08/09/22	08/10/22 15:33	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Sodium</b>	<b>37400</b>		ug/L	100	100	1	08/09/22	08/10/22 15:33	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:33	AWH
<b>Zinc</b>	<b>24.5</b>		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:33	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB015**

**2080812-07 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	ND		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:08	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	9.1		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:24	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	387		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	8.30		mg/L	0.500	0.500	1	08/09/22	08/09/22 19:09	CRP
Nitrate	2.08		mg/L	0.050	0.050	1	08/09/22	08/09/22 19:09	CRP
Nitrate (as N)	0.470		mg/L	0.011	0.011	1	08/09/22	08/09/22 19:09	CRP
Sulfate	67.3		mg/L	0.3	0.3	1	08/09/22	08/09/22 19:09	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	21.1		mg/L	2.2	2.2	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	228		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	116		mg/L	5.0	5.0	1	08/14/22	08/14/22 14:08	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-6**

**2080812-08 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	5.95	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	10.5		NTU	0.500	0.110	1	08/09/22	08/09/22 17:40	AD
<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	08/15/22	08/16/22 03:57	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 03:57	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	555000		ug/L	500	500	1	08/09/22	08/10/22 15:35	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Barium	405		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Calcium	89400	QB-01, B	ug/L	80.0	80.0	1	08/09/22	08/10/22 15:35	AWH
Chromium	2.59		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Cobalt	742		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Copper	4.74		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Iron	4860		ug/L	100	5.00	1	08/09/22	08/10/22 15:35	AWH
Lead	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Magnesium	80600		ug/L	100	100	1	08/09/22	08/10/22 15:35	AWH
Manganese	48300		ug/L	100	100	100	08/09/22	08/10/22 17:15	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:35	AWH
Nickel	94.4		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Potassium	4470		ug/L	100	100	1	08/09/22	08/10/22 15:35	AWH
Selenium	5.97		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Sodium	199000		ug/L	1000	1000	10	08/09/22	08/10/22 17:03	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:35	AWH
Zinc	36.2		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:35	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-6**

**2080812-08 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.19		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:08	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	13.8		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:25	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2084		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	511		mg/L	1.00	1.00	2	08/09/22	08/11/22 22:37	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/09/22	08/09/22 19:28	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/09/22	08/09/22 19:28	CRP
Sulfate	27.4		mg/L	0.3	0.3	1	08/09/22	08/09/22 19:28	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	552		mg/L	2.2	2.2	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1150		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	258		mg/L	5.0	5.0	1	08/14/22	08/14/22 14:16	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-6**

**2080812-08RE1 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/16/22	08/16/22 17:22	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:22	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:22	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
<b>Chlorobenzene</b>	<b>8.0</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
<b>1,4-Dichlorobenzene</b>	<b>5.5</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
<b>cis-1,2-Dichloroethene</b>	<b>2.2</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**MW-6**

**2080812-08RE1 (Nonpotable Water)  
Sample Date: 08/08/22**

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>									
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:22	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:22	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 17:22	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:22	LL
<b>Methylene chloride</b>	<b>1.3</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:22	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:22	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %			08/16/22	08/16/22 17:22	
Surrogate: Toluene-d8			75-120	100 %			08/16/22	08/16/22 17:22	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/16/22	08/16/22 17:22	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB01**

**2080812-09 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	4.55	O-07	pH Units			1	08/08/22	08/08/22 18:20	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	1.65		NTU	0.500	0.110	1	08/09/22	08/09/22 17:41	AD
<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	08/15/22	08/16/22 04:19	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 04:19	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>796000</b>		ug/L	5000	5000	10	08/09/22	08/10/22 17:11	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Barium</b>	<b>413</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Calcium</b>	<b>149000</b>	QB-01, B	ug/L	800	800	10	08/09/22	08/10/22 17:11	AWH
<b>Chromium</b>	<b>1.53</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Cobalt</b>	<b>9.83</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Copper</b>	<b>4.83</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Iron</b>	<b>682</b>		ug/L	100	5.00	1	08/09/22	08/10/22 15:38	AWH
Lead	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Magnesium</b>	<b>103000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 17:11	AWH
<b>Manganese</b>	<b>5480</b>		ug/L	10.0	10.0	10	08/09/22	08/10/22 17:11	AWH
<b>Mercury</b>	<b>0.163</b>		ug/L	0.100	0.100	1	08/09/22	08/10/22 15:38	AWH
<b>Nickel</b>	<b>31.3</b>		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Potassium</b>	<b>6010</b>		ug/L	100	100	1	08/09/22	08/10/22 15:38	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
Silver	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Sodium</b>	<b>229000</b>		ug/L	1000	1000	10	08/09/22	08/10/22 17:11	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/09/22	08/10/22 15:38	AWH
<b>Zinc</b>	<b>13.2</b>		ug/L	4.00	4.00	1	08/09/22	08/10/22 15:38	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB01**

**2080812-09 (Nonpotable Water)**  
**Sample Date: 08/08/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.07		mg/L	0.02	0.02	1	08/15/22	08/15/22 17:09	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	14.5		mg/L	3.0	3.0	1	08/09/22	08/09/22 18:26	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	2623		uS/cm			1	08/09/22	08/09/22 15:31	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	734		mg/L	1.00	1.00	2	08/09/22	08/11/22 22:55	CRP
Nitrate	7.91		mg/L	0.050	0.050	1	08/09/22	08/09/22 19:46	CRP
Nitrate (as N)	1.79		mg/L	0.011	0.011	1	08/09/22	08/09/22 19:46	CRP
Sulfate	30.7		mg/L	0.3	0.3	1	08/09/22	08/09/22 19:46	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	14.8		mg/L	2.2	2.2	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	1360		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	112		mg/L	5.0	5.0	1	08/14/22	08/14/22 14:25	RP



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB01**

**2080812-09RE1 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/16/22	08/16/22 17:45	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:45	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:45	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
<b>Chlorobenzene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
<b>1,4-Dichlorobenzene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**OB01**

**2080812-09RE1 (Nonpotable Water)  
Sample Date: 08/08/22**

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	08/16/22	08/16/22 17:45	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:45	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:45	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 17:45	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:45	LL
<b>Methylene chloride</b>	<b>1.1</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 17:45	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 17:45	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	100 %	08/16/22		08/16/22 17:45		
<i>Surrogate: Toluene-d8</i>			75-120	100 %	08/16/22		08/16/22 17:45		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	99 %	08/16/22		08/16/22 17:45		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**TRIP BLANK**

**2080812-10 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/10/22	08/10/22 12:12	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:12	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Benzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:12	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**TRIP BLANK**

**2080812-10 (Nonpotable Water)**  
**Sample Date: 08/08/22**

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	08/10/22	08/10/22 12:12	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:12	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:12	LL
Isobutanol	ND		ug/L	100	100	1	08/10/22	08/10/22 12:12	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:12	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:12	LL
Styrene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Toluene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:12	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		111 %		08/10/22	08/10/22 12:12		
Surrogate: Toluene-d8		75-120		99 %		08/10/22	08/10/22 12:12		
Surrogate: 4-Bromofluorobenzene		75-120		97 %		08/10/22	08/10/22 12:12		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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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

**Reported:**  
 08/25/22 16:46

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208185 - pH (Paper or Meter)**

Reference (B208185-SRM1)

Prepared & Analyzed: 08/08/22

pH	6.93			pH Units	6.964		99	98.88-101.12		
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208225 - Turbidity Prep (EPA 180.1)**

**Blank (B208225-BLK1)**

Prepared & Analyzed: 08/09/22

Turbidity	ND		0.500	NTU						
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**Duplicate (B208225-DUP1)**

Source: 2080812-01

Prepared & Analyzed: 08/09/22

Turbidity	2.58		0.500	NTU	2.44			6	30	
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

**Blank (B208235-BLK1)**

Prepared & Analyzed: 08/10/22

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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

**Blank (B208235-BLK1)**

Prepared & Analyzed: 08/10/22

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	54.13			ug/L	50.00		108	70-130		
Surrogate: Toluene-d8	50.09			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	48.29			ug/L	50.00		97	75-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

**LCS (B208235-BS1)**

Prepared & Analyzed: 08/10/22

Acetone	10.3		5.0	ug/L	10.00		103	50-150		
Acrylonitrile	4.6	J	5.0	ug/L	5.000		92	50-150		
Benzene	5.0		1.0	ug/L	5.000		99	50-150		
Bromochloromethane	5.1		1.0	ug/L	5.000		103	50-150		
Bromodichloromethane	5.0		1.0	ug/L	5.000		101	50-150		
Bromoform	4.8		1.0	ug/L	5.000		96	50-150		
Bromomethane	5.0		1.0	ug/L	5.000		101	50-150		
2-Butanone (MEK)	8.3		5.0	ug/L	10.00		83	50-150		
Carbon disulfide	5.3		1.0	ug/L	5.000		107	50-150		
Carbon tetrachloride	4.9		1.0	ug/L	5.000		98	50-150		
Chlorobenzene	5.2		1.0	ug/L	5.000		103	50-150		
Chloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Chloroform	5.1		1.0	ug/L	5.000		102	50-150		
Chloromethane	5.3		1.0	ug/L	5.000		106	50-150		
Dibromochloromethane	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dibromo-3-chloropropane	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.1		1.0	ug/L	5.000		101	50-150		
1,2-Dichlorobenzene	5.4		1.0	ug/L	5.000		107	50-150		
1,4-Dichlorobenzene	5.9		1.0	ug/L	5.000		118	50-150		
1,1-Dichloroethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.000		99	50-150		
cis-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.000		98	50-150		
1,2-Dichloropropane	5.0		1.0	ug/L	5.000		100	50-150		
1,3-Dichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
2,2-Dichloropropane	5.2		1.0	ug/L	5.000		103	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.000		96	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		95	50-150		
trans-1,3-Dichloropropene	4.9		1.0	ug/L	5.000		98	50-150		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

**LCS (B208235-BS1)**

Prepared & Analyzed: 08/10/22

Ethylbenzene	5.2		1.0	ug/L	5.000		103	50-150		
2-Hexanone	10.9		5.0	ug/L	10.00		109	50-150		
Methyl tert-butyl ether (MTBE)	4.6		1.0	ug/L	5.000		92	50-150		
4-Methyl-2-pentanone	10.5		5.0	ug/L	10.00		105	50-150		
Methylene chloride	6.4		1.0	ug/L	5.000		127	0-200		
Methyl methacrylate	4.3	J	5.0	ug/L	5.000		85	50-150		
Styrene	5.2		1.0	ug/L	5.000		103	50-150		
1,1,1,2-Tetrachloroethane	4.8		1.0	ug/L	5.000		97	50-150		
1,1,2,2-Tetrachloroethane	5.0		1.0	ug/L	5.000		99	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.000		99	50-150		
Toluene	4.9		1.0	ug/L	5.000		99	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.000		97	50-150		
1,1,2-Trichloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Trichloroethene	4.8		1.0	ug/L	5.000		95	50-150		
Trichlorofluoromethane (Freon 11)	5.4		1.0	ug/L	5.000		109	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
Vinyl acetate	3.4		1.0	ug/L	5.000		68	50-150		
Vinyl chloride	5.1		1.0	ug/L	5.000		103	50-150		
o-Xylene	4.7		1.0	ug/L	5.000		94	50-150		
m- & p-Xylenes	10.2		1.0	ug/L	10.00		102	50-150		
Surrogate: 1,2-Dichloroethane-d4	52.64			ug/L	50.00		105	70-130		
Surrogate: Toluene-d8	50.43			ug/L	50.00		101	75-120		
Surrogate: 4-Bromofluorobenzene	49.51			ug/L	50.00		99	75-120		

**Duplicate (B208235-DUP1)**

Source: 2080505-02

Prepared & Analyzed: 08/10/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

Duplicate (B208235-DUP1)	Source: 2080505-02	Prepared & Analyzed: 08/10/22		
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	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208235-DUP1)</b>		<b>Source: 2080505-02</b>			<b>Prepared &amp; Analyzed: 08/10/22</b>		
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	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	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
Vinyl chloride	ND		1.0	ug/L	ND		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>	53.26			ug/L	50.00	107	70-130
<i>Surrogate: Toluene-d8</i>	49.88			ug/L	50.00	100	75-120
<i>Surrogate: 4-Bromofluorobenzene</i>	48.27			ug/L	50.00	97	75-120

<b>Matrix Spike (B208235-MS1)</b>		<b>Source: 2080504-01</b>			<b>Prepared &amp; Analyzed: 08/10/22</b>			
Acetone	11.1		5.0	ug/L	10.00	3.4	76	60-120
Acrylonitrile	10.3		5.0	ug/L	10.00	ND	103	0-200
Benzene	10.5		1.0	ug/L	10.00	ND	105	60-120
Bromochloromethane	9.9		1.0	ug/L	10.00	ND	99	60-120
Bromodichloromethane	10.0		1.0	ug/L	10.00	ND	100	60-120
Bromoform	10.1		1.0	ug/L	10.00	ND	101	60-120
Bromomethane	8.9		1.0	ug/L	10.00	ND	89	60-120
2-Butanone (MEK)	9.3		5.0	ug/L	10.00	ND	93	60-120



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

Matrix Spike (B208235-MS1)	Source: 2080504-01	Prepared & Analyzed: 08/10/22
Carbon disulfide	10.9	1.0 ug/L 10.00 ND 109 60-120
Carbon tetrachloride	10.4	1.0 ug/L 10.00 ND 104 60-120
Chlorobenzene	10.4	1.0 ug/L 10.00 ND 104 60-120
Chloroethane	10.9	1.0 ug/L 10.00 ND 109 60-120
Chloroform	10.4	1.0 ug/L 10.00 ND 104 60-120
Chloromethane	10.1	1.0 ug/L 10.00 ND 101 60-120
Dibromochloromethane	10.2	1.0 ug/L 10.00 ND 102 60-120
1,2-Dibromo-3-chloropropane	10.6	1.0 ug/L 10.00 ND 106 60-120
1,2-Dibromoethane (EDB)	9.8	1.0 ug/L 10.00 ND 98 60-120
Dibromomethane	9.9	1.0 ug/L 10.00 ND 99 60-120
1,2-Dichlorobenzene	10.4	1.0 ug/L 10.00 ND 104 60-120
1,4-Dichlorobenzene	10.5	1.0 ug/L 10.00 ND 105 60-120
1,1-Dichloroethane	10.3	1.0 ug/L 10.00 ND 103 60-120
1,2-Dichloroethane	10.7	1.0 ug/L 10.00 ND 107 60-120
1,1-Dichloroethene	10.3	1.0 ug/L 10.00 ND 103 60-120
cis-1,2-Dichloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
trans-1,2-Dichloroethene	10.3	1.0 ug/L 10.00 ND 103 60-120
1,2-Dichloropropane	10.2	1.0 ug/L 10.00 ND 102 60-120
1,3-Dichloropropane	10.2	1.0 ug/L 10.00 ND 102 60-120
2,2-Dichloropropane	8.7	1.0 ug/L 10.00 ND 87 60-120
1,1-Dichloropropene	10.5	1.0 ug/L 10.00 ND 105 60-120
cis-1,3-Dichloropropene	10.1	1.0 ug/L 10.00 ND 101 60-120
trans-1,3-Dichloropropene	9.9	1.0 ug/L 10.00 ND 99 60-120
Ethylbenzene	11.0	1.0 ug/L 10.00 ND 110 60-120
2-Hexanone	10.1	5.0 ug/L 10.00 ND 101 60-120
Methyl tert-butyl ether (MTBE)	9.9	1.0 ug/L 10.00 ND 99 60-120
4-Methyl-2-pentanone	10.0	5.0 ug/L 10.00 ND 100 60-120
Methylene chloride	10.0	1.0 ug/L 10.00 ND 100 60-120
Methyl methacrylate	8.9	5.0 ug/L 10.00 ND 89 60-120
Styrene	10.6	1.0 ug/L 10.00 ND 106 60-120
1,1,1,2-Tetrachloroethane	10.4	1.0 ug/L 10.00 ND 104 60-120

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.



Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208235 - GCMS-WATER-VOLATILES**

Matrix Spike (B208235-MS1)	Source: 2080504-01	Prepared & Analyzed: 08/10/22
1,1,2,2-Tetrachloroethane	9.9	1.0 ug/L 10.00 ND 99 60-120
Tetrachloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
Toluene	10.3	1.0 ug/L 10.00 ND 103 60-120
1,1,1-Trichloroethane	10.5	1.0 ug/L 10.00 ND 105 60-120
1,1,2-Trichloroethane	10.3	1.0 ug/L 10.00 ND 103 60-120
Trichloroethene	9.7	1.0 ug/L 10.00 ND 97 60-120
Trichlorofluoromethane (Freon 11)	11.3	1.0 ug/L 10.00 ND 113 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.00 ND 101 60-120
Vinyl acetate	8.3	1.0 ug/L 10.00 ND 83 60-120
Vinyl chloride	10.9	1.0 ug/L 10.00 ND 109 60-120
o-Xylene	10.0	1.0 ug/L 10.00 ND 100 60-120
m- & p-Xylenes	21.6	1.0 ug/L 20.00 ND 108 60-120
Surrogate: 1,2-Dichloroethane-d4	50.82	ug/L 50.00 102 70-130
Surrogate: Toluene-d8	50.18	ug/L 50.00 100 75-120
Surrogate: 4-Bromofluorobenzene	50.36	ug/L 50.00 101 75-120

**Batch B208269 - GCMS-WATER-VOLATILES**

Blank (B208269-BLK1)	Prepared & Analyzed: 08/11/22
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

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

**Blank (B208269-BLK1)**

Prepared & Analyzed: 08/11/22

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						
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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

**Blank (B208269-BLK1)**

Prepared & Analyzed: 08/11/22

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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	54.19			ug/L	50.00		108	70-130		
<i>Surrogate: Toluene-d8</i>	49.36			ug/L	50.00		99	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	48.68			ug/L	50.00		97	75-120		

**LCS (B208269-BS1)**

Prepared & Analyzed: 08/11/22

Acetone	10.5		5.0	ug/L	10.00		105	50-150		
Acrylonitrile	4.9	J	5.0	ug/L	5.000		97	50-150		
Benzene	5.1		1.0	ug/L	5.000		102	50-150		
Bromochloromethane	5.3		1.0	ug/L	5.000		107	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.000		104	50-150		
Bromoform	4.9		1.0	ug/L	5.000		98	50-150		
Bromomethane	5.2		1.0	ug/L	5.000		104	50-150		
2-Butanone (MEK)	9.3		5.0	ug/L	10.00		93	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.000		108	50-150		
Carbon tetrachloride	4.9		1.0	ug/L	5.000		98	50-150		
Chlorobenzene	5.1		1.0	ug/L	5.000		102	50-150		
Chloroethane	5.1		1.0	ug/L	5.000		101	50-150		
Chloroform	4.9		1.0	ug/L	5.000		97	50-150		
Chloromethane	5.2		1.0	ug/L	5.000		105	50-150		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

**LCS (B208269-BS1)**

Prepared & Analyzed: 08/11/22

Dibromochloromethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dibromo-3-chloropropane	5.6		1.0	ug/L	5.000		111	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.000		92	50-150		
Dibromomethane	5.1		1.0	ug/L	5.000		102	50-150		
1,2-Dichlorobenzene	5.6		1.0	ug/L	5.000		111	50-150		
1,4-Dichlorobenzene	5.7		1.0	ug/L	5.000		115	50-150		
1,1-Dichloroethane	4.7		1.0	ug/L	5.000		95	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.000		99	50-150		
1,1-Dichloroethene	4.7		1.0	ug/L	5.000		94	50-150		
cis-1,2-Dichloroethene	5.4		1.0	ug/L	5.000		107	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dichloropropane	4.8		1.0	ug/L	5.000		97	50-150		
1,3-Dichloropropane	5.0		1.0	ug/L	5.000		101	50-150		
2,2-Dichloropropane	4.9		1.0	ug/L	5.000		99	50-150		
1,1-Dichloropropene	5.0		1.0	ug/L	5.000		99	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		89	50-150		
trans-1,3-Dichloropropene	4.9		1.0	ug/L	5.000		97	50-150		
Ethylbenzene	5.2		1.0	ug/L	5.000		105	50-150		
2-Hexanone	10.9		5.0	ug/L	10.00		109	50-150		
Methyl tert-butyl ether (MTBE)	4.8		1.0	ug/L	5.000		95	50-150		
4-Methyl-2-pentanone	10.9		5.0	ug/L	10.00		109	50-150		
Methylene chloride	5.3		1.0	ug/L	5.000		107	0-200		
Methyl methacrylate	4.7	J	5.0	ug/L	5.000		94	50-150		
Styrene	4.9		1.0	ug/L	5.000		98	50-150		
1,1,1,2-Tetrachloroethane	4.9		1.0	ug/L	5.000		99	50-150		
1,1,2,2-Tetrachloroethane	5.1		1.0	ug/L	5.000		102	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.000		98	50-150		
Toluene	4.8		1.0	ug/L	5.000		95	50-150		
1,1,1-Trichloroethane	5.1		1.0	ug/L	5.000		101	50-150		
1,1,2-Trichloroethane	4.8		1.0	ug/L	5.000		96	50-150		
Trichloroethene	4.8		1.0	ug/L	5.000		95	50-150		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

**LCS (B208269-BS1)**

Prepared & Analyzed: 08/11/22

Trichlorofluoromethane (Freon 11)	5.1		1.0	ug/L	5.000		101	50-150		
1,2,3-Trichloropropane	5.3		1.0	ug/L	5.000		105	50-150		
Vinyl acetate	3.3		1.0	ug/L	5.000		66	50-150		
Vinyl chloride	5.2		1.0	ug/L	5.000		103	50-150		
o-Xylene	4.8		1.0	ug/L	5.000		96	50-150		
m- & p-Xylenes	10.0		1.0	ug/L	10.00		100	50-150		
Surrogate: 1,2-Dichloroethane-d4	52.95			ug/L	50.00		106	70-130		
Surrogate: Toluene-d8	49.83			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	50.86			ug/L	50.00		102	75-120		

**Duplicate (B208269-DUP1)**

Source: 2080812-01

Prepared & Analyzed: 08/11/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	2.2		1.0	ug/L		2.1			6	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	32.2		1.0	ug/L		31.0			4	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			0.7	20

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

Duplicate (B208269-DUP1)	Source: 2080812-01			Prepared & Analyzed: 08/11/22						
1,4-Dichlorobenzene	21.2		1.0	ug/L		19.9			6	20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	9.0		1.0	ug/L		8.4			7	20
1,2-Dichloroethane	1.6		1.0	ug/L		1.6			4	20
1,1-Dichloroethene	ND		1.0	ug/L		ND				20
cis-1,2-Dichloroethene	65.0		1.0	ug/L		61.7			5	20
trans-1,2-Dichloroethene	2.6		1.0	ug/L		2.1			23	20
1,2-Dichloropropane	3.5		1.0	ug/L		3.3			6	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)	1.6		1.0	ug/L		1.6			0	20
4-Methyl-2-pentanone	ND		5.0	ug/L		ND				20
Methylene chloride	401	E	1.0	ug/L		2.4			198	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	5.9		1.0	ug/L		6.4			8	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	6.2		1.0	ug/L		5.7			8	20
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L		ND				20

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208269-DUP1)</b>		<b>Source: 2080812-01</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>					
1,2,3-Trichloropropane	ND		1.0	ug/L		ND				20
Vinyl acetate	ND		1.0	ug/L		ND				20
Vinyl chloride	11.9		1.0	ug/L		11.1			8	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>52.30</i>			ug/L	<i>50.00</i>		<i>105</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>49.81</i>			ug/L	<i>50.00</i>		<i>100</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.18</i>			ug/L	<i>50.00</i>		<i>92</i>	<i>75-120</i>		

<b>Matrix Spike (B208269-MS1)</b>		<b>Source: 2080812-02</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>					
Acetone	9.9		5.0	ug/L	10.00	ND	99	60-120		
Acrylonitrile	10.4		5.0	ug/L	10.00	ND	104	0-200		
Benzene	12.9		1.0	ug/L	10.00	2.1	108	60-120		
Bromochloromethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
Bromodichloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Bromoform	9.9		1.0	ug/L	10.00	ND	99	60-120		
Bromomethane	4.5		1.0	ug/L	10.00	ND	45	60-120		
2-Butanone (MEK)	10.7		5.0	ug/L	10.00	ND	107	60-120		
Carbon disulfide	11.6		1.0	ug/L	10.00	ND	116	60-120		
Carbon tetrachloride	10.7		1.0	ug/L	10.00	ND	107	60-120		
Chlorobenzene	42.4		1.0	ug/L	10.00	30.9	115	60-120		
Chloroethane	11.5		1.0	ug/L	10.00	ND	115	60-120		
Chloroform	10.7		1.0	ug/L	10.00	ND	107	60-120		
Chloromethane	17.9		1.0	ug/L	10.00	ND	179	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dibromoethane (EDB)	10.0		1.0	ug/L	10.00	ND	100	60-120		
Dibromomethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,2-Dichlorobenzene	13.2		1.0	ug/L	10.00	2.9	104	60-120		
1,4-Dichlorobenzene	30.6		1.0	ug/L	10.00	20.3	104	60-120		
1,1-Dichloroethane	18.7		1.0	ug/L	10.00	8.4	104	60-120		
1,2-Dichloroethane	11.9		1.0	ug/L	10.00	1.7	102	60-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

Matrix Spike (B208269-MS1)	Source: 2080812-02		Prepared & Analyzed: 08/11/22							
1,1-Dichloroethene	11.0		1.0	ug/L	10.00	ND	110	60-120		
cis-1,2-Dichloroethene	72.2		1.0	ug/L	10.00	63.1	91	60-120		
trans-1,2-Dichloroethene	12.5		1.0	ug/L	10.00	2.3	102	60-120		
1,2-Dichloropropane	14.1		1.0	ug/L	10.00	3.8	103	60-120		
1,3-Dichloropropane	10.2		1.0	ug/L	10.00	ND	102	60-120		
2,2-Dichloropropane	9.2		1.0	ug/L	10.00	ND	92	60-120		
1,1-Dichloropropene	10.9		1.0	ug/L	10.00	ND	109	60-120		
cis-1,3-Dichloropropene	9.7		1.0	ug/L	10.00	ND	97	60-120		
trans-1,3-Dichloropropene	10.2		1.0	ug/L	10.00	ND	102	60-120		
Ethylbenzene	11.1		1.0	ug/L	10.00	ND	111	60-120		
2-Hexanone	10.3		5.0	ug/L	10.00	ND	103	60-120		
Methyl tert-butyl ether (MTBE)	11.4		1.0	ug/L	10.00	1.6	98	60-120		
4-Methyl-2-pentanone	10.2		5.0	ug/L	10.00	ND	102	60-120		
Methylene chloride	374	E	1.0	ug/L	10.00	2.5	NR	60-120		
Methyl methacrylate	9.7		5.0	ug/L	10.00	ND	97	60-120		
Styrene	8.6		1.0	ug/L	10.00	ND	86	60-120		
1,1,1,2-Tetrachloroethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,1,2,2-Tetrachloroethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
Tetrachloroethene	16.9		1.0	ug/L	10.00	6.4	105	60-120		
Toluene	10.8		1.0	ug/L	10.00	ND	108	60-120		
1,1,1-Trichloroethane	10.7		1.0	ug/L	10.00	ND	107	60-120		
1,1,2-Trichloroethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
Trichloroethene	16.0		1.0	ug/L	10.00	5.8	102	60-120		
Trichlorofluoromethane (Freon 11)	13.0		1.0	ug/L	10.00	ND	130	60-120		
1,2,3-Trichloropropane	10.8		1.0	ug/L	10.00	ND	108	60-120		
Vinyl acetate	8.8		1.0	ug/L	10.00	ND	88	60-120		
Vinyl chloride	23.0		1.0	ug/L	10.00	11.3	117	60-120		
o-Xylene	10.2		1.0	ug/L	10.00	ND	102	60-120		
m- & p-Xylenes	21.9		1.0	ug/L	20.00	ND	110	60-120		
Surrogate: 1,2-Dichloroethane-d4	50.85			ug/L	50.00		102	70-130		
Surrogate: Toluene-d8	50.57			ug/L	50.00		101	75-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208269 - GCMS-WATER-VOLATILES**

**Matrix Spike (B208269-MS1)**

Source: 2080812-02

Prepared & Analyzed: 08/11/22

Surrogate: 4-Bromofluorobenzene 49.72 ug/L 50.00 99 75-120

**Batch B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

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	1.2		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	49.72			ug/L	50.00		99	70-130		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

Surrogate: Toluene-d8	49.91			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	49.14			ug/L	50.00		98	75-120		

**Duplicate (B208367-DUP1)**

Source: 2081020-01

Prepared & Analyzed: 08/16/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				20
1,4-Dichlorobenzene	ND		1.0	ug/L		ND				20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				20
trans-1,2-Dichloroethene	ND		1.0	ug/L		ND				20

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208367 - GCMS-WATER-VOLATILES**

Duplicate (B208367-DUP1)	Source: 2081020-01		Prepared & Analyzed: 08/16/22							
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	1.1	B	1.0	ug/L		1.0			7	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		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	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
Vinyl chloride	ND		1.0	ug/L		ND				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	57.87			ug/L	50.00		116	70-130		
Surrogate: Toluene-d8	50.43			ug/L	50.00		101	75-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208367 - GCMS-WATER-VOLATILES**

**Duplicate (B208367-DUP1)**

Source: 2081020-01

Prepared & Analyzed: 08/16/22

Surrogate: 4-Bromofluorobenzene 49.59 ug/L 50.00 99 75-120

**Matrix Spike (B208367-MS1)**

Source: 2081020-02

Prepared & Analyzed: 08/16/22

Acetone	16.6		5.0	ug/L	10.00	7.9	87	60-120		
Acrylonitrile	10.4		5.0	ug/L	10.00	ND	104	0-200		
Benzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Bromochloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Bromodichloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
Bromoform	8.7		1.0	ug/L	10.00	ND	87	60-120		
Bromomethane	12.3		1.0	ug/L	10.00	ND	123	60-120		
2-Butanone (MEK)	9.7		5.0	ug/L	10.00	ND	97	60-120		
Carbon disulfide	10.6		1.0	ug/L	10.00	ND	106	60-120		
Carbon tetrachloride	10.5		1.0	ug/L	10.00	ND	105	60-120		
Chlorobenzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloroethane	11.2		1.0	ug/L	10.00	ND	112	60-120		
Chloroform	10.8		1.0	ug/L	10.00	ND	108	60-120		
Chloromethane	11.5		1.0	ug/L	10.00	ND	115	60-120		
Dibromochloromethane	9.5		1.0	ug/L	10.00	ND	95	60-120		
1,2-Dibromo-3-chloropropane	8.3		1.0	ug/L	10.00	ND	83	60-120		
1,2-Dibromoethane (EDB)	9.9		1.0	ug/L	10.00	ND	99	60-120		
Dibromomethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,2-Dichlorobenzene	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,4-Dichlorobenzene	10.7		1.0	ug/L	10.00	ND	107	60-120		
1,1-Dichloroethane	13.2		1.0	ug/L	10.00	2.4	108	60-120		
1,2-Dichloroethane	11.4		1.0	ug/L	10.00	ND	114	60-120		
1,1-Dichloroethene	9.7		1.0	ug/L	10.00	ND	97	60-120		
cis-1,2-Dichloroethene	16.5		1.0	ug/L	10.00	6.3	102	60-120		
trans-1,2-Dichloroethene	10.1		1.0	ug/L	10.00	ND	101	60-120		
1,2-Dichloropropane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,3-Dichloropropane	10.4		1.0	ug/L	10.00	ND	104	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.00	ND	87	60-120		
1,1-Dichloropropene	10.0		1.0	ug/L	10.00	ND	100	60-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208367 - GCMS-WATER-VOLATILES**

Matrix Spike (B208367-MS1)	Source: 2081020-02			Prepared & Analyzed: 08/16/22						
cis-1,3-Dichloropropene	9.1		1.0	ug/L	10.00	ND	91	60-120		
trans-1,3-Dichloropropene	9.4		1.0	ug/L	10.00	ND	94	60-120		
Ethylbenzene	10.3		1.0	ug/L	10.00	ND	103	60-120		
2-Hexanone	8.9		5.0	ug/L	10.00	ND	89	60-120		
Methyl tert-butyl ether (MTBE)	9.1		1.0	ug/L	10.00	ND	91	60-120		
4-Methyl-2-pentanone	9.2		5.0	ug/L	10.00	ND	92	60-120		
Methylene chloride	10.9	B	1.0	ug/L	10.00	1.5	94	60-120		
Methyl methacrylate	8.5		5.0	ug/L	10.00	ND	85	60-120		
Styrene	5.1		1.0	ug/L	10.00	ND	51	60-120		
1,1,1,2-Tetrachloroethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,1,2,2-Tetrachloroethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
Tetrachloroethene	11.2		1.0	ug/L	10.00	1.5	98	60-120		
Toluene	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,1,1-Trichloroethane	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1,2-Trichloroethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
Trichloroethene	12.5		1.0	ug/L	10.00	1.9	106	60-120		
Trichlorofluoromethane (Freon 11)	11.9		1.0	ug/L	10.00	ND	119	60-120		
1,2,3-Trichloropropane	10.4		1.0	ug/L	10.00	ND	104	60-120		
Vinyl acetate	6.3		1.0	ug/L	10.00	ND	63	60-120		
Vinyl chloride	11.6		1.0	ug/L	10.00	ND	116	60-120		
o-Xylene	9.3		1.0	ug/L	10.00	ND	93	60-120		
m- & p-Xylenes	20.5		1.0	ug/L	20.00	ND	102	60-120		
Surrogate: 1,2-Dichloroethane-d4	53.32			ug/L	50.00		107	70-130		
Surrogate: Toluene-d8	50.32			ug/L	50.00		101	75-120		
Surrogate: 4-Bromofluorobenzene	52.08			ug/L	50.00		104	75-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208337 - 504.1 EDB/DBCP</b>										
<b>Blank (B208337-BLK1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208337-BLK2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208337-BS1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.1000		85	70-130		
1,2-Dibromoethane (EDB)	0.099		0.020	ug/L	0.1000		99	70-130		
<b>LCS (B208337-BS2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	0.090		0.050	ug/L	0.1000		90	70-130		
1,2-Dibromoethane (EDB)	0.109		0.020	ug/L	0.1000		109	70-130		
<b>Matrix Spike (B208337-MS1)</b>			<b>Source: 2080417-01</b>			Prepared & Analyzed: 08/15/22				
1,2-Dibromo-3-chloropropane	0.201		0.047	ug/L	0.1872	ND	107	70-130		
1,2-Dibromoethane (EDB)	0.163		0.019	ug/L	0.1872	ND	87	70-130		
<b>Matrix Spike (B208337-MS2)</b>			<b>Source: 2080812-03</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
1,2-Dibromo-3-chloropropane	0.164		0.047	ug/L	0.1882	ND	87	70-130		
1,2-Dibromoethane (EDB)	0.196		0.019	ug/L	0.1882	ND	104	70-130		
<b>Reference (B208337-SRM1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.02000		119	0-200		
<b>Reference (B208337-SRM2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.026		0.020	ug/L	0.02000		132	0-200		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208206 - 3010A-Metals Digestion**

**Blank (B208206-BLK1)**

Prepared: 08/09/22 Analyzed: 08/10/22

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	90.1	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 (B208206-BS1)**

Prepared: 08/09/22 Analyzed: 08/10/22

Antimony	49.4		1.00	ug/L	50.00		99	80-120		
Arsenic	49.4		1.00	ug/L	50.00		99	80-120		
Barium	50.3		1.00	ug/L	50.00		101	80-120		
Beryllium	50.6		1.00	ug/L	50.00		101	80-120		
Cadmium	51.1		1.00	ug/L	50.00		102	80-120		
Calcium	5440	B	80.0	ug/L	5000		109	80-120		
Chromium	50.7		1.00	ug/L	50.00		101	80-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208206 - 3010A-Metals Digestion**

**LCS (B208206-BS1)**

Prepared: 08/09/22 Analyzed: 08/10/22

Cobalt	51.7		1.00	ug/L	50.00		103	80-120		
Copper	52.9		1.00	ug/L	50.00		106	80-120		
Iron	5120		100	ug/L	5000		102	80-120		
Lead	48.7		1.00	ug/L	50.00		97	80-120		
Magnesium	5420		100	ug/L	5000		108	80-120		
Manganese	50.0		1.00	ug/L	50.00		100	80-120		
Mercury	2.50		0.100	ug/L	2.500		100	80-120		
Nickel	50.6		1.00	ug/L	50.00		101	80-120		
Potassium	5240		100	ug/L	5000		105	80-120		
Selenium	47.3		1.00	ug/L	50.00		95	80-120		
Silver	53.2		1.00	ug/L	50.00		106	80-120		
Sodium	5390		100	ug/L	5000		108	80-120		
Thallium	50.2		1.00	ug/L	50.00		100	80-120		
Vanadium	49.6		1.00	ug/L	50.00		99	80-120		
Zinc	129	S-98	4.00	ug/L	100.0		129	80-120		

**Duplicate (B208206-DUP1)**

Source: 2080419-01

Prepared: 08/09/22 Analyzed: 08/10/22

Hardness as CaCO3	100000		500	ug/L		102000			2	200
Antimony	ND		1.00	ug/L		ND				20
Arsenic	1.10		1.00	ug/L		1.15			4	20
Barium	128		1.00	ug/L		131			2	20
Beryllium	ND		1.00	ug/L		ND				20
Cadmium	ND		1.00	ug/L		ND				20
Calcium	25200	B	80.0	ug/L		25800			3	20
Chromium	5.40		1.00	ug/L		5.41			0.2	20
Cobalt	3.50		1.00	ug/L		3.60			3	20
Copper	4.53		1.00	ug/L		4.70			4	20
Iron	7280		100	ug/L		7370			1	20
Lead	2.03		1.00	ug/L		2.10			3	20
Magnesium	9020		100	ug/L		9160			2	20
Manganese	143		1.00	ug/L		144			1	20
Mercury	ND		0.100	ug/L		ND				20

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208206 - 3010A-Metals Digestion**

<b>Duplicate (B208206-DUP1)</b>		<b>Source: 2080419-01</b>		<b>Prepared: 08/09/22</b>		<b>Analyzed: 08/10/22</b>		
Nickel	6.01		1.00	ug/L	5.98		0.5	20
Potassium	4260		100	ug/L	4320		1	20
Selenium	ND		1.00	ug/L	ND			20
Silver	ND		1.00	ug/L	ND			20
Sodium	116000	E	100	ug/L	129000		10	20
Thallium	ND		1.00	ug/L	ND			20
Vanadium	5.07		1.00	ug/L	5.06		0.2	20
Zinc	15.4		4.00	ug/L	14.7		5	20

<b>Matrix Spike (B208206-MS1)</b>		<b>Source: 2080419-01</b>		<b>Prepared: 08/09/22</b>		<b>Analyzed: 08/10/22</b>		
Antimony	44.9		1.00	ug/L	50.00	ND	90	75-125
Arsenic	49.4		1.00	ug/L	50.00	1.15	97	75-125
Barium	181		1.00	ug/L	50.00	131	100	75-125
Beryllium	51.6		1.00	ug/L	50.00	ND	103	75-125
Cadmium	49.9		1.00	ug/L	50.00	ND	100	75-125
Calcium	30300	B	80.0	ug/L	5000	25800	90	75-125
Chromium	55.0		1.00	ug/L	50.00	5.41	99	75-125
Cobalt	53.6		1.00	ug/L	50.00	3.60	100	75-125
Copper	54.2		1.00	ug/L	50.00	4.70	99	75-125
Iron	12400		100	ug/L	5000	7370	100	75-125
Lead	49.9		1.00	ug/L	50.00	2.10	96	75-125
Magnesium	14300		100	ug/L	5000	9160	103	75-125
Manganese	192		1.00	ug/L	50.00	144	96	75-125
Mercury	2.53		0.100	ug/L	2.500	ND	101	75-125
Nickel	54.8		1.00	ug/L	50.00	5.98	98	75-125
Potassium	9620		100	ug/L	5000	4320	106	75-125
Selenium	47.2		1.00	ug/L	50.00	ND	94	75-125
Silver	50.1		1.00	ug/L	50.00	ND	100	75-125
Sodium	121000	QM-4X, E	100	ug/L	5000	129000	NR	75-125
Thallium	49.4		1.00	ug/L	50.00	ND	99	75-125
Vanadium	54.7		1.00	ug/L	50.00	5.06	99	75-125
Zinc	122		4.00	ug/L	100.0	14.7	107	75-125

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208348 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208348-BLK1)</b>					Prepared & Analyzed: 08/15/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208348-BS1)</b>					Prepared & Analyzed: 08/15/22					
Ammonia as N	0.50		0.02	mg/L	0.5000		100	80-120		
<b>Duplicate (B208348-DUP1)</b>					Source: 2080812-01 Prepared & Analyzed: 08/15/22					
Ammonia as N	0.08		0.02	mg/L		0.08			1	200
<b>Matrix Spike (B208348-MS1)</b>					Source: 2080812-01 Prepared & Analyzed: 08/15/22					
Ammonia as N	0.51		0.02	mg/L	0.5000	0.08	85	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208184 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208184-BLK1)</b>					Prepared & Analyzed: 08/09/22					
COD	ND		3.0	mg/L						
<b>LCS (B208184-BS1)</b>					Prepared & Analyzed: 08/09/22					
COD	55.1		3.0	mg/L	50.00		110	90-110		
<b>Duplicate (B208184-DUP1)</b>					Source: 2080812-01 Prepared & Analyzed: 08/09/22					
COD	44.5		3.0	mg/L		47.1			6	20
<b>Matrix Spike (B208184-MS1)</b>					Source: 2080812-01 Prepared & Analyzed: 08/09/22					
COD	99.8		3.0	mg/L	50.00	47.1	105	90-110		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

**Reported:**  
 08/25/22 16:46

**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 B208198 - Conductivity (SM 2510B)**

<b>Duplicate (B208198-DUP1)</b>		<b>Source: 2080812-01</b>		<b>Prepared &amp; Analyzed: 08/09/22</b>						
Conductivity	2021			uS/cm	2069			2		20



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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208195 - 300.0 Anions Prep**

**Blank (B208195-BLK1)**

Prepared & Analyzed: 08/09/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208195-BS1)**

Prepared & Analyzed: 08/09/22

Chloride	3.86		0.500	mg/L	4.000		97	90-110		
Nitrate	3.61		0.050	mg/L	4.000		90	90-110		
Nitrate (as N)	0.815		0.011	mg/L				90-110		
Sulfate	4.1		0.3	mg/L	4.000		102	90-110		

**Duplicate (B208195-DUP1)**

Source: 2080812-01

Prepared & Analyzed: 08/09/22

Chloride	461		0.500	mg/L		461			0.06	20
Nitrate	ND		0.050	mg/L		ND				200
Nitrate (as N)	ND		0.011	mg/L		ND				200
Sulfate	10.6		0.3	mg/L		10.2			4	20

**Matrix Spike (B208195-MS1)**

Source: 2080812-01

Prepared & Analyzed: 08/09/22

Chloride	444	QM-4X	0.500	mg/L	4.000	461	NR	80-120		
Nitrate	3.27		0.050	mg/L	4.000	ND	82	80-120		
Nitrate (as N)	0.738		0.011	mg/L		ND		80-120		
Sulfate	13.8		0.3	mg/L	4.000	10.2	89	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**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 B208338 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208338-BLK1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	ND		2.5	mg/L						
<b>Blank (B208338-BLK2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208338-BS1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	45.3		2.5	mg/L	55.20		82	70-130		
<b>LCS (B208338-BS2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	63.1		2.5	mg/L	61.80		102	70-130		
<b>Duplicate (B208338-DUP1)</b>			<b>Source: 2080812-01</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
Solids, Suspended	8.9	QM-08	4.1	mg/L		11.5			26	20
<b>Duplicate (B208338-DUP2)</b>			<b>Source: 2080912-08</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
Solids, Suspended	120	QM-08	4.4	mg/L		226			61	20



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208311 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208311-BLK1)</b>					Prepared: 08/12/22 Analyzed: 08/15/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208311-BS1)</b>					Prepared: 08/12/22 Analyzed: 08/15/22					
Solids, Dissolved	756		10.0	mg/L	805.5		94	90-110		
<b>Duplicate (B208311-DUP1)</b>			<b>Source: 2080812-01</b>			Prepared: 08/12/22 Analyzed: 08/15/22				
Solids, Dissolved	1150		10.0	mg/L		1110			4	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch 847924 - SM 2320B**

<b>BLANK (4664872)</b>			Prepared & Analyzed: 08/14/22							
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4664873)</b>			Prepared & Analyzed: 08/14/22							
Alkalinity, Total as CaCO3	103%		5.0	mg/L	250		103	90-110		
<b>DUP (4664875)</b>			Source: 2080812-06		Prepared & Analyzed: 08/14/22					
Alkalinity, Total as CaCO3	175		5.0	mg/L		178		-	2	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 16:46

**Notes and Definitions**

- S-98 Spike recovery outside of established control limits.
- 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-08 The RPD exceeded QC acceptance limits. Sample results for this QC batch were accepted based on 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-07 This sample was received outside of the EPA recommended holding time.
- L Analyte is a possible laboratory contaminant
- 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).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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



Rabecka Koons, Quality Assurance Officer

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Company Name: EA Engineering		Project Manager: Laura Oakes		Analysis Requested						CHAIN-OF-CUSTODY RECORD							
Project Name: GUDE Landfill		Project ID: 155604		8260LL VOC and 8011*		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen	
Sampler(s): H. Flowers, M. Kraham		P.O. Number: 24080		No. of Containers		Date		Time		Water		Soil		Other		Matrix Codes: NW (non-potable water) PW (potable water)	
Field Sample ID		Date		Time		Water		Soil		Other		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	
0B11	8/8/22	815	X										X				2080812-01 A
0B50																	-02
0B11A		857															-03
MW-Z1B		1011															-04
MW-Z1A		1100															-05
0B12		1220															-06
0B015		1300															-07
MW-6		1420															-08
0B01		1500															-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>Hannah Flowers</i> (Printed)	Date/Time 8/8/22	Received by: (Signature) <i>[Signature]</i> (Printed)	Date/Time 8/8/22	Relinquished by: (Signature) <i>[Signature]</i> (Printed)	Date/Time 8/8/22	Received by: (Signature) <i>[Signature]</i> (Printed)
Relinquished by: (Signature) <i>Hannah Flowers</i> (Printed)	Date/Time 8-8-22 16:32	Received by Lab: (Signature) <i>[Signature]</i> (Printed) <i>Lori Foster</i>	Date/Time 8-8-22 16:32	Turn Around Time: <input 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: _____	Lab Use: Temp: _____ °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days

**SUBCONTRACT ORDER**  
Maryland Spectral Services

2080812

WO#: 35738065  
35738065

**SENDING LABORATORY:**

Maryland Spectral Services  
1500 Caton Center Dr. Suite G  
Halethorpe, MD 21227  
Phone: 410.247.7600  
Project Manager: Cory Koons

**RECEIVING LABORATORY:**

Pace Labs-FL  
8 East Tower Circle  
Ormond Beach, FL 32174  
Phone : (386) 672-5668  
Fax:

Reports Email: [Reporting@mdspectral.com](mailto:Reporting@mdspectral.com)

**Due 4:00 PM 08/17/22**

Laboratory ID      Comments

Sample ID: 2080812-01      OB11      Water      Sampled: 08/08/22 08:15

*Alkalinity*

*Containers Supplied:*

Plastic, 0.5L None (F)

Sample ID: 2080812-02      OB50      Water      Sampled: 08/08/22 00:00

*Alkalinity*

*Containers Supplied:*

Plastic, 0.5L None (F)

Sample ID: 2080812-03      OB11A      Water      Sampled: 08/08/22 08:57

*Alkalinity*

*Containers Supplied:*

Plastic, 0.5L None (F)

Sample ID: 2080812-04      MW-21B      Water      Sampled: 08/08/22 10:11

*Alkalinity*

*Containers Supplied:*

Plastic, 0.5L None (F)

Released By: *[Signature]*      Date: 8-9-22      Received By: *[Signature]*      Date: 8-9-22  
 Released By: *[Signature]*      Date: 8-8-22      Received By: *[Signature]*      Date: 8-10-22  
 Released By: *[Signature]*      Date: 8-8-22      Received By: *[Signature]*      Date: 8-10-22

**SUBCONTRACT ORDER**  
 Maryland Spectral Services  
 2080812

**Due 4:00 PM 08/17/22**

Laboratory ID

Comments

Sample ID: 2080812-05 MW-21A

Water Sampled: 08/08/22 11:00

Water

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2080812-06 OB12

Water Sampled: 08/08/22 12:20

Water

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2080812-07 OB015

Water Sampled: 08/08/22 13:00

Water

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2080812-08 MW-6

Water Sampled: 08/08/22 14:20

Water

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2080812-09 OB01

Water Sampled: 08/08/22 15:00

Water

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Released By: *[Signature]* Date: 8-9-22  
 Received By: *TB/PACE* Date: 8-9-22  
 Released By: *TB/PACE* Date: 8-9-22  
 Received By: *[Signature]* Date: 8-9-22  
 15:32

25 August 2022

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 08/09/22 15:08.

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,



Rabecka Koons  
Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9		2080912-01	Nonpotable Water	08/09/22 09:07	08/09/22 15:08
MW-11B		2080912-02	Nonpotable Water	08/09/22 10:05	08/09/22 15:08
MW-11A		2080912-03	Nonpotable Water	08/09/22 10:20	08/09/22 15:08
MW-10		2080912-04	Nonpotable Water	08/09/22 10:45	08/09/22 15:08
MW-14B		2080912-05	Nonpotable Water	08/09/22 11:51	08/09/22 15:08
MW-14A		2080912-06	Nonpotable Water	08/09/22 12:30	08/09/22 15:08
MW-15		2080912-07	Nonpotable Water	08/09/22 13:01	08/09/22 15:08
MW-12		2080912-08	Nonpotable Water	08/09/22 14:00	08/09/22 15:08
TRIP BLANK		2080912-09	Nonpotable Water	08/09/22 00:00	08/09/22 15:08

**Narrative**

On Thursday, August 11, 2022, MSS experienced a significant methylene chloride contamination event. Methylene chloride backflushed into our nitrogen gas lines as liquid nitrogen was being refilled by the vendor. This contamination primarily impacted our GC/MS volatiles analysis where methylene chloride is a target compound. Steps were taken to reduce the contamination over multiple days in an effort to remedy the issue. The client was notified and it was agreed that MSS would continue analysis in order to meet holding times. Samples with impacted methylene chloride are "L" flagged to identify where the positive result is believed to be due to laboratory contamination.



Rabecka Koons, Quality Assurance Officer

*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.*



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-9**

**2080912-01 (Nonpotable Water)  
Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	226		NTU	5.00	1.10	10	08/10/22	08/10/22 15:36	VVD
<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	08/15/22	08/16/22 04:42	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 04:42	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	61100		ug/L	500	500	1	08/11/22	08/11/22 22:18	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Barium	94.8		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Calcium	8300	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:18	AWH
Chromium	22.6		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Cobalt	8.03		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Copper	9.94		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Iron	9710		ug/L	100	5.00	1	08/11/22	08/11/22 22:18	AWH
Lead	6.58		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Magnesium	9800		ug/L	100	100	1	08/11/22	08/11/22 22:18	AWH
Manganese	323		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:18	AWH
Nickel	20.6		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Potassium	3340		ug/L	100	100	1	08/11/22	08/11/22 22:18	AWH
Selenium	1.51		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Sodium	5000		ug/L	100	100	1	08/11/22	08/11/22 22:18	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Vanadium	12.5		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:18	AWH
Zinc	77.1	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:18	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-9**

**2080912-01 (Nonpotable Water)  
Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.12		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:15	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	ND		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:11	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	159.3		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	30.1		mg/L	0.500	0.500	1	08/09/22	08/09/22 21:37	CRP
Nitrate	8.51		mg/L	0.050	0.050	1	08/09/22	08/09/22 21:37	CRP
Nitrate (as N)	1.92		mg/L	0.011	0.011	1	08/09/22	08/09/22 21:37	CRP
Sulfate	ND		mg/L	0.3	0.3	1	08/09/22	08/09/22 21:37	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	3410		mg/L	17.9	17.9	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	106		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	15.7		mg/L	5.0	5.0	1	08/17/22	08/17/22 13:46	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-9**

**2080912-01RE1 (Nonpotable Water)  
Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.47</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:31	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:31	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:31	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-9**

**2080912-01RE1 (Nonpotable Water)  
Sample Date: 08/09/22**

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>									
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:31	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:31	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 18:31	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:31	LL
<b>Methylene chloride</b>	<b>1.2</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:31	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
<b>Tetrachloroethene</b>	<b>2.6</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:31	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/16/22		08/16/22 18:31		
Surrogate: Toluene-d8			75-120	98 %	08/16/22		08/16/22 18:31		
Surrogate: 4-Bromofluorobenzene			75-120	101 %	08/16/22		08/16/22 18:31		

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*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11B**

**2080912-02 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	6.27	O-07	pH Units			1	08/09/22	08/09/22 17:52	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	21.2		NTU	0.500	0.110	1	08/10/22	08/10/22 15:38	VVD
<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	08/15/22	08/16/22 06:50	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 06:50	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	99300		ug/L	500	500	1	08/11/22	08/11/22 22:20	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Barium	26.8		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Calcium	20500	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:20	AWH
Chromium	3.81		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Cobalt	1.22		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Copper	2.86		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Iron	1820		ug/L	100	5.00	1	08/11/22	08/11/22 22:20	AWH
Lead	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Magnesium	11700		ug/L	100	100	1	08/11/22	08/11/22 22:20	AWH
Manganese	35.7		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:20	AWH
Nickel	2.19		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Potassium	1180		ug/L	100	100	1	08/11/22	08/11/22 22:20	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Sodium	10800		ug/L	100	100	1	08/11/22	08/11/22 22:20	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Vanadium	7.32		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:20	AWH
Zinc	6.24	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:20	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11B**

**2080912-02 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:15	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	7.8		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:11	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	251.9		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	26.8		mg/L	0.500	0.500	1	08/09/22	08/09/22 21:55	CRP
Nitrate	13.6		mg/L	0.050	0.050	1	08/09/22	08/09/22 21:55	CRP
Nitrate (as N)	3.07		mg/L	0.011	0.011	1	08/09/22	08/09/22 21:55	CRP
Sulfate	2.7		mg/L	0.3	0.3	1	08/09/22	08/09/22 21:55	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	24.0		mg/L	2.2	2.2	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	166		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	72.6		mg/L	5.0	5.0	1	08/17/22	08/17/22 13:53	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11B**

**2080912-02RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 18:54	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:54	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:54	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
<b>Chloroform</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
<b>cis-1,2-Dichloroethene</b>	<b>8.0</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11B**

**2080912-02RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 18:54	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:54	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:54	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 18:54	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:54	LL
<b>Methylene chloride</b>	<b>1.2</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 18:54	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
<b>Tetrachloroethene</b>	<b>9.9</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
<b>Trichloroethene</b>	<b>4.6</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 18:54	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %			08/16/22	08/16/22 18:54	
Surrogate: Toluene-d8			75-120	100 %			08/16/22	08/16/22 18:54	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/16/22	08/16/22 18:54	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11A**

**2080912-03 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	5.48	O-07	pH Units			1	08/09/22	08/09/22 17:52	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	194		NTU	5.00	1.10	10	08/10/22	08/10/22 15:45	VVD
<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	08/15/22	08/16/22 07:12	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 07:12	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	89300		ug/L	500	500	1	08/11/22	08/11/22 22:23	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Barium	111		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Calcium	17800	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:23	AWH
Chromium	23.1		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Cobalt	7.62		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Copper	15.2		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Iron	12900		ug/L	100	5.00	1	08/11/22	08/11/22 22:23	AWH
Lead	4.76		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Magnesium	10900		ug/L	100	100	1	08/11/22	08/11/22 22:23	AWH
Manganese	218		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:23	AWH
Nickel	21.0		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Potassium	2460		ug/L	100	100	1	08/11/22	08/11/22 22:23	AWH
Selenium	1.30		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Sodium	6280		ug/L	100	100	1	08/11/22	08/11/22 22:23	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Vanadium	24.5		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:23	AWH
Zinc	52.3	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:23	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11A**

**2080912-03 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.13		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:15	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	5.8		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:12	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	184.6		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	21.5		mg/L	0.500	0.500	1	08/09/22	08/09/22 22:14	CRP
Nitrate	14.7		mg/L	0.050	0.050	1	08/09/22	08/09/22 22:14	CRP
Nitrate (as N)	3.33		mg/L	0.011	0.011	1	08/09/22	08/09/22 22:14	CRP
Sulfate	7.8		mg/L	0.3	0.3	1	08/09/22	08/09/22 22:14	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	2190		mg/L	15.6	15.6	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	128		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	29.4		mg/L	5.0	5.0	1	08/17/22	08/17/22 14:17	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11A**

**2080912-03RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 19:18	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:18	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:18	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-11A**

**2080912-03RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 19:18	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:18	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:18	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 19:18	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:18	LL
<b>Methylene chloride</b>	<b>1.2</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:18	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:18	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>				70-130	108 %		08/16/22	08/16/22 19:18	
<i>Surrogate: Toluene-d8</i>				75-120	99 %		08/16/22	08/16/22 19:18	
<i>Surrogate: 4-Bromofluorobenzene</i>				75-120	104 %		08/16/22	08/16/22 19:18	

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-10**

**2080912-04 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	5.88	O-07	pH Units			1	08/09/22	08/09/22 17:52	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	153		NTU	5.00	1.10	10	08/10/22	08/10/22 15:52	VVD
<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	08/15/22	08/16/22 07:34	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 07:34	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	79000		ug/L	500	500	1	08/11/22	08/11/22 22:40	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Barium	249		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Calcium	11500	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:40	AWH
Chromium	21.1		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Cobalt	12.0		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Copper	50.9		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Iron	20600		ug/L	100	5.00	1	08/11/22	08/11/22 22:40	AWH
Lead	8.66		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Magnesium	12200		ug/L	100	100	1	08/11/22	08/11/22 22:40	AWH
Manganese	348		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:40	AWH
Nickel	22.1		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Potassium	5920		ug/L	100	100	1	08/11/22	08/11/22 22:40	AWH
Selenium	2.28		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Sodium	6770		ug/L	100	100	1	08/11/22	08/11/22 22:40	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Vanadium	47.5		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:40	AWH
Zinc	112	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:40	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-10**

**2080912-04 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:16	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	16.0		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:12	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	123.2		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	2.40		mg/L	0.500	0.500	1	08/09/22	08/09/22 23:28	CRP
Nitrate	0.977		mg/L	0.050	0.050	1	08/09/22	08/09/22 23:28	CRP
Nitrate (as N)	0.221		mg/L	0.011	0.011	1	08/09/22	08/09/22 23:28	CRP
Sulfate	8.1		mg/L	0.3	0.3	1	08/09/22	08/09/22 23:28	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	491		mg/L	15.6	15.6	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	92.5		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	48.9		mg/L	5.0	5.0	1	08/17/22	08/17/22 14:25	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-10**

**2080912-04RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 19:41	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:41	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:41	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-10**

**2080912-04RE1 (Nonpotable Water)  
Sample Date: 08/09/22**

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	08/16/22	08/16/22 19:41	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:41	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:41	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 19:41	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:41	LL
<b>Methylene chloride</b>	<b>1.0</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 19:41	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 19:41	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	108 %	08/16/22		08/16/22 19:41		
<i>Surrogate: Toluene-d8</i>			75-120	100 %	08/16/22		08/16/22 19:41		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	100 %	08/16/22		08/16/22 19:41		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14B**

**2080912-05 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	5.78	O-07	pH Units			1	08/09/22	08/09/22 17:52	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	12.4		NTU	0.500	0.110	1	08/10/22	08/10/22 15:55	VVD
<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	08/15/22	08/16/22 07:55	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 07:55	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	74500		ug/L	500	500	1	08/11/22	08/11/22 22:42	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Barium	21.2		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Calcium	15500	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:42	AWH
Chromium	3.80		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Copper	2.22		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Iron	1170		ug/L	100	5.00	1	08/11/22	08/11/22 22:42	AWH
Lead	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Magnesium	8720		ug/L	100	100	1	08/11/22	08/11/22 22:42	AWH
Manganese	31.7		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:42	AWH
Nickel	3.17		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Potassium	1680		ug/L	100	100	1	08/11/22	08/11/22 22:42	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Sodium	8650		ug/L	100	100	1	08/11/22	08/11/22 22:42	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Vanadium	1.73		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:42	AWH
Zinc	4.96	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:42	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14B**

**2080912-05 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.02		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:16	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	7.0		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:12	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	203.8		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	25.0		mg/L	0.500	0.500	1	08/09/22	08/09/22 23:46	CRP
Nitrate	21.0		mg/L	0.050	0.050	1	08/09/22	08/09/22 23:46	CRP
Nitrate (as N)	4.74		mg/L	0.011	0.011	1	08/09/22	08/09/22 23:46	CRP
Sulfate	2.2		mg/L	0.3	0.3	1	08/09/22	08/09/22 23:46	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	57.8		mg/L	6.3	6.3	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	147		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	38.8		mg/L	5.0	5.0	1	08/16/22	08/16/22 14:01	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14B**

**2080912-05RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 20:04	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:04	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:04	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14B**

**2080912-05RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 20:04	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:04	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:04	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 20:04	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:04	LL
<b>Methylene chloride</b>	<b>1.0</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:04	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:04	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	105 %	08/16/22		08/16/22 20:04		
<i>Surrogate: Toluene-d8</i>			75-120	100 %	08/16/22		08/16/22 20:04		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	99 %	08/16/22		08/16/22 20:04		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14A**

**2080912-06 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	5.47	O-07	pH Units			1	08/09/22	08/09/22 17:52	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	446		NTU	25.0	5.50	50	08/10/22	08/10/22 16:17	VVD
<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	08/15/22	08/16/22 08:17	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 08:17	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	165000		ug/L	500	500	1	08/11/22	08/11/22 22:45	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Barium	339		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Calcium	20400	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:45	AWH
Chromium	91.6		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Cobalt	26.6		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Copper	110		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Iron	34800		ug/L	100	5.00	1	08/11/22	08/11/22 22:45	AWH
Lead	4.20		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Magnesium	27700		ug/L	100	100	1	08/11/22	08/11/22 22:45	AWH
Manganese	319		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:45	AWH
Nickel	104		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Potassium	8000		ug/L	100	100	1	08/11/22	08/11/22 22:45	AWH
Selenium	1.56		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Sodium	33800		ug/L	100	100	1	08/11/22	08/11/22 22:45	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Vanadium	82.0		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:45	AWH
Zinc	120	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:45	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14A**

**2080912-06 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.07		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:16	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	4.5		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:13	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	389.8		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	81.4		mg/L	0.500	0.500	1	08/09/22	08/10/22 00:05	CRP
Nitrate	11.4		mg/L	0.050	0.050	1	08/09/22	08/10/22 00:05	CRP
Nitrate (as N)	2.57		mg/L	0.011	0.011	1	08/09/22	08/10/22 00:05	CRP
Sulfate	20.3		mg/L	0.3	0.3	1	08/09/22	08/10/22 00:05	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	1000		mg/L	15.6	15.6	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	242		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	24.2		mg/L	5.0	5.0	1	08/16/22	08/16/22 13:53	MCD



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14A**

**2080912-06RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 20:27	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:27	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:27	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-14A**

**2080912-06RE1 (Nonpotable Water)  
Sample Date: 08/09/22**

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	08/16/22	08/16/22 20:27	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:27	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:27	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 20:27	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:27	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:27	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:27	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		110 %			08/16/22	08/16/22 20:27	
Surrogate: Toluene-d8		75-120		100 %			08/16/22	08/16/22 20:27	
Surrogate: 4-Bromofluorobenzene		75-120		99 %			08/16/22	08/16/22 20:27	

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*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-15**

**2080912-07 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	5.54	O-07	pH Units			1	08/09/22	08/09/22 17:52	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	271		NTU	5.00	1.10	10	08/10/22	08/10/22 16:23	VVD
<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	08/15/22	08/16/22 08:39	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 08:39	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	110000		ug/L	500	500	1	08/11/22	08/11/22 22:47	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Arsenic	1.49		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Barium	171		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Calcium	14600	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:47	AWH
Chromium	24.6		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Cobalt	11.4		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Copper	86.1		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Iron	26900		ug/L	100	5.00	1	08/11/22	08/11/22 22:47	AWH
Lead	5.76		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Magnesium	17800		ug/L	100	100	1	08/11/22	08/11/22 22:47	AWH
Manganese	391		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:47	AWH
Nickel	31.0		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Potassium	2290		ug/L	100	100	1	08/11/22	08/11/22 22:47	AWH
Selenium	3.10		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Sodium	9140		ug/L	100	100	1	08/11/22	08/11/22 22:47	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Vanadium	22.2		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:47	AWH
Zinc	98.7	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:47	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-15**

**2080912-07 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.07		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:17	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	12.8		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:13	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	228.6		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	34.9		mg/L	0.500	0.500	1	08/09/22	08/10/22 00:23	CRP
Nitrate	20.6		mg/L	0.050	0.050	1	08/09/22	08/10/22 00:23	CRP
Nitrate (as N)	4.65		mg/L	0.011	0.011	1	08/09/22	08/10/22 00:23	CRP
Sulfate	5.4		mg/L	0.3	0.3	1	08/09/22	08/10/22 00:23	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	956		mg/L	17.9	17.9	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	146		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	27.5		mg/L	5.0	5.0	1	08/16/22	08/16/22 13:45	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-15**

**2080912-07RE1 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/16/22	08/16/22 20:50	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:50	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:50	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-15**

**2080912-07RE1 (Nonpotable Water)  
Sample Date: 08/09/22**

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	08/16/22	08/16/22 20:50	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:50	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:50	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 20:50	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:50	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 20:50	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 20:50	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		110 %			08/16/22	08/16/22 20:50	
Surrogate: Toluene-d8		75-120		101 %			08/16/22	08/16/22 20:50	
Surrogate: 4-Bromofluorobenzene		75-120		101 %			08/16/22	08/16/22 20:50	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-12**

**2080912-08 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
pH	5.29	O-07	pH Units			1	08/09/22	08/09/22 17:52	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
Turbidity	15.3		NTU	0.500	0.110	1	08/10/22	08/10/22 16:25	VVD
<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	08/15/22	08/16/22 09:01	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 09:01	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
Hardness as CaCO3	54000		ug/L	500	500	1	08/11/22	08/11/22 22:49	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Barium	119		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Calcium	11100	QB-01, B	ug/L	80.0	80.0	1	08/11/22	08/11/22 22:49	AWH
Chromium	4.04		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Copper	2.26		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Iron	1010		ug/L	100	5.00	1	08/11/22	08/11/22 22:49	AWH
Lead	1.15		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Magnesium	6350		ug/L	100	100	1	08/11/22	08/11/22 22:49	AWH
Manganese	30.5		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/11/22	08/11/22 22:49	AWH
Nickel	2.66		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Potassium	1680		ug/L	100	100	1	08/11/22	08/11/22 22:49	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Silver	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Sodium	49200		ug/L	100	100	1	08/11/22	08/11/22 22:49	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Vanadium	2.07		ug/L	1.00	1.00	1	08/11/22	08/11/22 22:49	AWH
Zinc	9.53	B	ug/L	4.00	4.00	1	08/11/22	08/11/22 22:49	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-12**

**2080912-08 (Nonpotable Water)**  
**Sample Date: 08/09/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.02		mg/L	0.02	0.02	1	08/16/22	08/16/22 16:17	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	5.1		mg/L	3.0	3.0	1	08/15/22	08/15/22 15:14	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	368.6		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	71.6		mg/L	0.500	0.500	1	08/09/22	08/10/22 00:42	CRP
Nitrate	7.78		mg/L	0.050	0.050	1	08/09/22	08/10/22 00:42	CRP
Nitrate (as N)	1.76		mg/L	0.011	0.011	1	08/09/22	08/10/22 00:42	CRP
Sulfate	29.4		mg/L	0.3	0.3	1	08/09/22	08/10/22 00:42	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	226		mg/L	4.5	4.5	1	08/15/22	08/16/22 17:22	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	207		mg/L	10.0	10.0	1	08/12/22	08/15/22 17:21	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	16.4		mg/L	5.0	5.0	1	08/16/22	08/16/22 13:36	MCD



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-12**

**2080912-08RE1 (Nonpotable Water)  
Sample Date: 08/09/22**

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	08/16/22	08/16/22 21:13	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:13	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:13	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**MW-12**

**2080912-08RE1 (Nonpotable Water)  
Sample Date: 08/09/22**

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	08/16/22	08/16/22 21:13	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:13	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:13	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 21:13	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:13	LL
<b>Methylene chloride</b>	<b>1.0</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:13	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:13	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	110 %	08/16/22		08/16/22 21:13		
<i>Surrogate: Toluene-d8</i>			75-120	102 %	08/16/22		08/16/22 21:13		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	100 %	08/16/22		08/16/22 21:13		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**TRIP BLANK**

**2080912-09 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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	08/10/22	08/10/22 12:36	LL
Acetonitrile	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:36	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:36	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Benzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:36	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

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**2080912-09 (Nonpotable Water)**  
**Sample Date: 08/09/22**

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>									
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:36	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:36	LL
Isobutanol	ND		ug/L	100	100	1	08/10/22	08/10/22 12:36	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:36	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/22	08/10/22 12:36	LL
Styrene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Toluene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/22	08/10/22 12:36	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/10/22		08/10/22 12:36		
Surrogate: Toluene-d8			75-120	98 %	08/10/22		08/10/22 12:36		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	08/10/22		08/10/22 12:36		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

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

Reported:  
 08/25/22 17:32

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208227 - pH (Paper or Meter)**

**Reference (B208227-SRM1)**

Prepared & Analyzed: 08/09/22

pH	6.95			pH Units	6.964		100	98.88-101.12		
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**Batch B208260 - pH (Paper or Meter)**

**Reference (B208260-SRM1)**

Prepared & Analyzed: 08/10/22

pH	6.96			pH Units	6.964		100	98.88-101.12		
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Rabecka Koons, Quality Assurance Officer

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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

**Reported:**  
 08/25/22 17:32

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208249 - Turbidity Prep (EPA 180.1)**

**Blank (B208249-BLK1)**

Prepared & Analyzed: 08/10/22

Turbidity	ND		0.500	NTU						
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**Duplicate (B208249-DUP1)**

Source: 2080912-02

Prepared & Analyzed: 08/10/22

Turbidity	19.8		0.500	NTU	21.2				7	30
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

**Blank (B208235-BLK1)**

Prepared & Analyzed: 08/10/22

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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

**Blank (B208235-BLK1)**

Prepared & Analyzed: 08/10/22

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	54.13			ug/L	50.00		108	70-130		
Surrogate: Toluene-d8	50.09			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	48.29			ug/L	50.00		97	75-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

**LCS (B208235-BS1)**

Prepared & Analyzed: 08/10/22

Acetone	10.3		5.0	ug/L	10.00		103	50-150		
Acrylonitrile	4.6	J	5.0	ug/L	5.000		92	50-150		
Benzene	5.0		1.0	ug/L	5.000		99	50-150		
Bromochloromethane	5.1		1.0	ug/L	5.000		103	50-150		
Bromodichloromethane	5.0		1.0	ug/L	5.000		101	50-150		
Bromoform	4.8		1.0	ug/L	5.000		96	50-150		
Bromomethane	5.0		1.0	ug/L	5.000		101	50-150		
2-Butanone (MEK)	8.3		5.0	ug/L	10.00		83	50-150		
Carbon disulfide	5.3		1.0	ug/L	5.000		107	50-150		
Carbon tetrachloride	4.9		1.0	ug/L	5.000		98	50-150		
Chlorobenzene	5.2		1.0	ug/L	5.000		103	50-150		
Chloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Chloroform	5.1		1.0	ug/L	5.000		102	50-150		
Chloromethane	5.3		1.0	ug/L	5.000		106	50-150		
Dibromochloromethane	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dibromo-3-chloropropane	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.1		1.0	ug/L	5.000		101	50-150		
1,2-Dichlorobenzene	5.4		1.0	ug/L	5.000		107	50-150		
1,4-Dichlorobenzene	5.9		1.0	ug/L	5.000		118	50-150		
1,1-Dichloroethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.000		99	50-150		
cis-1,2-Dichloroethene	5.1		1.0	ug/L	5.000		102	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.000		98	50-150		
1,2-Dichloropropane	5.0		1.0	ug/L	5.000		100	50-150		
1,3-Dichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
2,2-Dichloropropane	5.2		1.0	ug/L	5.000		103	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.000		96	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.000		95	50-150		
trans-1,3-Dichloropropene	4.9		1.0	ug/L	5.000		98	50-150		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

**LCS (B208235-BS1)**

Prepared & Analyzed: 08/10/22

Ethylbenzene	5.2		1.0	ug/L	5.000		103	50-150		
2-Hexanone	10.9		5.0	ug/L	10.00		109	50-150		
Methyl tert-butyl ether (MTBE)	4.6		1.0	ug/L	5.000		92	50-150		
4-Methyl-2-pentanone	10.5		5.0	ug/L	10.00		105	50-150		
Methylene chloride	6.4		1.0	ug/L	5.000		127	0-200		
Methyl methacrylate	4.3	J	5.0	ug/L	5.000		85	50-150		
Styrene	5.2		1.0	ug/L	5.000		103	50-150		
1,1,1,2-Tetrachloroethane	4.8		1.0	ug/L	5.000		97	50-150		
1,1,2,2-Tetrachloroethane	5.0		1.0	ug/L	5.000		99	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.000		99	50-150		
Toluene	4.9		1.0	ug/L	5.000		99	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.000		97	50-150		
1,1,2-Trichloroethane	4.9		1.0	ug/L	5.000		98	50-150		
Trichloroethene	4.8		1.0	ug/L	5.000		95	50-150		
Trichlorofluoromethane (Freon 11)	5.4		1.0	ug/L	5.000		109	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.000		102	50-150		
Vinyl acetate	3.4		1.0	ug/L	5.000		68	50-150		
Vinyl chloride	5.1		1.0	ug/L	5.000		103	50-150		
o-Xylene	4.7		1.0	ug/L	5.000		94	50-150		
m- & p-Xylenes	10.2		1.0	ug/L	10.00		102	50-150		
Surrogate: 1,2-Dichloroethane-d4	52.64			ug/L	50.00		105	70-130		
Surrogate: Toluene-d8	50.43			ug/L	50.00		101	75-120		
Surrogate: 4-Bromofluorobenzene	49.51			ug/L	50.00		99	75-120		

**Duplicate (B208235-DUP1)**

Source: 2080505-02

Prepared & Analyzed: 08/10/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

Duplicate (B208235-DUP1)	Source: 2080505-02	Prepared & Analyzed: 08/10/22		
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	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	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	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208235-DUP1)</b>		<b>Source: 2080505-02</b>			<b>Prepared &amp; Analyzed: 08/10/22</b>		
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	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	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
Vinyl chloride	ND		1.0	ug/L	ND		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>	53.26			ug/L	50.00	107	70-130
<i>Surrogate: Toluene-d8</i>	49.88			ug/L	50.00	100	75-120
<i>Surrogate: 4-Bromofluorobenzene</i>	48.27			ug/L	50.00	97	75-120

<b>Matrix Spike (B208235-MS1)</b>		<b>Source: 2080504-01</b>			<b>Prepared &amp; Analyzed: 08/10/22</b>			
Acetone	11.1		5.0	ug/L	10.00	3.4	76	60-120
Acrylonitrile	10.3		5.0	ug/L	10.00	ND	103	0-200
Benzene	10.5		1.0	ug/L	10.00	ND	105	60-120
Bromochloromethane	9.9		1.0	ug/L	10.00	ND	99	60-120
Bromodichloromethane	10.0		1.0	ug/L	10.00	ND	100	60-120
Bromoform	10.1		1.0	ug/L	10.00	ND	101	60-120
Bromomethane	8.9		1.0	ug/L	10.00	ND	89	60-120
2-Butanone (MEK)	9.3		5.0	ug/L	10.00	ND	93	60-120



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

Matrix Spike (B208235-MS1)	Source: 2080504-01			Prepared & Analyzed: 08/10/22						
Carbon disulfide	10.9		1.0	ug/L	10.00	ND	109	60-120		
Carbon tetrachloride	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chlorobenzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloroethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
Chloroform	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloromethane	10.1		1.0	ug/L	10.00	ND	101	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,2-Dibromoethane (EDB)	9.8		1.0	ug/L	10.00	ND	98	60-120		
Dibromomethane	9.9		1.0	ug/L	10.00	ND	99	60-120		
1,2-Dichlorobenzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
1,4-Dichlorobenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1-Dichloroethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dichloroethane	10.7		1.0	ug/L	10.00	ND	107	60-120		
1,1-Dichloroethene	10.3		1.0	ug/L	10.00	ND	103	60-120		
cis-1,2-Dichloroethene	10.6		1.0	ug/L	10.00	ND	106	60-120		
trans-1,2-Dichloroethene	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dichloropropane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,3-Dichloropropane	10.2		1.0	ug/L	10.00	ND	102	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.00	ND	87	60-120		
1,1-Dichloropropene	10.5		1.0	ug/L	10.00	ND	105	60-120		
cis-1,3-Dichloropropene	10.1		1.0	ug/L	10.00	ND	101	60-120		
trans-1,3-Dichloropropene	9.9		1.0	ug/L	10.00	ND	99	60-120		
Ethylbenzene	11.0		1.0	ug/L	10.00	ND	110	60-120		
2-Hexanone	10.1		5.0	ug/L	10.00	ND	101	60-120		
Methyl tert-butyl ether (MTBE)	9.9		1.0	ug/L	10.00	ND	99	60-120		
4-Methyl-2-pentanone	10.0		5.0	ug/L	10.00	ND	100	60-120		
Methylene chloride	10.0		1.0	ug/L	10.00	ND	100	60-120		
Methyl methacrylate	8.9		5.0	ug/L	10.00	ND	89	60-120		
Styrene	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,1,1,2-Tetrachloroethane	10.4		1.0	ug/L	10.00	ND	104	60-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208235 - GCMS-WATER-VOLATILES**

Matrix Spike (B208235-MS1)	Source: 2080504-01	Prepared & Analyzed: 08/10/22
1,1,2,2-Tetrachloroethane	9.9	1.0 ug/L 10.00 ND 99 60-120
Tetrachloroethene	10.6	1.0 ug/L 10.00 ND 106 60-120
Toluene	10.3	1.0 ug/L 10.00 ND 103 60-120
1,1,1-Trichloroethane	10.5	1.0 ug/L 10.00 ND 105 60-120
1,1,2-Trichloroethane	10.3	1.0 ug/L 10.00 ND 103 60-120
Trichloroethene	9.7	1.0 ug/L 10.00 ND 97 60-120
Trichlorofluoromethane (Freon 11)	11.3	1.0 ug/L 10.00 ND 113 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.00 ND 101 60-120
Vinyl acetate	8.3	1.0 ug/L 10.00 ND 83 60-120
Vinyl chloride	10.9	1.0 ug/L 10.00 ND 109 60-120
o-Xylene	10.0	1.0 ug/L 10.00 ND 100 60-120
m- & p-Xylenes	21.6	1.0 ug/L 20.00 ND 108 60-120
Surrogate: 1,2-Dichloroethane-d4	50.82	ug/L 50.00 102 70-130
Surrogate: Toluene-d8	50.18	ug/L 50.00 100 75-120
Surrogate: 4-Bromofluorobenzene	50.36	ug/L 50.00 101 75-120

**Batch B208269 - GCMS-WATER-VOLATILES**

Blank (B208269-BLK1)	Prepared & Analyzed: 08/11/22
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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

**Blank (B208269-BLK1)**

Prepared & Analyzed: 08/11/22

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						
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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

**Blank (B208269-BLK1)**

Prepared & Analyzed: 08/11/22

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						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	54.19			ug/L	50.00		108	70-130		
<i>Surrogate: Toluene-d8</i>	49.36			ug/L	50.00		99	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	48.68			ug/L	50.00		97	75-120		

**LCS (B208269-BS1)**

Prepared & Analyzed: 08/11/22

Acetone	10.5		5.0	ug/L	10.00		105	50-150		
Acrylonitrile	4.9	J	5.0	ug/L	5.000		97	50-150		
Benzene	5.1		1.0	ug/L	5.000		102	50-150		
Bromochloromethane	5.3		1.0	ug/L	5.000		107	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.000		104	50-150		
Bromoform	4.9		1.0	ug/L	5.000		98	50-150		
Bromomethane	5.2		1.0	ug/L	5.000		104	50-150		
2-Butanone (MEK)	9.3		5.0	ug/L	10.00		93	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.000		108	50-150		
Carbon tetrachloride	4.9		1.0	ug/L	5.000		98	50-150		
Chlorobenzene	5.1		1.0	ug/L	5.000		102	50-150		
Chloroethane	5.1		1.0	ug/L	5.000		101	50-150		
Chloroform	4.9		1.0	ug/L	5.000		97	50-150		
Chloromethane	5.2		1.0	ug/L	5.000		105	50-150		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

**LCS (B208269-BS1)**

Prepared & Analyzed: 08/11/22

Dibromochloromethane	4.8		1.0	ug/L	5.000		96	50-150		
1,2-Dibromo-3-chloropropane	5.6		1.0	ug/L	5.000		111	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.000		92	50-150		
Dibromomethane	5.1		1.0	ug/L	5.000		102	50-150		
1,2-Dichlorobenzene	5.6		1.0	ug/L	5.000		111	50-150		
1,4-Dichlorobenzene	5.7		1.0	ug/L	5.000		115	50-150		
1,1-Dichloroethane	4.7		1.0	ug/L	5.000		95	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.000		99	50-150		
1,1-Dichloroethene	4.7		1.0	ug/L	5.000		94	50-150		
cis-1,2-Dichloroethene	5.4		1.0	ug/L	5.000		107	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.000		99	50-150		
1,2-Dichloropropane	4.8		1.0	ug/L	5.000		97	50-150		
1,3-Dichloropropane	5.0		1.0	ug/L	5.000		101	50-150		
2,2-Dichloropropane	4.9		1.0	ug/L	5.000		99	50-150		
1,1-Dichloropropene	5.0		1.0	ug/L	5.000		99	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.000		89	50-150		
trans-1,3-Dichloropropene	4.9		1.0	ug/L	5.000		97	50-150		
Ethylbenzene	5.2		1.0	ug/L	5.000		105	50-150		
2-Hexanone	10.9		5.0	ug/L	10.00		109	50-150		
Methyl tert-butyl ether (MTBE)	4.8		1.0	ug/L	5.000		95	50-150		
4-Methyl-2-pentanone	10.9		5.0	ug/L	10.00		109	50-150		
Methylene chloride	5.3		1.0	ug/L	5.000		107	0-200		
Methyl methacrylate	4.7	J	5.0	ug/L	5.000		94	50-150		
Styrene	4.9		1.0	ug/L	5.000		98	50-150		
1,1,1,2-Tetrachloroethane	4.9		1.0	ug/L	5.000		99	50-150		
1,1,2,2-Tetrachloroethane	5.1		1.0	ug/L	5.000		102	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.000		98	50-150		
Toluene	4.8		1.0	ug/L	5.000		95	50-150		
1,1,1-Trichloroethane	5.1		1.0	ug/L	5.000		101	50-150		
1,1,2-Trichloroethane	4.8		1.0	ug/L	5.000		96	50-150		
Trichloroethene	4.8		1.0	ug/L	5.000		95	50-150		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

**LCS (B208269-BS1)**

Prepared & Analyzed: 08/11/22

Trichlorofluoromethane (Freon 11)	5.1		1.0	ug/L	5.000		101	50-150		
1,2,3-Trichloropropane	5.3		1.0	ug/L	5.000		105	50-150		
Vinyl acetate	3.3		1.0	ug/L	5.000		66	50-150		
Vinyl chloride	5.2		1.0	ug/L	5.000		103	50-150		
o-Xylene	4.8		1.0	ug/L	5.000		96	50-150		
m- & p-Xylenes	10.0		1.0	ug/L	10.00		100	50-150		
Surrogate: 1,2-Dichloroethane-d4	52.95			ug/L	50.00		106	70-130		
Surrogate: Toluene-d8	49.83			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	50.86			ug/L	50.00		102	75-120		

**Duplicate (B208269-DUP1)**

Source: 2080812-01

Prepared & Analyzed: 08/11/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	2.2		1.0	ug/L		2.1			6	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	32.2		1.0	ug/L		31.0			4	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			0.7	20

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

Duplicate (B208269-DUP1)	Source: 2080812-01		Prepared & Analyzed: 08/11/22							
1,4-Dichlorobenzene	21.2		1.0	ug/L		19.9			6	20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	9.0		1.0	ug/L		8.4			7	20
1,2-Dichloroethane	1.6		1.0	ug/L		1.6			4	20
1,1-Dichloroethene	ND		1.0	ug/L		ND				20
cis-1,2-Dichloroethene	65.0		1.0	ug/L		61.7			5	20
trans-1,2-Dichloroethene	2.6		1.0	ug/L		2.1			23	20
1,2-Dichloropropane	3.5		1.0	ug/L		3.3			6	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)	1.6		1.0	ug/L		1.6			0	20
4-Methyl-2-pentanone	ND		5.0	ug/L		ND				20
Methylene chloride	401	E	1.0	ug/L		2.4			198	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	5.9		1.0	ug/L		6.4			8	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	6.2		1.0	ug/L		5.7			8	20
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L		ND				20

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208269-DUP1)</b>		<b>Source: 2080812-01</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>					
1,2,3-Trichloropropane	ND		1.0	ug/L		ND				20
Vinyl acetate	ND		1.0	ug/L		ND				20
Vinyl chloride	11.9		1.0	ug/L		11.1			8	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>52.30</i>			ug/L	<i>50.00</i>		<i>105</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>49.81</i>			ug/L	<i>50.00</i>		<i>100</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.18</i>			ug/L	<i>50.00</i>		<i>92</i>	<i>75-120</i>		

<b>Matrix Spike (B208269-MS1)</b>		<b>Source: 2080812-02</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>					
Acetone	9.9		5.0	ug/L	10.00	ND	99	60-120		
Acrylonitrile	10.4		5.0	ug/L	10.00	ND	104	0-200		
Benzene	12.9		1.0	ug/L	10.00	2.1	108	60-120		
Bromochloromethane	10.4		1.0	ug/L	10.00	ND	104	60-120		
Bromodichloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Bromoform	9.9		1.0	ug/L	10.00	ND	99	60-120		
Bromomethane	4.5		1.0	ug/L	10.00	ND	45	60-120		
2-Butanone (MEK)	10.7		5.0	ug/L	10.00	ND	107	60-120		
Carbon disulfide	11.6		1.0	ug/L	10.00	ND	116	60-120		
Carbon tetrachloride	10.7		1.0	ug/L	10.00	ND	107	60-120		
Chlorobenzene	42.4		1.0	ug/L	10.00	30.9	115	60-120		
Chloroethane	11.5		1.0	ug/L	10.00	ND	115	60-120		
Chloroform	10.7		1.0	ug/L	10.00	ND	107	60-120		
Chloromethane	17.9		1.0	ug/L	10.00	ND	179	60-120		
Dibromochloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dibromo-3-chloropropane	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dibromoethane (EDB)	10.0		1.0	ug/L	10.00	ND	100	60-120		
Dibromomethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,2-Dichlorobenzene	13.2		1.0	ug/L	10.00	2.9	104	60-120		
1,4-Dichlorobenzene	30.6		1.0	ug/L	10.00	20.3	104	60-120		
1,1-Dichloroethane	18.7		1.0	ug/L	10.00	8.4	104	60-120		
1,2-Dichloroethane	11.9		1.0	ug/L	10.00	1.7	102	60-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

Matrix Spike (B208269-MS1)	Source: 2080812-02		Prepared & Analyzed: 08/11/22							
1,1-Dichloroethene	11.0		1.0	ug/L	10.00	ND	110	60-120		
cis-1,2-Dichloroethene	72.2		1.0	ug/L	10.00	63.1	91	60-120		
trans-1,2-Dichloroethene	12.5		1.0	ug/L	10.00	2.3	102	60-120		
1,2-Dichloropropane	14.1		1.0	ug/L	10.00	3.8	103	60-120		
1,3-Dichloropropane	10.2		1.0	ug/L	10.00	ND	102	60-120		
2,2-Dichloropropane	9.2		1.0	ug/L	10.00	ND	92	60-120		
1,1-Dichloropropene	10.9		1.0	ug/L	10.00	ND	109	60-120		
cis-1,3-Dichloropropene	9.7		1.0	ug/L	10.00	ND	97	60-120		
trans-1,3-Dichloropropene	10.2		1.0	ug/L	10.00	ND	102	60-120		
Ethylbenzene	11.1		1.0	ug/L	10.00	ND	111	60-120		
2-Hexanone	10.3		5.0	ug/L	10.00	ND	103	60-120		
Methyl tert-butyl ether (MTBE)	11.4		1.0	ug/L	10.00	1.6	98	60-120		
4-Methyl-2-pentanone	10.2		5.0	ug/L	10.00	ND	102	60-120		
Methylene chloride	374	E	1.0	ug/L	10.00	2.5	NR	60-120		
Methyl methacrylate	9.7		5.0	ug/L	10.00	ND	97	60-120		
Styrene	8.6		1.0	ug/L	10.00	ND	86	60-120		
1,1,1,2-Tetrachloroethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,1,2,2-Tetrachloroethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
Tetrachloroethene	16.9		1.0	ug/L	10.00	6.4	105	60-120		
Toluene	10.8		1.0	ug/L	10.00	ND	108	60-120		
1,1,1-Trichloroethane	10.7		1.0	ug/L	10.00	ND	107	60-120		
1,1,2-Trichloroethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
Trichloroethene	16.0		1.0	ug/L	10.00	5.8	102	60-120		
Trichlorofluoromethane (Freon 11)	13.0		1.0	ug/L	10.00	ND	130	60-120		
1,2,3-Trichloropropane	10.8		1.0	ug/L	10.00	ND	108	60-120		
Vinyl acetate	8.8		1.0	ug/L	10.00	ND	88	60-120		
Vinyl chloride	23.0		1.0	ug/L	10.00	11.3	117	60-120		
o-Xylene	10.2		1.0	ug/L	10.00	ND	102	60-120		
m- & p-Xylenes	21.9		1.0	ug/L	20.00	ND	110	60-120		
Surrogate: 1,2-Dichloroethane-d4	50.85			ug/L	50.00		102	70-130		
Surrogate: Toluene-d8	50.57			ug/L	50.00		101	75-120		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208269 - GCMS-WATER-VOLATILES**

**Matrix Spike (B208269-MS1)**

Source: 2080812-02

Prepared & Analyzed: 08/11/22

Surrogate: 4-Bromofluorobenzene 49.72 ug/L 50.00 99 75-120

**Batch B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

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	1.2		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	49.72			ug/L	50.00		99	70-130		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

Surrogate: Toluene-d8	49.91			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	49.14			ug/L	50.00		98	75-120		

**Duplicate (B208367-DUP1)**

Source: 2081020-01

Prepared & Analyzed: 08/16/22

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				20
1,4-Dichlorobenzene	ND		1.0	ug/L		ND				20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	ND		1.0	ug/L		ND				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	ND		1.0	ug/L		ND				20
trans-1,2-Dichloroethene	ND		1.0	ug/L		ND				20

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208367 - GCMS-WATER-VOLATILES**

Duplicate (B208367-DUP1)	Source: 2081020-01		Prepared & Analyzed: 08/16/22							
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	1.1	B	1.0	ug/L		1.0			7	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		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	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
Vinyl chloride	ND		1.0	ug/L		ND				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	57.87			ug/L	50.00		116	70-130		
Surrogate: Toluene-d8	50.43			ug/L	50.00		101	75-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208367 - GCMS-WATER-VOLATILES**

**Duplicate (B208367-DUP1)**

Source: 2081020-01

Prepared & Analyzed: 08/16/22

Surrogate: 4-Bromofluorobenzene 49.59 ug/L 50.00 99 75-120

**Matrix Spike (B208367-MS1)**

Source: 2081020-02

Prepared & Analyzed: 08/16/22

Acetone	16.6		5.0	ug/L	10.00	7.9	87	60-120		
Acrylonitrile	10.4		5.0	ug/L	10.00	ND	104	0-200		
Benzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Bromochloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Bromodichloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
Bromoform	8.7		1.0	ug/L	10.00	ND	87	60-120		
Bromomethane	12.3		1.0	ug/L	10.00	ND	123	60-120		
2-Butanone (MEK)	9.7		5.0	ug/L	10.00	ND	97	60-120		
Carbon disulfide	10.6		1.0	ug/L	10.00	ND	106	60-120		
Carbon tetrachloride	10.5		1.0	ug/L	10.00	ND	105	60-120		
Chlorobenzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloroethane	11.2		1.0	ug/L	10.00	ND	112	60-120		
Chloroform	10.8		1.0	ug/L	10.00	ND	108	60-120		
Chloromethane	11.5		1.0	ug/L	10.00	ND	115	60-120		
Dibromochloromethane	9.5		1.0	ug/L	10.00	ND	95	60-120		
1,2-Dibromo-3-chloropropane	8.3		1.0	ug/L	10.00	ND	83	60-120		
1,2-Dibromoethane (EDB)	9.9		1.0	ug/L	10.00	ND	99	60-120		
Dibromomethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,2-Dichlorobenzene	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,4-Dichlorobenzene	10.7		1.0	ug/L	10.00	ND	107	60-120		
1,1-Dichloroethane	13.2		1.0	ug/L	10.00	2.4	108	60-120		
1,2-Dichloroethane	11.4		1.0	ug/L	10.00	ND	114	60-120		
1,1-Dichloroethene	9.7		1.0	ug/L	10.00	ND	97	60-120		
cis-1,2-Dichloroethene	16.5		1.0	ug/L	10.00	6.3	102	60-120		
trans-1,2-Dichloroethene	10.1		1.0	ug/L	10.00	ND	101	60-120		
1,2-Dichloropropane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,3-Dichloropropane	10.4		1.0	ug/L	10.00	ND	104	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.00	ND	87	60-120		
1,1-Dichloropropene	10.0		1.0	ug/L	10.00	ND	100	60-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208367 - GCMS-WATER-VOLATILES**

Matrix Spike (B208367-MS1)	Source: 2081020-02			Prepared & Analyzed: 08/16/22						
cis-1,3-Dichloropropene	9.1		1.0	ug/L	10.00	ND	91	60-120		
trans-1,3-Dichloropropene	9.4		1.0	ug/L	10.00	ND	94	60-120		
Ethylbenzene	10.3		1.0	ug/L	10.00	ND	103	60-120		
2-Hexanone	8.9		5.0	ug/L	10.00	ND	89	60-120		
Methyl tert-butyl ether (MTBE)	9.1		1.0	ug/L	10.00	ND	91	60-120		
4-Methyl-2-pentanone	9.2		5.0	ug/L	10.00	ND	92	60-120		
Methylene chloride	10.9	B	1.0	ug/L	10.00	1.5	94	60-120		
Methyl methacrylate	8.5		5.0	ug/L	10.00	ND	85	60-120		
Styrene	5.1		1.0	ug/L	10.00	ND	51	60-120		
1,1,1,2-Tetrachloroethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,1,2,2-Tetrachloroethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
Tetrachloroethene	11.2		1.0	ug/L	10.00	1.5	98	60-120		
Toluene	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,1,1-Trichloroethane	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1,2-Trichloroethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
Trichloroethene	12.5		1.0	ug/L	10.00	1.9	106	60-120		
Trichlorofluoromethane (Freon 11)	11.9		1.0	ug/L	10.00	ND	119	60-120		
1,2,3-Trichloropropane	10.4		1.0	ug/L	10.00	ND	104	60-120		
Vinyl acetate	6.3		1.0	ug/L	10.00	ND	63	60-120		
Vinyl chloride	11.6		1.0	ug/L	10.00	ND	116	60-120		
o-Xylene	9.3		1.0	ug/L	10.00	ND	93	60-120		
m- & p-Xylenes	20.5		1.0	ug/L	20.00	ND	102	60-120		
Surrogate: 1,2-Dichloroethane-d4	53.32			ug/L	50.00		107	70-130		
Surrogate: Toluene-d8	50.32			ug/L	50.00		101	75-120		
Surrogate: 4-Bromofluorobenzene	52.08			ug/L	50.00		104	75-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208337 - 504.1 EDB/DBCP</b>										
<b>Blank (B208337-BLK1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208337-BLK2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208337-BS1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.1000		85	70-130		
1,2-Dibromoethane (EDB)	0.099		0.020	ug/L	0.1000		99	70-130		
<b>LCS (B208337-BS2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	0.090		0.050	ug/L	0.1000		90	70-130		
1,2-Dibromoethane (EDB)	0.109		0.020	ug/L	0.1000		109	70-130		
<b>Matrix Spike (B208337-MS1)</b>					Source: 2080417-01		Prepared & Analyzed: 08/15/22			
1,2-Dibromo-3-chloropropane	0.201		0.047	ug/L	0.1872	ND	107	70-130		
1,2-Dibromoethane (EDB)	0.163		0.019	ug/L	0.1872	ND	87	70-130		
<b>Matrix Spike (B208337-MS2)</b>					Source: 2080812-03		Prepared: 08/15/22 Analyzed: 08/16/22			
1,2-Dibromo-3-chloropropane	0.164		0.047	ug/L	0.1882	ND	87	70-130		
1,2-Dibromoethane (EDB)	0.196		0.019	ug/L	0.1882	ND	104	70-130		
<b>Reference (B208337-SRM1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.02000		119	0-200		
<b>Reference (B208337-SRM2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.026		0.020	ug/L	0.02000		132	0-200		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208266 - 3010A-Metals Digestion**

**Blank (B208266-BLK1)**

Prepared: 08/11/22 Analyzed: 08/12/22

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	85.4	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	5.14	B	4.00	ug/L						

**Blank (B208266-BLK2)**

Prepared: 08/11/22 Analyzed: 08/12/22

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	113	B	80.0	ug/L						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208266 - 3010A-Metals Digestion**

**Blank (B208266-BLK2)**

Prepared: 08/11/22 Analyzed: 08/12/22

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	16.7	B	4.00	ug/L						

**LCS (B208266-BS1)**

Prepared: 08/11/22 Analyzed: 08/12/22

Antimony	48.7		1.00	ug/L	50.00		97	80-120		
Arsenic	50.8		1.00	ug/L	50.00		102	80-120		
Barium	49.4		1.00	ug/L	50.00		99	80-120		
Beryllium	49.5		1.00	ug/L	50.00		99	80-120		
Cadmium	50.4		1.00	ug/L	50.00		101	80-120		
Calcium	5420	B	80.0	ug/L	5000		108	80-120		
Chromium	50.8		1.00	ug/L	50.00		102	80-120		
Cobalt	52.8		1.00	ug/L	50.00		106	80-120		
Copper	54.1		1.00	ug/L	50.00		108	80-120		
Iron	5150		100	ug/L	5000		103	80-120		
Lead	49.0		1.00	ug/L	50.00		98	80-120		
Magnesium	5250		100	ug/L	5000		105	80-120		
Manganese	50.4		1.00	ug/L	50.00		101	80-120		
Mercury	2.43		0.100	ug/L	2.500		97	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208266 - 3010A-Metals Digestion**

**LCS (B208266-BS1)**

Prepared: 08/11/22 Analyzed: 08/12/22

Nickel	52.1		1.00	ug/L	50.00		104	80-120		
Potassium	5270		100	ug/L	5000		105	80-120		
Selenium	49.8		1.00	ug/L	50.00		100	80-120		
Silver	50.3		1.00	ug/L	50.00		101	80-120		
Sodium	5160		100	ug/L	5000		103	80-120		
Thallium	50.0		1.00	ug/L	50.00		100	80-120		
Vanadium	49.9		1.00	ug/L	50.00		100	80-120		
Zinc	107	B	4.00	ug/L	100.0		107	80-120		

**LCS (B208266-BS2)**

Prepared: 08/11/22 Analyzed: 08/12/22

Antimony	48.9		1.00	ug/L	50.00		98	80-120		
Arsenic	50.6		1.00	ug/L	50.00		101	80-120		
Barium	49.8		1.00	ug/L	50.00		100	80-120		
Beryllium	49.8		1.00	ug/L	50.00		100	80-120		
Cadmium	50.3		1.00	ug/L	50.00		101	80-120		
Calcium	5350	B	80.0	ug/L	5000		107	80-120		
Chromium	50.7		1.00	ug/L	50.00		101	80-120		
Cobalt	52.6		1.00	ug/L	50.00		105	80-120		
Copper	54.1		1.00	ug/L	50.00		108	80-120		
Iron	5130		100	ug/L	5000		103	80-120		
Lead	49.5		1.00	ug/L	50.00		99	80-120		
Magnesium	5270		100	ug/L	5000		105	80-120		
Manganese	50.2		1.00	ug/L	50.00		100	80-120		
Mercury	2.44		0.100	ug/L	2.500		97	80-120		
Nickel	52.1		1.00	ug/L	50.00		104	80-120		
Potassium	5240		100	ug/L	5000		105	80-120		
Selenium	50.0		1.00	ug/L	50.00		100	80-120		
Silver	50.2		1.00	ug/L	50.00		100	80-120		
Sodium	5220		100	ug/L	5000		104	80-120		
Thallium	50.9		1.00	ug/L	50.00		102	80-120		
Vanadium	49.8		1.00	ug/L	50.00		100	80-120		
Zinc	159	S-98, B	4.00	ug/L	100.0		159	80-120		

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*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208266 - 3010A-Metals Digestion**

<b>Duplicate (B208266-DUP1)</b>		<b>Source: 2080804-12</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>				
Hardness as CaCO3	39400		500	ug/L		38700		2	200
Antimony	ND		1.00	ug/L		ND			20
Arsenic	1.33		1.00	ug/L		1.24		7	20
Barium	9.88		1.00	ug/L		9.66		2	20
Beryllium	ND		1.00	ug/L		ND			20
Cadmium	ND		1.00	ug/L		ND			20
Calcium	10100	B	80.0	ug/L		9930		2	20
Chromium	1.99		1.00	ug/L		1.74		13	20
Cobalt	ND		1.00	ug/L		ND			20
Copper	5.03		1.00	ug/L		5.05		0.3	20
Iron	538		100	ug/L		504		7	20
Lead	2.93		1.00	ug/L		2.94		0.5	20
Magnesium	3410		100	ug/L		3380		0.9	20
Manganese	12.5		1.00	ug/L		12.5		0.04	20
Mercury	ND		0.100	ug/L		ND			20
Nickel	7.78		1.00	ug/L		7.26		7	20
Potassium	2380		100	ug/L		2400		0.6	20
Selenium	ND		1.00	ug/L		ND			20
Silver	ND		1.00	ug/L		ND			20
Sodium	8510		100	ug/L		8670		2	20
Thallium	ND		1.00	ug/L		ND			20
Vanadium	30.3		1.00	ug/L		30.0		1	20
Zinc	13.1	B	4.00	ug/L		12.7		3	20

<b>Duplicate (B208266-DUP2)</b>		<b>Source: 2080804-19</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>				
Hardness as CaCO3	10300		500	ug/L		9870		4	200
Antimony	ND		1.00	ug/L		ND			20
Arsenic	ND		1.00	ug/L		ND			20
Barium	5.14		1.00	ug/L		5.17		0.4	20
Beryllium	ND		1.00	ug/L		ND			20
Cadmium	ND		1.00	ug/L		ND			20
Calcium	3380	B	80.0	ug/L		3240		4	20

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208266 - 3010A-Metals Digestion**

<b>Duplicate (B208266-DUP2)</b>		<b>Source: 2080804-19</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>					
Chromium	ND		1.00	ug/L	ND					20
Cobalt	ND		1.00	ug/L	ND					20
Copper	4.30		1.00	ug/L	4.18				3	20
Iron	99.7	J	100	ug/L	97.3				3	20
Lead	1.52		1.00	ug/L	1.49				2	20
Magnesium	444		100	ug/L	433				2	20
Manganese	5.27		1.00	ug/L	5.19				2	20
Mercury	ND		0.100	ug/L	ND					20
Nickel	ND		1.00	ug/L	ND					20
Potassium	834		100	ug/L	832				0.2	20
Selenium	ND		1.00	ug/L	ND					20
Silver	ND		1.00	ug/L	ND					20
Sodium	2200		100	ug/L	2240				2	20
Thallium	ND		1.00	ug/L	ND					20
Vanadium	1.01		1.00	ug/L	1.01				0.7	20
Zinc	38.0	B	4.00	ug/L	36.1				5	20

<b>Matrix Spike (B208266-MS1)</b>		<b>Source: 2080804-12</b>			<b>Prepared &amp; Analyzed: 08/11/22</b>					
Antimony	50.1		1.00	ug/L	50.00	ND	100	75-125		
Arsenic	51.5		1.00	ug/L	50.00	1.24	101	75-125		
Barium	60.4		1.00	ug/L	50.00	9.66	102	75-125		
Beryllium	51.9		1.00	ug/L	50.00	ND	104	75-125		
Cadmium	51.5		1.00	ug/L	50.00	ND	103	75-125		
Calcium	15300	B	80.0	ug/L	5000	9930	107	75-125		
Chromium	53.2		1.00	ug/L	50.00	1.74	103	75-125		
Cobalt	53.2		1.00	ug/L	50.00	ND	106	75-125		
Copper	58.4		1.00	ug/L	50.00	5.05	107	75-125		
Iron	5810		100	ug/L	5000	504	106	75-125		
Lead	53.2		1.00	ug/L	50.00	2.94	101	75-125		
Magnesium	8960		100	ug/L	5000	3380	112	75-125		
Manganese	64.2		1.00	ug/L	50.00	12.5	103	75-125		
Mercury	2.59		0.100	ug/L	2.500	ND	104	75-125		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208266 - 3010A-Metals Digestion**

Matrix Spike (B208266-MS1)	Source: 2080804-12			Prepared & Analyzed: 08/11/22						
Nickel	59.7		1.00	ug/L	50.00	7.26	105	75-125		
Potassium	7850		100	ug/L	5000	2400	109	75-125		
Selenium	50.7		1.00	ug/L	50.00	ND	101	75-125		
Silver	51.7		1.00	ug/L	50.00	ND	103	75-125		
Sodium	13800		100	ug/L	5000	8670	103	75-125		
Thallium	52.4		1.00	ug/L	50.00	ND	105	75-125		
Vanadium	80.3		1.00	ug/L	50.00	30.0	101	75-125		
Zinc	115	B	4.00	ug/L	100.0	12.7	102	75-125		

Matrix Spike (B208266-MS2)	Source: 2080804-19			Prepared & Analyzed: 08/11/22						
Antimony	49.3		1.00	ug/L	50.00	ND	99	75-125		
Arsenic	49.9		1.00	ug/L	50.00	ND	100	75-125		
Barium	55.0		1.00	ug/L	50.00	5.17	100	75-125		
Beryllium	50.0		1.00	ug/L	50.00	ND	100	75-125		
Cadmium	50.7		1.00	ug/L	50.00	ND	101	75-125		
Calcium	8400	B	80.0	ug/L	5000	3240	103	75-125		
Chromium	52.4		1.00	ug/L	50.00	ND	105	75-125		
Cobalt	52.0		1.00	ug/L	50.00	ND	104	75-125		
Copper	57.9		1.00	ug/L	50.00	4.18	107	75-125		
Iron	5330		100	ug/L	5000	97.3	105	75-125		
Lead	50.7		1.00	ug/L	50.00	1.49	98	75-125		
Magnesium	5840		100	ug/L	5000	433	108	75-125		
Manganese	56.4		1.00	ug/L	50.00	5.19	102	75-125		
Mercury	2.48		0.100	ug/L	2.500	ND	99	75-125		
Nickel	52.0		1.00	ug/L	50.00	ND	104	75-125		
Potassium	6130		100	ug/L	5000	832	106	75-125		
Selenium	51.4		1.00	ug/L	50.00	ND	103	75-125		
Silver	51.5		1.00	ug/L	50.00	ND	103	75-125		
Sodium	7510		100	ug/L	5000	2240	106	75-125		
Thallium	51.1		1.00	ug/L	50.00	ND	102	75-125		
Vanadium	51.2		1.00	ug/L	50.00	1.01	100	75-125		
Zinc	139	B	4.00	ug/L	100.0	36.1	103	75-125		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208365 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208365-BLK1)</b>					Prepared & Analyzed: 08/16/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208365-BS1)</b>					Prepared & Analyzed: 08/16/22					
Ammonia as N	0.50		0.02	mg/L	0.5000		100	80-120		
<b>Duplicate (B208365-DUP1)</b>					Source: 2080912-01 Prepared & Analyzed: 08/16/22					
Ammonia as N	0.12		0.02	mg/L		0.12			6	200
<b>Matrix Spike (B208365-MS1)</b>					Source: 2080912-01 Prepared & Analyzed: 08/16/22					
Ammonia as N	0.58		0.02	mg/L	0.5000	0.12	91	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208342 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208342-BLK1)</b>					Prepared & Analyzed: 08/15/22					
COD	ND		3.0	mg/L						
<b>LCS (B208342-BS1)</b>					Prepared & Analyzed: 08/15/22					
COD	49.2		3.0	mg/L	50.00		98	90-110		
<b>Duplicate (B208342-DUP1)</b>					Source: 2080912-01		Prepared & Analyzed: 08/15/22			
COD	7.4		3.0	mg/L		ND				20
<b>Matrix Spike (B208342-MS1)</b>					Source: 2080912-01		Prepared & Analyzed: 08/15/22			
COD	57.1	QM-07	3.0	mg/L	50.00	ND	114	90-110		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208301 - Conductivity (SM 2510B)**

<b>Duplicate (B208301-DUP1)</b>		<b>Source: 2080912-01</b>		Prepared & Analyzed: 08/12/22						
Conductivity	157.4			uS/cm		159.3			1	20
<b>Duplicate (B208301-DUP2)</b>		<b>Source: 2081020-03</b>		Prepared & Analyzed: 08/12/22						
Conductivity	521.7			uS/cm		528			1	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208223 - 300.0 Anions Prep**

**Blank (B208223-BLK1)**

Prepared & Analyzed: 08/09/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208223-BS1)**

Prepared & Analyzed: 08/09/22

Chloride	3.85		0.500	mg/L	4.000		96	90-110		
Nitrate	3.58		0.050	mg/L	4.000		90	90-110		
Nitrate (as N)	0.809		0.011	mg/L				90-110		
Sulfate	3.7		0.3	mg/L	4.000		94	90-110		

**Duplicate (B208223-DUP1)**

Source: 2080912-01

Prepared & Analyzed: 08/09/22

Chloride	30.2		0.500	mg/L		30.1			0.1	20
Nitrate	8.52		0.050	mg/L		8.51			0.09	200
Nitrate (as N)	1.93		0.011	mg/L		1.92			0.09	200
Sulfate	ND		0.3	mg/L		ND				20

**Matrix Spike (B208223-MS1)**

Source: 2080912-01

Prepared & Analyzed: 08/09/22

Chloride	32.5	QM-4X	0.500	mg/L	4.000	30.1	59	80-120		
Nitrate	12.0		0.050	mg/L	4.000	8.51	86	80-120		
Nitrate (as N)	2.70		0.011	mg/L		1.92		80-120		
Sulfate	3.7		0.3	mg/L	4.000	ND	91	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**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 B208338 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208338-BLK1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	ND		2.5	mg/L						
<b>Blank (B208338-BLK2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208338-BS1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	45.3		2.5	mg/L	55.20		82	70-130		
<b>LCS (B208338-BS2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	63.1		2.5	mg/L	61.80		102	70-130		
<b>Duplicate (B208338-DUP1)</b>			<b>Source: 2080812-01</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
Solids, Suspended	8.9	QM-08	4.1	mg/L		11.5			26	20
<b>Duplicate (B208338-DUP2)</b>			<b>Source: 2080912-08</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
Solids, Suspended	120	QM-08	4.4	mg/L		226			61	20



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208311 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208311-BLK1)</b>					Prepared: 08/12/22 Analyzed: 08/15/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208311-BS1)</b>					Prepared: 08/12/22 Analyzed: 08/15/22					
Solids, Dissolved	756		10.0	mg/L	805.5		94	90-110		
<b>Duplicate (B208311-DUP1)</b>			<b>Source: 2080812-01</b>			Prepared: 08/12/22 Analyzed: 08/15/22				
Solids, Dissolved	1150		10.0	mg/L		1110			4	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 848328 - SM 2320B</b>										
<b>BLANK (4666678)</b>					Prepared & Analyzed: 08/16/22					
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4666679)</b>					Prepared & Analyzed: 08/16/22					
Alkalinity, Total as CaCO3	103%		5.0	mg/L	250		103	90-110		
<b>Batch 848721 - SM 2320B</b>										
<b>BLANK (4668929)</b>					Prepared & Analyzed: 08/17/22					
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4668930)</b>					Prepared & Analyzed: 08/17/22					
Alkalinity, Total as CaCO3	101%		5.0	mg/L	250		101	90-110		
<b>DUP (4668932)</b>			<b>Source: 2080912-04</b>		Prepared & Analyzed: 08/17/22					
Alkalinity, Total as CaCO3	48.9		5.0	mg/L		48.9		-	0	20



Rabecka Koons, Quality Assurance Officer

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.

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/25/22 17:32

**Notes and Definitions**

- S-98 Spike recovery outside of established control limits.
- 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-08 The RPD exceeded QC acceptance limits. Sample results for this QC batch were accepted based on LCS recovery.
- 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-07 This sample was received outside of the EPA recommended holding time.
- L Analyte is a possible laboratory contaminant
- 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).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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



Rabecka Koons, Quality Assurance Officer

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# CHAIN-OF-CUSTODY RECORD

<b>Company Name:</b> EA Engineering	<b>Project Manager:</b> Laura Oakes	<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>Project Name:</b> GUDE Landfill	<b>Project ID:</b> 155604	<b>Matrix Codes:</b> NW (non-potable water) PW (potable water)			
<b>Sampler(s):</b> H. Flowers, M. Kraham B. Harvey	<b>P.O. Number:</b> 24080				
Field Sample ID	Date	Time	Water	Soil	Other
8260LL VOC and 8011*	8260 MDE Landfill List	Chloride, Nitrate, Sulfate, 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-9	8/9/22	907	X		
MW-11B		1005	X		
MW-11A		1020	X		
MW-10		1045	X		
MW-14B		1151	X		
MW-14A		1230	X		
MW-15		1301	X		
MW-12		1400	X		
TB	V	-	X		
* 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> <i>(Signature)</i> Bill Harvey	<b>Received by:</b> <i>(Signature)</i> Lori Foster	<b>Date/Time</b> 8/9/22	<b>Date/Time</b> 	<b>Received by:</b> <i>(Signature)</i>	<b>Received by:</b> <i>(Signature)</i>
<b>Relinquished by:</b> <i>(Signature)</i> Bill Harvey	<b>Received by Lab:</b> <i>(Signature)</i> Lori Foster	<b>Date/Time</b> 8-9-22 15:08	<b>Turn Around Time:</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: _____ Date: _____	<b>Lab Use:</b> Temp: _____ °C <input checked="" type="checkbox"/> Received on ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	<b>Sample Disposal:</b> <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days
<b>Special Instructions/QC Requirements &amp; Comments:</b>					

SUBCONTRACT ORDER  
Maryland Spectral Services

WO#: 35739109

2080912



SENDING LABORATORY:

Maryland Spectral Services  
1500 Caton Center Dr. Suite G  
Halethorpe, MD 21227  
Phone: 410.247.7600  
Project Manager: Cory Koons

RECEIVING LABORATORY:

Pace Labs-FL  
8 East Tower Circle  
Ormond Beach, FL 32174  
Phone: (386) 672-5668  
Fax:

Reports Email: [Reporting@mdspectral.com](mailto:Reporting@mdspectral.com)

**Due 4:00 PM 08/18/22**

Laboratory ID      Comments

Sample ID: 2080912-01      MW-9      Water      Sampled: 08/09/22 09:07

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080912-02      MW-11B      Water      Sampled: 08/09/22 10:05

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080912-03      MW-11A      Water      Sampled: 08/09/22 10:20

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Sample ID: 2080912-04      MW-10      Water      Sampled: 08/09/22 10:45

Alkalinity

Containers Supplied:  
Plastic, 0.5L None (F)

Released By: *[Signature]*      Date: 8-10-22  
Received By: *[Signature]*      Date: 8-10-22

Released By: *[Signature]*      Date: 8-10-22  
Received By: *[Signature]*      Date: 8-11-22

Released By: *[Signature]*      Date: 8-10-22  
Received By: *[Signature]*      Date: 8-10-22

SUBCONTRACT ORDER  
 Maryland Spectral Services  
 2080912

Due 4:00 PM 08/18/22 Laboratory ID Comments

Sample ID: 2080912-05 MW-14B Water Sampled: 08/09/22 11:51

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

Sample ID: 2080912-06 MW-14A Water Sampled: 08/09/22 12:30

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

Sample ID: 2080912-07 MW-15 Water Sampled: 08/09/22 13:01

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

Sample ID: 2080912-08 MW-12 Water Sampled: 08/09/22 14:00

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

12:47

Released By: [Signature] Date: 8-10-22  
 Received By: TB/PACE Date: 8-10-22  
 Released By: [Signature] Date: 8-10-22  
 Received By: [Signature] Date: 8-11-22 1138

26 August 2022

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 08/10/22 13:58.

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,



Rabecka Koons  
Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-19B		2081020-01	Nonpotable Water	08/10/22 09:00	08/10/22 13:58
MW-19A		2081020-02	Nonpotable Water	08/10/22 09:30	08/10/22 13:58
ST015		2081020-03	Nonpotable Water	08/10/22 10:00	08/10/22 13:58
MW-16B		2081020-04	Nonpotable Water	08/10/22 11:00	08/10/22 13:58
MW-16A		2081020-05	Nonpotable Water	08/10/22 11:45	08/10/22 13:58
OB03		2081020-06	Nonpotable Water	08/10/22 12:30	08/10/22 13:58
OB03A		2081020-07	Nonpotable Water	08/10/22 13:15	08/10/22 13:58
TRIP BLANK		2081020-08	Nonpotable Water	08/10/22 00:00	08/10/22 13:58

**Narrative**

On Thursday, August 11, 2022, MSS experienced a significant methylene chloride contamination event. Methylene chloride backflushed into our nitrogen gas lines as liquid nitrogen was being refilled by the vendor. This contamination primarily impacted our GC/MS volatiles analysis where methylene chloride is a target compound. Steps were taken to reduce the contamination over multiple days in an effort to remedy the issue. The client was notified and it was agreed that MSS would continue analysis in order to meet holding times. Samples with impacted methylene chloride are "L" flagged to identify where the positive result is believed to be due to laboratory contamination.



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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19B**

**2081020-01 (Nonpotable Water)**  
**Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.92</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>9.86</b>		NTU	0.500	0.110	1	08/10/22	08/10/22 16:34	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:37	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:37	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:37	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19B**

**2081020-01 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/16/22	08/16/22 21:37	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:37	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:37	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 21:37	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:37	LL
<b>Methylene chloride</b>	<b>1.0</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 21:37	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 21:37	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %			08/16/22	08/16/22 21:37	
Surrogate: Toluene-d8			75-120	101 %			08/16/22	08/16/22 21:37	
Surrogate: 4-Bromofluorobenzene			75-120	99 %			08/16/22	08/16/22 21:37	

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19B**

**2081020-01 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/15/22	08/16/22 09:22	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 09:22	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>301000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:03	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Barium</b>	<b>41.8</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Calcium</b>	<b>74800</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:03	AWH
<b>Chromium</b>	<b>2.66</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Copper</b>	<b>16.3</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Iron</b>	<b>547</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:03	AWH
<b>Lead</b>	<b>1.77</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Magnesium</b>	<b>27800</b>		ug/L	100	100	1	08/15/22	08/16/22 13:03	AWH
<b>Manganese</b>	<b>72.5</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:03	AWH
<b>Nickel</b>	<b>12.6</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Potassium</b>	<b>5680</b>		ug/L	100	100	1	08/15/22	08/16/22 13:03	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Sodium</b>	<b>25600</b>		ug/L	100	100	1	08/15/22	08/16/22 13:03	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:03	AWH
<b>Zinc</b>	<b>61.6</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:03	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19B**

**2081020-01 (Nonpotable Water)**  
**Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.02		mg/L	0.02	0.02	1	08/19/22	08/19/22 15:56	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	26.9		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:29	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	776.5		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	162		mg/L	0.500	0.500	1	08/11/22	08/11/22 17:41	CRP
Nitrate	7.33		mg/L	0.050	0.050	1	08/11/22	08/11/22 17:41	CRP
Nitrate (as N)	1.66		mg/L	0.011	0.011	1	08/11/22	08/11/22 17:41	CRP
Sulfate	8.8		mg/L	0.3	0.3	1	08/11/22	08/11/22 17:41	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	21.0		mg/L	4.9	4.9	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	472		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	121		mg/L	5.0	5.0	1	08/17/22	08/17/22 16:09	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19A**

**2081020-02 (Nonpotable Water)  
Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.99</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>350</b>		NTU	5.00	1.10	10	08/10/22	08/10/22 16:41	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	7.9		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:00	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:00	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:00	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
<b>1,1-Dichloroethane</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
<b>cis-1,2-Dichloroethene</b>	<b>6.3</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19A**

**2081020-02 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/16/22	08/16/22 22:00	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:00	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:00	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 22:00	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:00	LL
<b>Methylene chloride</b>	<b>1.5</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:00	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
<b>Tetrachloroethene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
<b>Trichloroethene</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:00	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %			08/16/22	08/16/22 22:00	
Surrogate: Toluene-d8			75-120	101 %			08/16/22	08/16/22 22:00	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/16/22	08/16/22 22:00	

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19A**

**2081020-02 (Nonpotable Water)  
Sample Date: 08/10/22**

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	08/15/22	08/16/22 09:44	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 09:44	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>335000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:56	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Arsenic</b>	<b>2.61</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Barium</b>	<b>184</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Beryllium</b>	<b>2.17</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Calcium</b>	<b>56500</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:56	AWH
<b>Chromium</b>	<b>19.5</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Cobalt</b>	<b>58.0</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Copper</b>	<b>60.3</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Iron</b>	<b>25300</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:56	AWH
<b>Lead</b>	<b>11.6</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Magnesium</b>	<b>47000</b>		ug/L	100	100	1	08/15/22	08/16/22 13:56	AWH
<b>Manganese</b>	<b>2400</b>		ug/L	10.0	10.0	10	08/15/22	08/16/22 14:25	AWH
<b>Mercury</b>	<b>1.12</b>		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:56	AWH
<b>Nickel</b>	<b>42.5</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Potassium</b>	<b>6310</b>		ug/L	100	100	1	08/15/22	08/16/22 13:56	AWH
<b>Selenium</b>	<b>8.18</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Silver</b>	<b>1.23</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Sodium</b>	<b>74600</b>		ug/L	100	100	1	08/15/22	08/16/22 13:56	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Vanadium</b>	<b>26.7</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:56	AWH
<b>Zinc</b>	<b>176</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:56	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-19A**

**2081020-02 (Nonpotable Water)  
Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.11		mg/L	0.02	0.02	1	08/19/22	08/19/22 15:57	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	44.5		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:30	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1073		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	282		mg/L	0.500	0.500	1	08/11/22	08/11/22 17:59	CRP
Nitrate	8.99		mg/L	0.050	0.050	1	08/11/22	08/11/22 17:59	CRP
Nitrate (as N)	2.03		mg/L	0.011	0.011	1	08/11/22	08/11/22 17:59	CRP
Sulfate	12.4		mg/L	0.3	0.3	1	08/11/22	08/11/22 17:59	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	2600		mg/L	45.5	45.5	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	614		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	65.7		mg/L	5.0	5.0	1	08/17/22	08/17/22 16:18	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**ST015**

**2081020-03 (Nonpotable Water)  
Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>7.45</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>2.42</b>		NTU	0.500	0.110	1	08/10/22	08/10/22 16:45	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:23	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:23	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:23	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**ST015**

**2081020-03 (Nonpotable Water)  
Sample Date: 08/10/22**

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	08/16/22	08/16/22 22:23	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:23	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:23	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 22:23	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:23	LL
<b>Methylene chloride</b>	<b>1.0</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:23	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:23	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %			08/16/22	08/16/22 22:23	
Surrogate: Toluene-d8			75-120	102 %			08/16/22	08/16/22 22:23	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/16/22	08/16/22 22:23	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**ST015**

**2081020-03 (Nonpotable Water)  
Sample Date: 08/10/22**

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	08/15/22	08/16/22 10:07	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 10:07	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>152000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:06	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Barium</b>	<b>70.9</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Calcium</b>	<b>34100</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:06	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Copper</b>	<b>1.20</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Iron</b>	<b>252</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:06	AWH
Lead	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Magnesium</b>	<b>16300</b>		ug/L	100	100	1	08/15/22	08/16/22 13:06	AWH
<b>Manganese</b>	<b>121</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:06	AWH
<b>Nickel</b>	<b>4.14</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Potassium</b>	<b>2040</b>		ug/L	100	100	1	08/15/22	08/16/22 13:06	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Sodium</b>	<b>40600</b>		ug/L	100	100	1	08/15/22	08/16/22 13:06	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:06	AWH
<b>Zinc</b>	<b>7.47</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:06	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**ST015**

**2081020-03 (Nonpotable Water)  
Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/19/22	08/19/22 15:57	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	13.3		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:30	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	528		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	104		mg/L	0.500	0.500	1	08/11/22	08/11/22 18:18	CRP
Nitrate	5.07		mg/L	0.050	0.050	1	08/11/22	08/11/22 18:18	CRP
Nitrate (as N)	1.14		mg/L	0.011	0.011	1	08/11/22	08/11/22 18:18	CRP
Sulfate	15.4		mg/L	0.3	0.3	1	08/11/22	08/11/22 18:18	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	4.1		mg/L	2.3	2.3	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	288		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	79.1		mg/L	5.0	5.0	1	08/17/22	08/17/22 16:26	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16B**

**2081020-04 (Nonpotable Water)**  
**Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.44</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>6.73</b>		NTU	0.500	0.110	1	08/10/22	08/10/22 16:48	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:46	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:46	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:46	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
<b>Chlorobenzene</b>	<b>9.7</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
<b>1,4-Dichlorobenzene</b>	<b>3.8</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
<b>cis-1,2-Dichloroethene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16B**

**2081020-04 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/16/22	08/16/22 22:46	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:46	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:46	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 22:46	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:46	LL
<b>Methylene chloride</b>	<b>1.1</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 22:46	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 22:46	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %			08/16/22	08/16/22 22:46	
Surrogate: Toluene-d8			75-120	100 %			08/16/22	08/16/22 22:46	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/16/22	08/16/22 22:46	

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16B**

**2081020-04 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/15/22	08/16/22 10:28	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 10:28	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>418000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:08	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Arsenic</b>	<b>1.77</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Barium</b>	<b>33.7</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Calcium</b>	<b>65000</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:08	AWH
<b>Chromium</b>	<b>4.73</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Cobalt</b>	<b>8.80</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Copper</b>	<b>2.93</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Iron</b>	<b>2290</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:08	AWH
Lead	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Magnesium</b>	<b>62000</b>		ug/L	100	100	1	08/15/22	08/16/22 13:08	AWH
<b>Manganese</b>	<b>12600</b>		ug/L	100	100	100	08/15/22	08/16/22 14:03	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:08	AWH
<b>Nickel</b>	<b>12.8</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Potassium</b>	<b>4140</b>		ug/L	100	100	1	08/15/22	08/16/22 13:08	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Sodium</b>	<b>57700</b>		ug/L	100	100	1	08/15/22	08/16/22 13:08	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Vanadium</b>	<b>1.24</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:08	AWH
<b>Zinc</b>	<b>10.3</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:08	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16B**

**2081020-04 (Nonpotable Water)**  
**Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.09		mg/L	0.02	0.02	1	08/19/22	08/19/22 15:57	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	46.4		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:30	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1174		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	257		mg/L	0.500	0.500	1	08/11/22	08/11/22 18:36	CRP
Nitrate	2.12		mg/L	0.050	0.050	1	08/11/22	08/11/22 18:36	CRP
Nitrate (as N)	0.479		mg/L	0.011	0.011	1	08/11/22	08/11/22 18:36	CRP
Sulfate	2.5		mg/L	0.3	0.3	1	08/11/22	08/11/22 18:36	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	20.2		mg/L	2.3	2.3	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	627		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	196		mg/L	5.0	5.0	1	08/18/22	08/18/22 14:35	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16A**

**2081020-05 (Nonpotable Water)  
Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.51</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>286</b>		NTU	5.00	1.10	10	08/10/22	08/10/22 16:56	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 23:09	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 23:09	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Benzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 23:09	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
<b>Chlorobenzene</b>	<b>4.5</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
<b>1,4-Dichlorobenzene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16A**

**2081020-05 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/16/22	08/16/22 23:09	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 23:09	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 23:09	LL
Isobutanol	ND		ug/L	100	100	1	08/16/22	08/16/22 23:09	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 23:09	LL
<b>Methylene chloride</b>	<b>1.1</b>	L, B	ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/16/22	08/16/22 23:09	LL
Styrene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Toluene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/16/22	08/16/22 23:09	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	113 %			08/16/22	08/16/22 23:09	
Surrogate: Toluene-d8			75-120	102 %			08/16/22	08/16/22 23:09	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/16/22	08/16/22 23:09	



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16A**

**2081020-05 (Nonpotable Water)  
Sample Date: 08/10/22**

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	08/15/22	08/16/22 10:50	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 10:50	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>209000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:11	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Arsenic</b>	<b>8.35</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Barium</b>	<b>470</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Beryllium</b>	<b>1.11</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Calcium</b>	<b>25100</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:11	AWH
<b>Chromium</b>	<b>19.7</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Cobalt</b>	<b>14.0</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Copper</b>	<b>60.5</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Iron</b>	<b>23400</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:11	AWH
<b>Lead</b>	<b>14.3</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Magnesium</b>	<b>35500</b>		ug/L	100	100	1	08/15/22	08/16/22 13:11	AWH
<b>Manganese</b>	<b>9190</b>		ug/L	10.0	10.0	10	08/15/22	08/16/22 14:06	AWH
<b>Mercury</b>	<b>0.503</b>		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:11	AWH
<b>Nickel</b>	<b>31.8</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Potassium</b>	<b>6230</b>		ug/L	100	100	1	08/15/22	08/16/22 13:11	AWH
<b>Selenium</b>	<b>4.30</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Sodium</b>	<b>86700</b>		ug/L	100	100	1	08/15/22	08/16/22 13:11	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Vanadium</b>	<b>14.1</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:11	AWH
<b>Zinc</b>	<b>110</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:11	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**MW-16A**

**2081020-05 (Nonpotable Water)**  
**Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.17		mg/L	0.02	0.02	1	08/19/22	08/19/22 15:58	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	36.1		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:31	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	787		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	75.3		mg/L	0.500	0.500	1	08/11/22	08/11/22 18:55	CRP
Nitrate	25.2		mg/L	0.050	0.050	1	08/11/22	08/11/22 18:55	CRP
Nitrate (as N)	5.68		mg/L	0.011	0.011	1	08/11/22	08/11/22 18:55	CRP
Sulfate	28.1		mg/L	0.3	0.3	1	08/11/22	08/11/22 18:55	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	788		mg/L	18.5	18.5	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	441		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	260		mg/L	5.0	5.0	1	08/18/22	08/18/22 14:53	MCD

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03**

**2081020-06 (Nonpotable Water)  
Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.06</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>2.47</b>		NTU	0.500	0.110	1	08/10/22	08/10/22 17:04	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
<b>Acetone</b>	<b>5.4</b>		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:14	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:14	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>Benzene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:14	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>Chlorobenzene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>1,2-Dichlorobenzene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>1,4-Dichlorobenzene</b>	<b>16.2</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>1,1-Dichloroethane</b>	<b>17.3</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>1,2-Dichloroethane</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>cis-1,2-Dichloroethene</b>	<b>45.7</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>trans-1,2-Dichloroethene</b>	<b>3.1</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>1,2-Dichloropropane</b>	<b>4.0</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03**

**2081020-06 (Nonpotable Water)  
Sample Date: 08/10/22**

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	08/23/22	08/23/22 12:14	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:14	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:14	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 12:14	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:14	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:14	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>Trichloroethene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
<b>Vinyl chloride</b>	<b>8.1</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:14	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	116 %			08/23/22	08/23/22 12:14	
Surrogate: Toluene-d8			75-120	104 %			08/23/22	08/23/22 12:14	
Surrogate: 4-Bromofluorobenzene			75-120	103 %			08/23/22	08/23/22 12:14	



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03**

**2081020-06 (Nonpotable Water)  
Sample Date: 08/10/22**

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	08/15/22	08/16/22 11:11	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 11:11	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>427000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:13	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Arsenic</b>	<b>2.32</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Barium</b>	<b>435</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Calcium</b>	<b>82800</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:13	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Cobalt</b>	<b>52.3</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Copper</b>	<b>1.22</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Iron</b>	<b>25000</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:13	AWH
Lead	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Magnesium</b>	<b>53500</b>		ug/L	100	100	1	08/15/22	08/16/22 13:13	AWH
<b>Manganese</b>	<b>21800</b>		ug/L	100	100	100	08/15/22	08/16/22 14:08	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:13	AWH
<b>Nickel</b>	<b>14.9</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Potassium</b>	<b>6850</b>		ug/L	100	100	1	08/15/22	08/16/22 13:13	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Sodium</b>	<b>54700</b>		ug/L	100	100	1	08/15/22	08/16/22 13:13	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:13	AWH
<b>Zinc</b>	<b>6.25</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:13	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03**

**2081020-06 (Nonpotable Water)  
Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	1.54		mg/L	0.02	0.02	1	08/19/22	08/19/22 15:58	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	31.0		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:31	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1268		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	226		mg/L	0.500	0.500	1	08/11/22	08/11/22 20:09	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/11/22	08/11/22 20:09	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/11/22	08/11/22 20:09	CRP
Sulfate	19.8		mg/L	0.3	0.3	1	08/11/22	08/11/22 20:09	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	4.6		mg/L	2.3	2.3	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	687		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	305		mg/L	5.0	5.0	1	08/18/22	08/18/22 15:02	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03A**

**2081020-07 (Nonpotable Water)**  
**Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.26</b>	O-07	pH Units			1	08/10/22	08/10/22 18:44	VVD
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>132</b>		NTU	5.00	1.10	10	08/10/22	08/10/22 17:16	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	7.6		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:37	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:37	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Benzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:37	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
<b>Chlorobenzene</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
<b>1,4-Dichlorobenzene</b>	<b>10.6</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
<b>1,1-Dichloroethane</b>	<b>12.2</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
<b>1,2-Dichloroethane</b>	<b>1.7</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
cis-1,2-Dichloroethene	30.8		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
trans-1,2-Dichloroethene	2.3		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
<b>1,2-Dichloropropane</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03A**

**2081020-07 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/23/22	08/23/22 12:37	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:37	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:37	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 12:37	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:37	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 12:37	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
<b>Vinyl chloride</b>	<b>4.9</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 12:37	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	120 %			08/23/22	08/23/22 12:37	
Surrogate: Toluene-d8			75-120	100 %			08/23/22	08/23/22 12:37	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			08/23/22	08/23/22 12:37	



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03A**

**2081020-07 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/15/22	08/16/22 11:32	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 11:32	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>457000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:15	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Arsenic</b>	<b>8.49</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Barium</b>	<b>296</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Calcium</b>	<b>89900</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:15	AWH
Chromium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Cobalt</b>	<b>37.6</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
Copper	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Iron</b>	<b>30400</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:15	AWH
Lead	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Magnesium</b>	<b>56400</b>		ug/L	100	100	1	08/15/22	08/16/22 13:15	AWH
<b>Manganese</b>	<b>15600</b>		ug/L	100	100	100	08/15/22	08/16/22 14:10	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:15	AWH
<b>Nickel</b>	<b>10.8</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Potassium</b>	<b>10400</b>		ug/L	100	100	1	08/15/22	08/16/22 13:15	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
<b>Sodium</b>	<b>65800</b>		ug/L	100	100	1	08/15/22	08/16/22 13:15	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:15	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:15	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**OB03A**

**2081020-07 (Nonpotable Water)**  
**Sample Date: 08/10/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	2.52		mg/L	0.03	0.03	2	08/19/22	08/19/22 15:59	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	29.4		mg/L	3.0	3.0	1	08/12/22	08/12/22 17:32	CRP
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1287		uS/cm			1	08/12/22	08/12/22 14:07	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	193		mg/L	0.500	0.500	1	08/11/22	08/11/22 20:27	CRP
Nitrate	0.160		mg/L	0.050	0.050	1	08/11/22	08/11/22 20:27	CRP
Nitrate (as N)	0.036		mg/L	0.011	0.011	1	08/11/22	08/11/22 20:27	CRP
Sulfate	41.5		mg/L	0.3	0.3	1	08/11/22	08/11/22 20:27	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	52.9		mg/L	2.2	2.2	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	712		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	367		mg/L	5.0	5.0	1	08/18/22	08/18/22 15:12	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**TRIP BLANK**

**2081020-08 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	5.3		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:27	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:27	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Benzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:27	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**TRIP BLANK**

**2081020-08 (Nonpotable Water)**  
**Sample Date: 08/10/22**

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	08/23/22	08/23/22 11:27	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:27	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:27	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 11:27	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:27	LL
<b>Methylene chloride</b>	<b>1.1</b>	L	ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:27	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:27	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	115 %			08/23/22	08/23/22 11:27	
Surrogate: Toluene-d8			75-120	99 %			08/23/22	08/23/22 11:27	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			08/23/22	08/23/22 11:27	

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

1500 Caton Center Dr Suite G  
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www.mdspectral.com  
MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208260 - pH (Paper or Meter)**

Reference (B208260-SRM1)

Prepared & Analyzed: 08/10/22

pH	6.96			pH Units	6.964		100	98.88-101.12		
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Rabecka Koons, Quality Assurance Officer

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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208249 - Turbidity Prep (EPA 180.1)**

**Blank (B208249-BLK1)**

Prepared & Analyzed: 08/10/22

Turbidity	ND		0.500	NTU						
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**Duplicate (B208249-DUP1)**

Source: 2080912-02

Prepared & Analyzed: 08/10/22

Turbidity	19.8		0.500	NTU	21.2				7	30
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208367 - GCMS-WATER-VOLATILES**

**Blank (B208367-BLK1)**

Prepared & Analyzed: 08/16/22

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	1.2		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	49.72			ug/L	50.00		99	70-130		
Surrogate: Toluene-d8	49.91			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	49.14			ug/L	50.00		98	75-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208367 - GCMS-WATER-VOLATILES**

Duplicate (B208367-DUP1)	Source: 2081020-01	Prepared & Analyzed: 08/16/22
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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208367 - GCMS-WATER-VOLATILES**

Duplicate (B208367-DUP1)	Source: 2081020-01			Prepared & Analyzed: 08/16/22						
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	1.1	B	1.0	ug/L		1.0			7	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		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	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
Vinyl chloride	ND		1.0	ug/L		ND				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	57.87			ug/L	50.00		116	70-130		
Surrogate: Toluene-d8	50.43			ug/L	50.00		101	75-120		
Surrogate: 4-Bromofluorobenzene	49.59			ug/L	50.00		99	75-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208367 - GCMS-WATER-VOLATILES**

Matrix Spike (B208367-MS1)	Source: 2081020-02			Prepared & Analyzed: 08/16/22						
Acetone	16.6		5.0	ug/L	10.00	7.9	87	60-120		
Acrylonitrile	10.4		5.0	ug/L	10.00	ND	104	0-200		
Benzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Bromochloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Bromodichloromethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
Bromoform	8.7		1.0	ug/L	10.00	ND	87	60-120		
Bromomethane	12.3		1.0	ug/L	10.00	ND	123	60-120		
2-Butanone (MEK)	9.7		5.0	ug/L	10.00	ND	97	60-120		
Carbon disulfide	10.6		1.0	ug/L	10.00	ND	106	60-120		
Carbon tetrachloride	10.5		1.0	ug/L	10.00	ND	105	60-120		
Chlorobenzene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Chloroethane	11.2		1.0	ug/L	10.00	ND	112	60-120		
Chloroform	10.8		1.0	ug/L	10.00	ND	108	60-120		
Chloromethane	11.5		1.0	ug/L	10.00	ND	115	60-120		
Dibromochloromethane	9.5		1.0	ug/L	10.00	ND	95	60-120		
1,2-Dibromo-3-chloropropane	8.3		1.0	ug/L	10.00	ND	83	60-120		
1,2-Dibromoethane (EDB)	9.9		1.0	ug/L	10.00	ND	99	60-120		
Dibromomethane	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,2-Dichlorobenzene	10.0		1.0	ug/L	10.00	ND	100	60-120		
1,4-Dichlorobenzene	10.7		1.0	ug/L	10.00	ND	107	60-120		
1,1-Dichloroethane	13.2		1.0	ug/L	10.00	2.4	108	60-120		
1,2-Dichloroethane	11.4		1.0	ug/L	10.00	ND	114	60-120		
1,1-Dichloroethene	9.7		1.0	ug/L	10.00	ND	97	60-120		
cis-1,2-Dichloroethene	16.5		1.0	ug/L	10.00	6.3	102	60-120		
trans-1,2-Dichloroethene	10.1		1.0	ug/L	10.00	ND	101	60-120		
1,2-Dichloropropane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,3-Dichloropropane	10.4		1.0	ug/L	10.00	ND	104	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.00	ND	87	60-120		
1,1-Dichloropropene	10.0		1.0	ug/L	10.00	ND	100	60-120		
cis-1,3-Dichloropropene	9.1		1.0	ug/L	10.00	ND	91	60-120		
trans-1,3-Dichloropropene	9.4		1.0	ug/L	10.00	ND	94	60-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208367 - GCMS-WATER-VOLATILES**

Matrix Spike (B208367-MS1)	Source: 2081020-02	Prepared & Analyzed: 08/16/22
Ethylbenzene	10.3	1.0 ug/L 10.00 ND 103 60-120
2-Hexanone	8.9	5.0 ug/L 10.00 ND 89 60-120
Methyl tert-butyl ether (MTBE)	9.1	1.0 ug/L 10.00 ND 91 60-120
4-Methyl-2-pentanone	9.2	5.0 ug/L 10.00 ND 92 60-120
Methylene chloride	10.9	B 1.0 ug/L 10.00 1.5 94 60-120
Methyl methacrylate	8.5	5.0 ug/L 10.00 ND 85 60-120
Styrene	5.1	1.0 ug/L 10.00 ND 51 60-120
1,1,1,2-Tetrachloroethane	10.0	1.0 ug/L 10.00 ND 100 60-120
1,1,2,2-Tetrachloroethane	10.2	1.0 ug/L 10.00 ND 102 60-120
Tetrachloroethene	11.2	1.0 ug/L 10.00 1.5 98 60-120
Toluene	10.2	1.0 ug/L 10.00 ND 102 60-120
1,1,1-Trichloroethane	10.5	1.0 ug/L 10.00 ND 105 60-120
1,1,2-Trichloroethane	10.0	1.0 ug/L 10.00 ND 100 60-120
Trichloroethene	12.5	1.0 ug/L 10.00 1.9 106 60-120
Trichlorofluoromethane (Freon 11)	11.9	1.0 ug/L 10.00 ND 119 60-120
1,2,3-Trichloropropane	10.4	1.0 ug/L 10.00 ND 104 60-120
Vinyl acetate	6.3	1.0 ug/L 10.00 ND 63 60-120
Vinyl chloride	11.6	1.0 ug/L 10.00 ND 116 60-120
o-Xylene	9.3	1.0 ug/L 10.00 ND 93 60-120
m- & p-Xylenes	20.5	1.0 ug/L 20.00 ND 102 60-120
Surrogate: 1,2-Dichloroethane-d4	53.32	ug/L 50.00 107 70-130
Surrogate: Toluene-d8	50.32	ug/L 50.00 101 75-120
Surrogate: 4-Bromofluorobenzene	52.08	ug/L 50.00 104 75-120

**Batch B208489 - GCMS-WATER-VOLATILES**

Blank (B208489-BLK1)	Prepared & Analyzed: 08/23/22
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



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

**Blank (B208489-BLK1)**

Prepared & Analyzed: 08/23/22

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						
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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

**Blank (B208489-BLK1)**

Prepared & Analyzed: 08/23/22

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	57.09			ug/L	50.00		114	70-130		
Surrogate: Toluene-d8	48.88			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	49.28			ug/L	50.00		99	75-120		

**LCS (B208489-BS1)**

Prepared & Analyzed: 08/23/22

Acetone	11.2		5.0	ug/L	10.00		112	50-150		
Acrylonitrile	4.2	J	5.0	ug/L	5.000		84	50-150		
Benzene	4.7		1.0	ug/L	5.000		94	50-150		
Bromochloromethane	5.1		1.0	ug/L	5.000		102	50-150		
Bromodichloromethane	5.0		1.0	ug/L	5.000		99	50-150		
Bromoform	4.2		1.0	ug/L	5.000		85	50-150		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

**LCS (B208489-BS1)**

Prepared & Analyzed: 08/23/22

Bromomethane	5.7		1.0	ug/L	5.000		114	50-150		
2-Butanone (MEK)	7.7		5.0	ug/L	10.00		77	50-150		
Carbon disulfide	5.2		1.0	ug/L	5.000		105	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.000		100	50-150		
Chlorobenzene	4.7		1.0	ug/L	5.000		94	50-150		
Chloroethane	5.3		1.0	ug/L	5.000		106	50-150		
Chloroform	5.1		1.0	ug/L	5.000		102	50-150		
Chloromethane	5.9		1.0	ug/L	5.000		118	50-150		
Dibromochloromethane	4.4		1.0	ug/L	5.000		89	50-150		
1,2-Dibromo-3-chloropropane	4.5		1.0	ug/L	5.000		91	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.1		1.0	ug/L	5.000		102	50-150		
1,2-Dichlorobenzene	4.2		1.0	ug/L	5.000		84	50-150		
1,4-Dichlorobenzene	5.0		1.0	ug/L	5.000		101	50-150		
1,1-Dichloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,2-Dichloroethane	5.5		1.0	ug/L	5.000		109	50-150		
1,1-Dichloroethene	4.6		1.0	ug/L	5.000		92	50-150		
cis-1,2-Dichloroethene	4.6		1.0	ug/L	5.000		91	50-150		
trans-1,2-Dichloroethene	4.4		1.0	ug/L	5.000		88	50-150		
1,2-Dichloropropane	4.9		1.0	ug/L	5.000		98	50-150		
1,3-Dichloropropane	4.7		1.0	ug/L	5.000		93	50-150		
2,2-Dichloropropane	5.2		1.0	ug/L	5.000		103	50-150		
1,1-Dichloropropene	4.3		1.0	ug/L	5.000		86	50-150		
cis-1,3-Dichloropropene	4.1		1.0	ug/L	5.000		81	50-150		
trans-1,3-Dichloropropene	4.2		1.0	ug/L	5.000		84	50-150		
Ethylbenzene	4.5		1.0	ug/L	5.000		90	50-150		
2-Hexanone	9.0		5.0	ug/L	10.00		90	50-150		
Methyl tert-butyl ether (MTBE)	3.9		1.0	ug/L	5.000		78	50-150		
4-Methyl-2-pentanone	9.7		5.0	ug/L	10.00		97	50-150		
Methylene chloride	5.7		1.0	ug/L	5.000		114	0-200		
Methyl methacrylate	3.8	J	5.0	ug/L	5.000		76	50-150		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

**LCS (B208489-BS1)**

Prepared & Analyzed: 08/23/22

Styrene	3.7		1.0	ug/L	5.000		73	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.000		94	50-150		
1,1,2,2-Tetrachloroethane	4.9		1.0	ug/L	5.000		97	50-150		
Tetrachloroethene	4.6		1.0	ug/L	5.000		92	50-150		
Toluene	4.7		1.0	ug/L	5.000		94	50-150		
1,1,1-Trichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.000		93	50-150		
Trichloroethene	4.5		1.0	ug/L	5.000		89	50-150		
Trichlorofluoromethane (Freon 11)	5.5		1.0	ug/L	5.000		109	50-150		
1,2,3-Trichloropropane	4.8		1.0	ug/L	5.000		95	50-150		
Vinyl acetate	3.2		1.0	ug/L	5.000		65	50-150		
Vinyl chloride	5.5		1.0	ug/L	5.000		111	50-150		
o-Xylene	3.7		1.0	ug/L	5.000		73	50-150		
m- & p-Xylenes	8.4		1.0	ug/L	10.00		84	50-150		
Surrogate: 1,2-Dichloroethane-d4	55.36			ug/L	50.00		111	70-130		
Surrogate: Toluene-d8	49.78			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	52.05			ug/L	50.00		104	75-120		

**Duplicate (B208489-DUP1)**

Source: 2081020-06

Prepared & Analyzed: 08/23/22

Acetone	ND		5.0	ug/L		5.4				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	1.4		1.0	ug/L		1.4			0	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	2.3		1.0	ug/L		2.4			3	20
Chloroethane	1.6		1.0	ug/L		ND				20

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

Duplicate (B208489-DUP1)	Source: 2081020-06	Prepared & Analyzed: 08/23/22			
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	1.3	7	20
1,4-Dichlorobenzene	15.3	1.0 ug/L	16.2	6	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20	
1,1-Dichloroethane	17.2	1.0 ug/L	17.3	0.7	20
1,2-Dichloroethane	2.3	1.0 ug/L	2.4	7	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20	
cis-1,2-Dichloroethene	44.0	1.0 ug/L	45.7	4	20
trans-1,2-Dichloroethene	3.1	1.0 ug/L	3.1	2	20
1,2-Dichloropropane	3.9	1.0 ug/L	4.0	3	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)	1.4	1.0 ug/L	1.5	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	



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208489-DUP1)</b>		<b>Source: 2081020-06</b>			<b>Prepared &amp; Analyzed: 08/23/22</b>					
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		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	1.1		1.0	ug/L		1.2			3	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	8.0		1.0	ug/L		8.1			1	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>59.56</i>			<i>ug/L</i>	<i>50.00</i>		<i>119</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.37</i>			<i>ug/L</i>	<i>50.00</i>		<i>101</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.43</i>			<i>ug/L</i>	<i>50.00</i>		<i>99</i>	<i>75-120</i>		

<b>Matrix Spike (B208489-MS1)</b>		<b>Source: 2081106-01</b>			<b>Prepared &amp; Analyzed: 08/23/22</b>					
Acetone	9.8		5.0	ug/L	10.00	3.3	66	60-120		
Acrylonitrile	10.1		5.0	ug/L	10.00	ND	101	0-200		
Benzene	10.3		1.0	ug/L	10.00	ND	103	60-120		
Bromochloromethane	10.8		1.0	ug/L	10.00	ND	108	60-120		
Bromodichloromethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
Bromoform	9.5		1.0	ug/L	10.00	ND	95	60-120		
Bromomethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
2-Butanone (MEK)	9.0		5.0	ug/L	10.00	ND	90	60-120		
Carbon disulfide	11.1		1.0	ug/L	10.00	ND	111	60-120		
Carbon tetrachloride	11.3		1.0	ug/L	10.00	ND	113	60-120		
Chlorobenzene	10.7		1.0	ug/L	10.00	ND	107	60-120		
Chloroethane	11.7		1.0	ug/L	10.00	ND	117	60-120		
Chloroform	11.0		1.0	ug/L	10.00	ND	110	60-120		
Chloromethane	12.0		1.0	ug/L	10.00	ND	120	60-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

Matrix Spike (B208489-MS1)	Source: 2081106-01			Prepared & Analyzed: 08/23/22						
Dibromochloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dibromo-3-chloropropane	8.6		1.0	ug/L	10.00	ND	86	60-120		
1,2-Dibromoethane (EDB)	9.8		1.0	ug/L	10.00	ND	98	60-120		
Dibromomethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dichlorobenzene	9.4		1.0	ug/L	10.00	ND	94	60-120		
1,4-Dichlorobenzene	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,1-Dichloroethane	11.4		1.0	ug/L	10.00	ND	114	60-120		
1,2-Dichloroethane	12.0		1.0	ug/L	10.00	ND	120	60-120		
1,1-Dichloroethene	9.5		1.0	ug/L	10.00	ND	95	60-120		
cis-1,2-Dichloroethene	9.6		1.0	ug/L	10.00	ND	96	60-120		
trans-1,2-Dichloroethene	9.6		1.0	ug/L	10.00	ND	96	60-120		
1,2-Dichloropropane	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,3-Dichloropropane	10.2		1.0	ug/L	10.00	ND	102	60-120		
2,2-Dichloropropane	11.5		1.0	ug/L	10.00	ND	115	60-120		
1,1-Dichloropropene	9.8		1.0	ug/L	10.00	ND	98	60-120		
cis-1,3-Dichloropropene	9.2		1.0	ug/L	10.00	ND	92	60-120		
trans-1,3-Dichloropropene	9.8		1.0	ug/L	10.00	ND	98	60-120		
Ethylbenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
2-Hexanone	8.3		5.0	ug/L	10.00	ND	83	60-120		
Methyl tert-butyl ether (MTBE)	8.5		1.0	ug/L	10.00	ND	85	60-120		
4-Methyl-2-pentanone	8.8		5.0	ug/L	10.00	ND	88	60-120		
Methylene chloride	10.5		1.0	ug/L	10.00	ND	105	60-120		
Methyl methacrylate	8.2		5.0	ug/L	10.00	ND	82	60-120		
Styrene	9.2		1.0	ug/L	10.00	ND	92	60-120		
1,1,1,2-Tetrachloroethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
1,1,2,2-Tetrachloroethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
Tetrachloroethene	10.4		1.0	ug/L	10.00	ND	104	60-120		
Toluene	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,1,1-Trichloroethane	11.2		1.0	ug/L	10.00	ND	112	60-120		
1,1,2-Trichloroethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
Trichloroethene	10.4		1.0	ug/L	10.00	ND	104	60-120		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208489 - GCMS-WATER-VOLATILES**

Matrix Spike (B208489-MS1)	Source: 2081106-01	Prepared & Analyzed: 08/23/22
Trichlorofluoromethane (Freon 11)	12.0	1.0 ug/L 10.00 ND 120 60-120
1,2,3-Trichloropropane	10.3	1.0 ug/L 10.00 ND 103 60-120
Vinyl acetate	10.4	1.0 ug/L 10.00 ND 104 60-120
Vinyl chloride	11.6	1.0 ug/L 10.00 ND 116 60-120
o-Xylene	8.9	1.0 ug/L 10.00 ND 89 60-120
m- & p-Xylenes	20.7	1.0 ug/L 20.00 ND 103 60-120
Surrogate: 1,2-Dichloroethane-d4	55.17	ug/L 50.00 110 70-130
Surrogate: Toluene-d8	50.81	ug/L 50.00 102 75-120
Surrogate: 4-Bromofluorobenzene	52.78	ug/L 50.00 106 75-120



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208337 - 504.1 EDB/DBCP</b>										
<b>Blank (B208337-BLK1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208337-BLK2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208337-BS1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.1000		85	70-130		
1,2-Dibromoethane (EDB)	0.099		0.020	ug/L	0.1000		99	70-130		
<b>LCS (B208337-BS2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	0.090		0.050	ug/L	0.1000		90	70-130		
1,2-Dibromoethane (EDB)	0.109		0.020	ug/L	0.1000		109	70-130		
<b>Matrix Spike (B208337-MS1)</b>					Source: 2080417-01		Prepared & Analyzed: 08/15/22			
1,2-Dibromo-3-chloropropane	0.201		0.047	ug/L	0.1872	ND	107	70-130		
1,2-Dibromoethane (EDB)	0.163		0.019	ug/L	0.1872	ND	87	70-130		
<b>Matrix Spike (B208337-MS2)</b>					Source: 2080812-03		Prepared: 08/15/22 Analyzed: 08/16/22			
1,2-Dibromo-3-chloropropane	0.164		0.047	ug/L	0.1882	ND	87	70-130		
1,2-Dibromoethane (EDB)	0.196		0.019	ug/L	0.1882	ND	104	70-130		
<b>Reference (B208337-SRM1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.02000		119	0-200		
<b>Reference (B208337-SRM2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.026		0.020	ug/L	0.02000		132	0-200		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208344 - 3010A-Metals Digestion**

**Blank (B208344-BLK1)**

Prepared: 08/15/22 Analyzed: 08/16/22

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						

**Blank (B208344-BLK2)**

Prepared: 08/15/22 Analyzed: 08/16/22

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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208344 - 3010A-Metals Digestion**

**Blank (B208344-BLK2)**

Prepared: 08/15/22 Analyzed: 08/16/22

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 (B208344-BS1)**

Prepared: 08/15/22 Analyzed: 08/16/22

Antimony	48.7		1.00	ug/L	50.00		97	80-120		
Arsenic	49.7		1.00	ug/L	50.00		99	80-120		
Barium	50.2		1.00	ug/L	50.00		100	80-120		
Beryllium	46.7		1.00	ug/L	50.00		93	80-120		
Cadmium	50.3		1.00	ug/L	50.00		101	80-120		
Calcium	5070		80.0	ug/L	5000		101	80-120		
Chromium	51.5		1.00	ug/L	50.00		103	80-120		
Cobalt	51.1		1.00	ug/L	50.00		102	80-120		
Copper	52.8		1.00	ug/L	50.00		106	80-120		
Iron	5230		100	ug/L	5000		105	80-120		
Lead	48.9		1.00	ug/L	50.00		98	80-120		
Magnesium	5420		100	ug/L	5000		108	80-120		
Manganese	50.7		1.00	ug/L	50.00		101	80-120		
Mercury	2.39		0.100	ug/L	2.500		96	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208344 - 3010A-Metals Digestion**

**LCS (B208344-BS1)**

Prepared: 08/15/22 Analyzed: 08/16/22

Nickel	50.8		1.00	ug/L	50.00		102	80-120		
Potassium	5080		100	ug/L	5000		102	80-120		
Selenium	50.3		1.00	ug/L	50.00		101	80-120		
Silver	51.6		1.00	ug/L	50.00		103	80-120		
Sodium	5390		100	ug/L	5000		108	80-120		
Thallium	49.7		1.00	ug/L	50.00		99	80-120		
Vanadium	50.2		1.00	ug/L	50.00		100	80-120		
Zinc	103		4.00	ug/L	100.0		103	80-120		

**LCS (B208344-BS2)**

Prepared: 08/15/22 Analyzed: 08/16/22

Antimony	48.6		1.00	ug/L	50.00		97	80-120		
Arsenic	48.7		1.00	ug/L	50.00		97	80-120		
Barium	49.6		1.00	ug/L	50.00		99	80-120		
Beryllium	48.1		1.00	ug/L	50.00		96	80-120		
Cadmium	50.2		1.00	ug/L	50.00		100	80-120		
Calcium	4910		80.0	ug/L	5000		98	80-120		
Chromium	50.5		1.00	ug/L	50.00		101	80-120		
Cobalt	49.9		1.00	ug/L	50.00		100	80-120		
Copper	51.5		1.00	ug/L	50.00		103	80-120		
Iron	5160		100	ug/L	5000		103	80-120		
Lead	48.0		1.00	ug/L	50.00		96	80-120		
Magnesium	5350		100	ug/L	5000		107	80-120		
Manganese	50.3		1.00	ug/L	50.00		101	80-120		
Mercury	2.42		0.100	ug/L	2.500		97	80-120		
Nickel	50.1		1.00	ug/L	50.00		100	80-120		
Potassium	5020		100	ug/L	5000		100	80-120		
Selenium	47.3		1.00	ug/L	50.00		95	80-120		
Silver	51.2		1.00	ug/L	50.00		102	80-120		
Sodium	5350		100	ug/L	5000		107	80-120		
Thallium	49.0		1.00	ug/L	50.00		98	80-120		
Vanadium	49.8		1.00	ug/L	50.00		100	80-120		
Zinc	101		4.00	ug/L	100.0		101	80-120		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208344 - 3010A-Metals Digestion**

<b>Duplicate (B208344-DUP1)</b>		<b>Source: 2081011-01</b>		<b>Prepared: 08/15/22 Analyzed: 08/16/22</b>			
Hardness as CaCO3	93000		500	ug/L	91600	1	200
Antimony	ND		1.00	ug/L	ND		20
Arsenic	ND		1.00	ug/L	ND		20
Barium	56.2		1.00	ug/L	55.6	1	20
Beryllium	ND		1.00	ug/L	ND		20
Cadmium	ND		1.00	ug/L	ND		20
Calcium	27200		80.0	ug/L	26600	2	20
Chromium	ND		1.00	ug/L	ND		20
Cobalt	ND		1.00	ug/L	ND		20
Copper	ND		1.00	ug/L	ND		20
Iron	265		100	ug/L	278	5	20
Lead	ND		1.00	ug/L	ND		20
Magnesium	6110		100	ug/L	6100	0.2	20
Manganese	68.9		1.00	ug/L	68.5	0.6	20
Mercury	ND		0.100	ug/L	ND		20
Nickel	1.09		1.00	ug/L	1.07	2	20
Potassium	2210		100	ug/L	2180	1	20
Selenium	ND		1.00	ug/L	ND		20
Silver	ND		1.00	ug/L	ND		20
Sodium	10400		100	ug/L	10300	0.5	20
Thallium	ND		1.00	ug/L	ND		20
Vanadium	ND		1.00	ug/L	ND		20
Zinc	ND		4.00	ug/L	ND		20

<b>Duplicate (B208344-DUP2)</b>		<b>Source: 2081020-01</b>		<b>Prepared: 08/15/22 Analyzed: 08/16/22</b>			
Hardness as CaCO3	303000		500	ug/L	301000	0.5	200
Antimony	ND		1.00	ug/L	ND		20
Arsenic	ND		1.00	ug/L	ND		20
Barium	41.6		1.00	ug/L	41.8	0.5	20
Beryllium	ND		1.00	ug/L	ND		20
Cadmium	ND		1.00	ug/L	ND		20
Calcium	76500		80.0	ug/L	74800	2	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208344 - 3010A-Metals Digestion**

<b>Duplicate (B208344-DUP2)</b>		<b>Source: 2081020-01</b>			Prepared: 08/15/22		Analyzed: 08/16/22	
Chromium	2.63		1.00	ug/L	2.66		1	20
Cobalt	ND		1.00	ug/L	ND			20
Copper	16.3		1.00	ug/L	16.3		0.2	20
Iron	540		100	ug/L	547		1	20
Lead	1.78		1.00	ug/L	1.77		0.3	20
Magnesium	27100		100	ug/L	27800		2	20
Manganese	72.6		1.00	ug/L	72.5		0.02	20
Mercury	ND		0.100	ug/L	ND			20
Nickel	12.6		1.00	ug/L	12.6		0.3	20
Potassium	5740		100	ug/L	5680		1	20
Selenium	ND		1.00	ug/L	ND			20
Silver	ND		1.00	ug/L	ND			20
Sodium	25000		100	ug/L	25600		2	20
Thallium	ND		1.00	ug/L	ND			20
Vanadium	ND		1.00	ug/L	ND			20
Zinc	61.3		4.00	ug/L	61.6		0.5	20

<b>Matrix Spike (B208344-MS1)</b>		<b>Source: 2081011-01</b>			Prepared: 08/15/22		Analyzed: 08/16/22	
Antimony	48.8		1.00	ug/L	50.00	ND	98	75-125
Arsenic	49.4		1.00	ug/L	50.00	ND	99	75-125
Barium	105		1.00	ug/L	50.00	55.6	99	75-125
Beryllium	50.1		1.00	ug/L	50.00	ND	100	75-125
Cadmium	49.9		1.00	ug/L	50.00	ND	100	75-125
Calcium	31600		80.0	ug/L	5000	26600	99	75-125
Chromium	51.4		1.00	ug/L	50.00	ND	103	75-125
Cobalt	50.5		1.00	ug/L	50.00	ND	101	75-125
Copper	51.7		1.00	ug/L	50.00	ND	103	75-125
Iron	5390		100	ug/L	5000	278	102	75-125
Lead	49.6		1.00	ug/L	50.00	ND	99	75-125
Magnesium	11200		100	ug/L	5000	6100	101	75-125
Manganese	119		1.00	ug/L	50.00	68.5	101	75-125
Mercury	2.54		0.100	ug/L	2.500	ND	102	75-125

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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.

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208344 - 3010A-Metals Digestion**

Matrix Spike (B208344-MS1)	Source: 2081011-01			Prepared: 08/15/22		Analyzed: 08/16/22		
Nickel	51.4		1.00	ug/L	50.00	1.07	101	75-125
Potassium	7470		100	ug/L	5000	2180	106	75-125
Selenium	48.5		1.00	ug/L	50.00	ND	97	75-125
Silver	50.5		1.00	ug/L	50.00	ND	101	75-125
Sodium	15400		100	ug/L	5000	10300	101	75-125
Thallium	50.4		1.00	ug/L	50.00	ND	101	75-125
Vanadium	50.4		1.00	ug/L	50.00	ND	101	75-125
Zinc	99.5		4.00	ug/L	100.0	ND	99	75-125

Matrix Spike (B208344-MS2)	Source: 2081020-01			Prepared: 08/15/22		Analyzed: 08/16/22		
Antimony	49.6		1.00	ug/L	50.00	ND	99	75-125
Arsenic	49.3		1.00	ug/L	50.00	ND	99	75-125
Barium	91.2		1.00	ug/L	50.00	41.8	99	75-125
Beryllium	49.9		1.00	ug/L	50.00	ND	100	75-125
Cadmium	50.1		1.00	ug/L	50.00	ND	100	75-125
Calcium	81500	QM-4X	80.0	ug/L	5000	74800	134	75-125
Chromium	53.0		1.00	ug/L	50.00	2.66	101	75-125
Cobalt	50.5		1.00	ug/L	50.00	ND	101	75-125
Copper	66.6		1.00	ug/L	50.00	16.3	101	75-125
Iron	5690		100	ug/L	5000	547	103	75-125
Lead	51.2		1.00	ug/L	50.00	1.77	99	75-125
Magnesium	32600		100	ug/L	5000	27800	95	75-125
Manganese	123		1.00	ug/L	50.00	72.5	101	75-125
Mercury	2.58		0.100	ug/L	2.500	ND	103	75-125
Nickel	63.4		1.00	ug/L	50.00	12.6	102	75-125
Potassium	10900		100	ug/L	5000	5680	104	75-125
Selenium	47.5		1.00	ug/L	50.00	ND	95	75-125
Silver	50.4		1.00	ug/L	50.00	ND	101	75-125
Sodium	30300		100	ug/L	5000	25600	94	75-125
Thallium	50.5		1.00	ug/L	50.00	ND	101	75-125
Vanadium	50.5		1.00	ug/L	50.00	ND	101	75-125
Zinc	160		4.00	ug/L	100.0	61.6	98	75-125



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208440 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208440-BLK1)</b>					Prepared & Analyzed: 08/19/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208440-BS1)</b>					Prepared & Analyzed: 08/19/22					
Ammonia as N	0.52		0.02	mg/L	0.5000		105	80-120		
<b>Duplicate (B208440-DUP1)</b>					Source: 2081020-01 Prepared & Analyzed: 08/19/22					
Ammonia as N	0.02		0.02	mg/L		0.02			5	200
<b>Matrix Spike (B208440-MS1)</b>					Source: 2081020-01 Prepared & Analyzed: 08/19/22					
Ammonia as N	0.51		0.02	mg/L	0.5000	0.02	98	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208298 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208298-BLK1)</b>					Prepared & Analyzed: 08/12/22					
COD	ND		3.0	mg/L						
<b>LCS (B208298-BS1)</b>					Prepared & Analyzed: 08/12/22					
COD	49.5		3.0	mg/L	50.00		99	90-110		
<b>Duplicate (B208298-DUP1)</b>					Source: 2080417-01		Prepared & Analyzed: 08/12/22			
COD	12.2	QM-06	3.0	mg/L		16.9			32	20
<b>Matrix Spike (B208298-MS1)</b>					Source: 2080417-01		Prepared & Analyzed: 08/12/22			
COD	67.8		3.0	mg/L	50.00	16.9	102	90-110		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208301 - Conductivity (SM 2510B)**

<b>Duplicate (B208301-DUP1)</b>		<b>Source: 2080912-01</b>		<b>Prepared &amp; Analyzed: 08/12/22</b>						
Conductivity	157.4			uS/cm		159.3			1	20
<b>Duplicate (B208301-DUP2)</b>		<b>Source: 2081020-03</b>		<b>Prepared &amp; Analyzed: 08/12/22</b>						
Conductivity	521.7			uS/cm		528			1	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208274 - 300.0 Anions Prep**

**Blank (B208274-BLK1)**

Prepared & Analyzed: 08/11/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208274-BS1)**

Prepared & Analyzed: 08/11/22

Chloride	3.88		0.500	mg/L	4.000		97	90-110		
Nitrate	3.61		0.050	mg/L	4.000		90	90-110		
Nitrate (as N)	0.816		0.011	mg/L				90-110		
Sulfate	3.9		0.3	mg/L	4.000		98	90-110		

**Duplicate (B208274-DUP1)**

Source: 2081020-01

Prepared & Analyzed: 08/11/22

Chloride	161		0.500	mg/L		162			0.5	20
Nitrate	7.30		0.050	mg/L		7.33			0.5	200
Nitrate (as N)	1.65		0.011	mg/L		1.66			0.5	200
Sulfate	8.8		0.3	mg/L		8.8			0.4	20

**Matrix Spike (B208274-MS1)**

Source: 2081020-01

Prepared & Analyzed: 08/11/22

Chloride	157	QM-4X	0.500	mg/L	4.000	162	NR	80-120		
Nitrate	10.8		0.050	mg/L	4.000	7.33	86	80-120		
Nitrate (as N)	2.44		0.011	mg/L		1.66		80-120		
Sulfate	12.3		0.3	mg/L	4.000	8.8	89	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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 B208345 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208345-BLK1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208345-BS1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	61.0		2.5	mg/L	56.90		107	70-130		
<b>Duplicate (B208345-DUP1)</b>			<b>Source: 2081020-01</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
Solids, Suspended	23.7		4.2	mg/L		21.0			12	20

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208361 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208361-BLK1)</b>					Prepared: 08/16/22 Analyzed: 08/17/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208361-BS1)</b>					Prepared: 08/16/22 Analyzed: 08/17/22					
Solids, Dissolved	743		10.0	mg/L	804.5		92	90-110		
<b>Duplicate (B208361-DUP1)</b>			<b>Source: 2081020-01</b>		Prepared: 08/16/22 Analyzed: 08/17/22					
Solids, Dissolved	478		10.0	mg/L		472			1	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 848721 - SM 2320B</b>										
<b>BLANK (4668929)</b>					Prepared & Analyzed: 08/17/22					
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4668930)</b>					Prepared & Analyzed: 08/17/22					
Alkalinity, Total as CaCO3	101%		5.0	mg/L	250		101	90-110		
<b>Batch 849144 - SM 2320B</b>										
<b>BLANK (4671310)</b>					Prepared & Analyzed: 08/18/22					
Alkalinity, Total as CaCO3	<5.0		5.0	mg/L				-		
<b>LCS (4671311)</b>					Prepared & Analyzed: 08/18/22					
Alkalinity, Total as CaCO3	102%		5.0	mg/L	250		102	90-110		
<b>DUP (4671312)</b>			<b>Source: 2081020-04</b>		Prepared & Analyzed: 08/18/22					
Alkalinity, Total as CaCO3	195		5.0	mg/L		196		-	1	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:29

**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-06 Due to non-homogeneity of the QC sample matrix, the MS/MSD or MS/DUP did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS percent recoveries.
- O-07 This sample was received outside of the EPA recommended holding time.
- L Analyte is a possible laboratory contaminant
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- B Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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



Rabecka Koons, Quality Assurance Officer

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**SUBCONTRACT ORDER**  
Maryland Spectral Services

**2081020**

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:

Pace Labs-FL  
8 East Tower Circle  
Ormond Beach, FL 32174  
Phone : (386) 672-5668  
Fax:

**WO# : 35738810**  
  
**35738810**

**Due 4:00 PM 08/19/22** Laboratory ID Comments

Sample ID: 2081020-01 MW-19B Water Sampled: 08/10/22 09:00

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2081020-02 MW-19A Water Sampled: 08/10/22 09:30

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2081020-03 ST015 Water Sampled: 08/10/22 10:00

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Sample ID: 2081020-04 MW-16B Water Sampled: 08/10/22 11:00

Alkalinity

Containers Supplied:

Plastic, 0.5L None (F)

Released By: *[Signature]* Date: 8/11/22  
 Received By: *[Signature]* Date: 8-11-22  
 Released By: *[Signature]* Date: 8-11-22  
 Received By: *[Signature]* Date: 8-11-22



SUBCONTRACT ORDER  
 Maryland Spectral Services  
 2081020

Due	Time	Date	Laboratory ID	Comments
Due	4:00 PM	08/19/22		
Sample ID:	2081020-05	MW-16A		
Water		Sampled:08/10/22 11:45		
<u>Alkalinity</u>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID:	2081020-06	OB03		
Water		Sampled:08/10/22 12:30		
<u>Alkalinity</u>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				
Sample ID:	2081020-07	OB03A		
Water		Sampled:08/10/22 13:15		
<u>Alkalinity</u>				
<i>Containers Supplied:</i> Plastic, 0.5L None (F)				

14:32  
 8/11/22  
 TB/PACE  
 Received By: [Signature] Date: 8-11-22 14:32  
 TB/PACE  
 Received By: [Signature] Date: 8/12/22 10:05  
 1739

26 August 2022

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 08/11/22 13:05.

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,



Rabecka Koons  
Quality Assurance Officer

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

**Reported:**  
 08/26/22 13:37

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8		2081106-01	Nonpotable Water	08/11/22 09:45	08/11/22 13:05
MW-7		2081106-02	Nonpotable Water	08/11/22 10:30	08/11/22 13:05
OB02		2081106-03	Nonpotable Water	08/11/22 11:15	08/11/22 13:05
OB02A		2081106-04	Nonpotable Water	08/11/22 11:45	08/11/22 13:05
TB		2081106-05	Nonpotable Water	08/11/22 00:00	08/11/22 13:05

**Narrative**

On Thursday, August 11, 2022, MSS experienced a significant methylene chloride contamination event. Methylene chloride backflushed into our nitrogen gas lines as liquid nitrogen was being refilled by the vendor. This contamination primarily impacted our GC/MS volatiles analysis where methylene chloride is a target compound. Steps were taken to reduce the contamination over multiple days in an effort to remedy the issue. The client was notified and it was agreed that MSS would continue analysis in order to meet holding times. Samples with impacted methylene chloride are "L" flagged to identify where the positive result is believed to be due to laboratory contamination.



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-8**

**2081106-01 (Nonpotable Water)  
Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>7.21</b>	O-07	pH Units			1	08/11/22	08/11/22 16:45	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>1.81</b>		NTU	0.500	0.110	1	08/12/22	08/12/22 16:33	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:00	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:00	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Benzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:00	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-8**

**2081106-01 (Nonpotable Water)**  
**Sample Date: 08/11/22**

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	08/23/22	08/23/22 13:00	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:00	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:00	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 13:00	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:00	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:00	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:00	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	110 %	08/23/22		08/23/22 13:00		
Surrogate: Toluene-d8			75-120	100 %	08/23/22		08/23/22 13:00		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/23/22		08/23/22 13:00		



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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-8**

**2081106-01 (Nonpotable Water)  
Sample Date: 08/11/22**

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	08/15/22	08/16/22 11:53	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 11:53	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>465000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:25	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Barium</b>	<b>106</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Calcium</b>	<b>79900</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:25	AWH
<b>Chromium</b>	<b>3.72</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Copper</b>	<b>2.62</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Iron</b>	<b>59.6</b>	J	ug/L	100	5.00	1	08/15/22	08/16/22 13:25	AWH
Lead	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Magnesium</b>	<b>64500</b>		ug/L	100	100	1	08/15/22	08/16/22 13:25	AWH
<b>Manganese</b>	<b>4.58</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:25	AWH
<b>Nickel</b>	<b>3.80</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Potassium</b>	<b>11900</b>		ug/L	100	100	1	08/15/22	08/16/22 13:25	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Sodium</b>	<b>79100</b>		ug/L	100	100	1	08/15/22	08/16/22 13:25	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
<b>Vanadium</b>	<b>1.13</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:25	AWH
Zinc	ND		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:25	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-8**

**2081106-01 (Nonpotable Water)  
Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/19/22	08/19/22 15:59	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	9.7		mg/L	3.0	3.0	1	08/19/22	08/19/22 15:43	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1174		uS/cm			1	08/15/22	08/15/22 15:19	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	102		mg/L	0.500	0.500	1	08/11/22	08/11/22 21:04	CRP
Nitrate	25.5		mg/L	0.050	0.050	1	08/11/22	08/11/22 21:04	CRP
Nitrate (as N)	5.77		mg/L	0.011	0.011	1	08/11/22	08/11/22 21:04	CRP
Sulfate	28.9		mg/L	0.3	0.3	1	08/11/22	08/11/22 21:04	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	33.5		mg/L	2.3	2.3	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	654		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	462		mg/L	5.0	5.0	1	08/18/22	08/18/22 15:22	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-7**

**2081106-02 (Nonpotable Water)  
Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.74</b>	O-07	pH Units			1	08/11/22	08/11/22 16:45	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>3.23</b>		NTU	0.500	0.110	1	08/12/22	08/12/22 16:39	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:23	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:23	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Benzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:23	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL



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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-7**

**2081106-02 (Nonpotable Water)  
Sample Date: 08/11/22**

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	08/23/22	08/23/22 13:23	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:23	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:23	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 13:23	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:23	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:23	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
<b>Tetrachloroethene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:23	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %			08/23/22	08/23/22 13:23	
Surrogate: Toluene-d8			75-120	104 %			08/23/22	08/23/22 13:23	
Surrogate: 4-Bromofluorobenzene			75-120	98 %			08/23/22	08/23/22 13:23	

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-7**

**2081106-02 (Nonpotable Water)  
Sample Date: 08/11/22**

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	08/15/22	08/16/22 12:15	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 12:15	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>196000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:27	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Barium</b>	<b>74.8</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Calcium</b>	<b>39600</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:27	AWH
<b>Chromium</b>	<b>7.60</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Cobalt</b>	<b>12.2</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Copper</b>	<b>4.65</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Iron</b>	<b>1560</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:27	AWH
Lead	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Magnesium</b>	<b>23500</b>		ug/L	100	100	1	08/15/22	08/16/22 13:27	AWH
<b>Manganese</b>	<b>2130</b>		ug/L	10.0	10.0	10	08/15/22	08/16/22 14:27	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:27	AWH
<b>Nickel</b>	<b>8.85</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Potassium</b>	<b>3060</b>		ug/L	100	100	1	08/15/22	08/16/22 13:27	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Sodium</b>	<b>44000</b>		ug/L	100	100	1	08/15/22	08/16/22 13:27	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
Vanadium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:27	AWH
<b>Zinc</b>	<b>8.66</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:27	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**MW-7**

**2081106-02 (Nonpotable Water)  
Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.17		mg/L	0.02	0.02	1	08/19/22	08/19/22 16:00	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	31.6		mg/L	3.0	3.0	1	08/19/22	08/19/22 15:44	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	619.2		uS/cm			1	08/15/22	08/15/22 15:19	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	87.0		mg/L	0.500	0.500	1	08/11/22	08/11/22 21:23	CRP
Nitrate	2.39		mg/L	0.050	0.050	1	08/11/22	08/11/22 21:23	CRP
Nitrate (as N)	0.539		mg/L	0.011	0.011	1	08/11/22	08/11/22 21:23	CRP
Sulfate	53.5		mg/L	0.3	0.3	1	08/11/22	08/11/22 21:23	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	5.0		mg/L	2.3	2.3	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	364		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	121		mg/L	5.0	5.0	1	08/18/22	08/18/22 15:31	MCD

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02**

**2081106-03 (Nonpotable Water)**  
**Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.33</b>	O-07	pH Units			1	08/11/22	08/11/22 16:45	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>22.0</b>		NTU	0.500	0.110	1	08/12/22	08/12/22 16:42	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:46	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:46	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Benzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:46	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02**

**2081106-03 (Nonpotable Water)  
Sample Date: 08/11/22**

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	08/23/22	08/23/22 13:46	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:46	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:46	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 13:46	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:46	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 13:46	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 13:46	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	110 %	08/23/22		08/23/22 13:46		
Surrogate: Toluene-d8			75-120	101 %	08/23/22		08/23/22 13:46		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/23/22		08/23/22 13:46		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02**

**2081106-03 (Nonpotable Water)  
Sample Date: 08/11/22**

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	08/15/22	08/16/22 12:35	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 12:35	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>279000</b>		ug/L	500	500	1	08/15/22	08/16/22 13:30	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Arsenic</b>	<b>1.68</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Barium</b>	<b>249</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Calcium</b>	<b>58400</b>		ug/L	80.0	80.0	1	08/15/22	08/16/22 13:30	AWH
<b>Chromium</b>	<b>3.67</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Cobalt</b>	<b>8.39</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Copper</b>	<b>10.9</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Iron</b>	<b>3530</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:30	AWH
<b>Lead</b>	<b>1.53</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Magnesium</b>	<b>32200</b>		ug/L	100	100	1	08/15/22	08/16/22 13:30	AWH
<b>Manganese</b>	<b>1430</b>		ug/L	10.0	10.0	10	08/15/22	08/16/22 14:30	AWH
Mercury	ND		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:30	AWH
<b>Nickel</b>	<b>8.10</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Potassium</b>	<b>6770</b>		ug/L	100	100	1	08/15/22	08/16/22 13:30	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Sodium</b>	<b>24900</b>		ug/L	100	100	1	08/15/22	08/16/22 13:30	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Vanadium</b>	<b>2.94</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:30	AWH
<b>Zinc</b>	<b>8.40</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:30	AWH



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02**

**2081106-03 (Nonpotable Water)  
Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.04		mg/L	0.02	0.02	1	08/19/22	08/19/22 16:00	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	13.7		mg/L	3.0	3.0	1	08/19/22	08/19/22 15:45	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	753.8		uS/cm			1	08/15/22	08/15/22 15:19	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	173		mg/L	0.500	0.500	1	08/11/22	08/11/22 21:41	CRP
Nitrate	ND		mg/L	0.050	0.050	1	08/11/22	08/11/22 21:41	CRP
Nitrate (as N)	ND		mg/L	0.011	0.011	1	08/11/22	08/11/22 21:41	CRP
Sulfate	11.9		mg/L	0.3	0.3	1	08/11/22	08/11/22 21:41	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	45.4		mg/L	4.6	4.6	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	371		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	89.1		mg/L	5.0	5.0	1	08/18/22	08/18/22 15:39	MCD



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02A**

**2081106-04 (Nonpotable Water)**  
**Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C / SM 4500-H+ B-2011 Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.71</b>	O-07	pH Units			1	08/11/22	08/11/22 16:45	CRP
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep (EPA 180.1)</b>									
<b>Turbidity</b>	<b>2.51</b>		NTU	0.500	0.110	1	08/12/22	08/12/22 16:44	AD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 14:09	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 14:09	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Benzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 14:09	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02A**

**2081106-04 (Nonpotable Water)**  
**Sample Date: 08/11/22**

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	08/23/22	08/23/22 14:09	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 14:09	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 14:09	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 14:09	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 14:09	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 14:09	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 14:09	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	110 %	08/23/22		08/23/22 14:09		
Surrogate: Toluene-d8			75-120	106 %	08/23/22		08/23/22 14:09		
Surrogate: 4-Bromofluorobenzene			75-120	102 %	08/23/22		08/23/22 14:09		



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02A**

**2081106-04 (Nonpotable Water)**  
**Sample Date: 08/11/22**

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	08/15/22	08/16/22 12:57	EH
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/15/22	08/16/22 12:57	EH
<b>Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>561000</b>		ug/L	5000	5000	10	08/15/22	08/16/22 14:32	AWH
Antimony	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
Arsenic	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Barium</b>	<b>473</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
Beryllium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
Cadmium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Calcium</b>	<b>104000</b>		ug/L	800	800	10	08/15/22	08/16/22 14:32	AWH
<b>Chromium</b>	<b>1.57</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
Cobalt	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Copper</b>	<b>1.45</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Iron</b>	<b>643</b>		ug/L	100	5.00	1	08/15/22	08/16/22 13:32	AWH
Lead	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Magnesium</b>	<b>73100</b>		ug/L	1000	1000	10	08/15/22	08/16/22 14:32	AWH
<b>Manganese</b>	<b>47.0</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Mercury</b>	<b>0.183</b>		ug/L	0.100	0.100	1	08/15/22	08/16/22 13:32	AWH
<b>Nickel</b>	<b>11.8</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Potassium</b>	<b>6320</b>		ug/L	100	100	1	08/15/22	08/16/22 13:32	AWH
Selenium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
Silver	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Sodium</b>	<b>60300</b>		ug/L	100	100	1	08/15/22	08/16/22 13:32	AWH
Thallium	ND		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Vanadium</b>	<b>2.06</b>		ug/L	1.00	1.00	1	08/15/22	08/16/22 13:32	AWH
<b>Zinc</b>	<b>5.62</b>		ug/L	4.00	4.00	1	08/15/22	08/16/22 13:32	AWH

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**OB02A**

**2081106-04 (Nonpotable Water)  
Sample Date: 08/11/22**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Ammonia (as N) by EPA 350.1 Prepared by Ammonia ULR Prep (EPA 350.1)</b>									
Ammonia as N	0.03		mg/L	0.02	0.02	1	08/19/22	08/19/22 16:00	CRP
<b>Chemical Oxygen Demand by EPA 410.4 Prepared by COD LR Prep (EPA 410.4)</b>									
COD	15.8		mg/L	3.0	3.0	1	08/19/22	08/19/22 15:46	AD
<b>Conductivity by SM2510 Prepared by Conductivity (SM 2510B)</b>									
Conductivity	1504		uS/cm			1	08/15/22	08/15/22 15:19	AD
<b>Anions by EPA 300.0 Prepared by 300.0 Anions Prep</b>									
Chloride	410		mg/L	0.500	0.500	1	08/11/22	08/11/22 22:00	CRP
Nitrate	6.22		mg/L	0.050	0.050	1	08/11/22	08/11/22 22:00	CRP
Nitrate (as N)	1.41		mg/L	0.011	0.011	1	08/11/22	08/11/22 22:00	CRP
Sulfate	24.1		mg/L	0.3	0.3	1	08/11/22	08/11/22 22:00	CRP
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP (SM 2540D)</b>									
Solids, Suspended	27.9		mg/L	2.3	2.3	1	08/15/22	08/16/22 16:19	AD
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep (SM 2540C)</b>									
Solids, Dissolved	802		mg/L	10.0	10.0	1	08/16/22	08/17/22 15:33	CRP
<b>SM 2320B Performed at Pace Analytical Services, LLC - Ormond Beach Lab</b>									
Alkalinity, Total as CaCO3	60.8		mg/L	5.0	5.0	1	08/18/22	08/18/22 15:47	MCD



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**TB**

**2081106-05 (Nonpotable Water)  
Sample Date: 08/11/22**

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	08/23/22	08/23/22 11:51	LL
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:51	LL
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Benzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Bromoform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Bromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:51	LL
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Chloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Chloroform	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Chloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Chloroprene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Dibromomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**TB**

**2081106-05 (Nonpotable Water)  
Sample Date: 08/11/22**

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	08/23/22	08/23/22 11:51	LL
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:51	LL
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
2-Hexanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:51	LL
Isobutanol	ND		ug/L	100	100	1	08/23/22	08/23/22 11:51	LL
Iodomethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:51	LL
Methylene chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/23/22	08/23/22 11:51	LL
Styrene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Toluene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Trichloroethene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
o-Xylene	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/23/22	08/23/22 11:51	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		115 %			08/23/22	08/23/22 11:51	
Surrogate: Toluene-d8		75-120		104 %			08/23/22	08/23/22 11:51	
Surrogate: 4-Bromofluorobenzene		75-120		101 %			08/23/22	08/23/22 11:51	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**pH measurement by EPA 9040C / SM 4500-H+ B-2011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208282 - pH (Paper or Meter)**

Reference (B208282-SRM1)

Prepared & Analyzed: 08/11/22

pH	6.97			pH Units	6.964		100	98.88-101.12		
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208314 - Turbidity Prep (EPA 180.1)**

**Blank (B208314-BLK1)**

Prepared & Analyzed: 08/12/22

Turbidity	ND		0.500	NTU						
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**Duplicate (B208314-DUP1)**

Source: 2081106-01

Prepared & Analyzed: 08/12/22

Turbidity	1.93		0.500	NTU	1.81				6	30
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Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

**Blank (B208489-BLK1)**

Prepared & Analyzed: 08/23/22

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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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

**Blank (B208489-BLK1)**

Prepared & Analyzed: 08/23/22

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						
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	57.09			ug/L	50.00		114	70-130		
Surrogate: Toluene-d8	48.88			ug/L	50.00		98	75-120		
Surrogate: 4-Bromofluorobenzene	49.28			ug/L	50.00		99	75-120		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

**LCS (B208489-BS1)**

Prepared & Analyzed: 08/23/22

Acetone	11.2		5.0	ug/L	10.00		112	50-150		
Acrylonitrile	4.2	J	5.0	ug/L	5.000		84	50-150		
Benzene	4.7		1.0	ug/L	5.000		94	50-150		
Bromochloromethane	5.1		1.0	ug/L	5.000		102	50-150		
Bromodichloromethane	5.0		1.0	ug/L	5.000		99	50-150		
Bromoform	4.2		1.0	ug/L	5.000		85	50-150		
Bromomethane	5.7		1.0	ug/L	5.000		114	50-150		
2-Butanone (MEK)	7.7		5.0	ug/L	10.00		77	50-150		
Carbon disulfide	5.2		1.0	ug/L	5.000		105	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.000		100	50-150		
Chlorobenzene	4.7		1.0	ug/L	5.000		94	50-150		
Chloroethane	5.3		1.0	ug/L	5.000		106	50-150		
Chloroform	5.1		1.0	ug/L	5.000		102	50-150		
Chloromethane	5.9		1.0	ug/L	5.000		118	50-150		
Dibromochloromethane	4.4		1.0	ug/L	5.000		89	50-150		
1,2-Dibromo-3-chloropropane	4.5		1.0	ug/L	5.000		91	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.000		93	50-150		
Dibromomethane	5.1		1.0	ug/L	5.000		102	50-150		
1,2-Dichlorobenzene	4.2		1.0	ug/L	5.000		84	50-150		
1,4-Dichlorobenzene	5.0		1.0	ug/L	5.000		101	50-150		
1,1-Dichloroethane	5.1		1.0	ug/L	5.000		102	50-150		
1,2-Dichloroethane	5.5		1.0	ug/L	5.000		109	50-150		
1,1-Dichloroethene	4.6		1.0	ug/L	5.000		92	50-150		
cis-1,2-Dichloroethene	4.6		1.0	ug/L	5.000		91	50-150		
trans-1,2-Dichloroethene	4.4		1.0	ug/L	5.000		88	50-150		
1,2-Dichloropropane	4.9		1.0	ug/L	5.000		98	50-150		
1,3-Dichloropropane	4.7		1.0	ug/L	5.000		93	50-150		
2,2-Dichloropropane	5.2		1.0	ug/L	5.000		103	50-150		
1,1-Dichloropropene	4.3		1.0	ug/L	5.000		86	50-150		
cis-1,3-Dichloropropene	4.1		1.0	ug/L	5.000		81	50-150		
trans-1,3-Dichloropropene	4.2		1.0	ug/L	5.000		84	50-150		



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

**LCS (B208489-BS1)**

Prepared & Analyzed: 08/23/22

Ethylbenzene	4.5		1.0	ug/L	5.000		90	50-150		
2-Hexanone	9.0		5.0	ug/L	10.00		90	50-150		
Methyl tert-butyl ether (MTBE)	3.9		1.0	ug/L	5.000		78	50-150		
4-Methyl-2-pentanone	9.7		5.0	ug/L	10.00		97	50-150		
Methylene chloride	5.7		1.0	ug/L	5.000		114	0-200		
Methyl methacrylate	3.8	J	5.0	ug/L	5.000		76	50-150		
Styrene	3.7		1.0	ug/L	5.000		73	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.000		94	50-150		
1,1,2,2-Tetrachloroethane	4.9		1.0	ug/L	5.000		97	50-150		
Tetrachloroethene	4.6		1.0	ug/L	5.000		92	50-150		
Toluene	4.7		1.0	ug/L	5.000		94	50-150		
1,1,1-Trichloroethane	5.0		1.0	ug/L	5.000		100	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.000		93	50-150		
Trichloroethene	4.5		1.0	ug/L	5.000		89	50-150		
Trichlorofluoromethane (Freon 11)	5.5		1.0	ug/L	5.000		109	50-150		
1,2,3-Trichloropropane	4.8		1.0	ug/L	5.000		95	50-150		
Vinyl acetate	3.2		1.0	ug/L	5.000		65	50-150		
Vinyl chloride	5.5		1.0	ug/L	5.000		111	50-150		
o-Xylene	3.7		1.0	ug/L	5.000		73	50-150		
m- & p-Xylenes	8.4		1.0	ug/L	10.00		84	50-150		
Surrogate: 1,2-Dichloroethane-d4	55.36			ug/L	50.00		111	70-130		
Surrogate: Toluene-d8	49.78			ug/L	50.00		100	75-120		
Surrogate: 4-Bromofluorobenzene	52.05			ug/L	50.00		104	75-120		

**Duplicate (B208489-DUP1)**

Source: 2081020-06

Prepared & Analyzed: 08/23/22

Acetone	ND		5.0	ug/L		5.4				20
Acrylonitrile	ND		5.0	ug/L		ND				15
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	1.4		1.0	ug/L		1.4			0	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

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

Duplicate (B208489-DUP1)	Source: 2081020-06	Prepared & Analyzed: 08/23/22			
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	2.3	1.0 ug/L	2.4	3	20
Chloroethane	1.6	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	1.3	7	20
1,4-Dichlorobenzene	15.3	1.0 ug/L	16.2	6	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20	
1,1-Dichloroethane	17.2	1.0 ug/L	17.3	0.7	20
1,2-Dichloroethane	2.3	1.0 ug/L	2.4	7	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20	
cis-1,2-Dichloroethene	44.0	1.0 ug/L	45.7	4	20
trans-1,2-Dichloroethene	3.1	1.0 ug/L	3.1	2	20
1,2-Dichloropropane	3.9	1.0 ug/L	4.0	3	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	



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

<b>Duplicate (B208489-DUP1)</b>		<b>Source: 2081020-06</b>			<b>Prepared &amp; Analyzed: 08/23/22</b>					
Iodomethane	ND		1.0	ug/L	ND					20
Methyl tert-butyl ether (MTBE)	1.4		1.0	ug/L	1.5				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	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	1.1		1.0	ug/L	1.2				3	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	8.0		1.0	ug/L	8.1				1	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	59.56			ug/L	50.00		119	70-130		
Surrogate: Toluene-d8	50.37			ug/L	50.00		101	75-120		
Surrogate: 4-Bromofluorobenzene	49.43			ug/L	50.00		99	75-120		

<b>Matrix Spike (B208489-MS1)</b>		<b>Source: 2081106-01</b>			<b>Prepared &amp; Analyzed: 08/23/22</b>					
Acetone	9.8		5.0	ug/L	10.00	3.3	66	60-120		
Acrylonitrile	10.1		5.0	ug/L	10.00	ND	101	0-200		
Benzene	10.3		1.0	ug/L	10.00	ND	103	60-120		
Bromochloromethane	10.8		1.0	ug/L	10.00	ND	108	60-120		
Bromodichloromethane	10.9		1.0	ug/L	10.00	ND	109	60-120		
Bromoform	9.5		1.0	ug/L	10.00	ND	95	60-120		
Bromomethane	10.6		1.0	ug/L	10.00	ND	106	60-120		
2-Butanone (MEK)	9.0		5.0	ug/L	10.00	ND	90	60-120		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

Matrix Spike (B208489-MS1)	Source: 2081106-01			Prepared & Analyzed: 08/23/22						
Carbon disulfide	11.1		1.0	ug/L	10.00	ND	111	60-120		
Carbon tetrachloride	11.3		1.0	ug/L	10.00	ND	113	60-120		
Chlorobenzene	10.7		1.0	ug/L	10.00	ND	107	60-120		
Chloroethane	11.7		1.0	ug/L	10.00	ND	117	60-120		
Chloroform	11.0		1.0	ug/L	10.00	ND	110	60-120		
Chloromethane	12.0		1.0	ug/L	10.00	ND	120	60-120		
Dibromochloromethane	10.3		1.0	ug/L	10.00	ND	103	60-120		
1,2-Dibromo-3-chloropropane	8.6		1.0	ug/L	10.00	ND	86	60-120		
1,2-Dibromoethane (EDB)	9.8		1.0	ug/L	10.00	ND	98	60-120		
Dibromomethane	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,2-Dichlorobenzene	9.4		1.0	ug/L	10.00	ND	94	60-120		
1,4-Dichlorobenzene	10.2		1.0	ug/L	10.00	ND	102	60-120		
1,1-Dichloroethane	11.4		1.0	ug/L	10.00	ND	114	60-120		
1,2-Dichloroethane	12.0		1.0	ug/L	10.00	ND	120	60-120		
1,1-Dichloroethene	9.5		1.0	ug/L	10.00	ND	95	60-120		
cis-1,2-Dichloroethene	9.6		1.0	ug/L	10.00	ND	96	60-120		
trans-1,2-Dichloroethene	9.6		1.0	ug/L	10.00	ND	96	60-120		
1,2-Dichloropropane	10.5		1.0	ug/L	10.00	ND	105	60-120		
1,3-Dichloropropane	10.2		1.0	ug/L	10.00	ND	102	60-120		
2,2-Dichloropropane	11.5		1.0	ug/L	10.00	ND	115	60-120		
1,1-Dichloropropene	9.8		1.0	ug/L	10.00	ND	98	60-120		
cis-1,3-Dichloropropene	9.2		1.0	ug/L	10.00	ND	92	60-120		
trans-1,3-Dichloropropene	9.8		1.0	ug/L	10.00	ND	98	60-120		
Ethylbenzene	10.5		1.0	ug/L	10.00	ND	105	60-120		
2-Hexanone	8.3		5.0	ug/L	10.00	ND	83	60-120		
Methyl tert-butyl ether (MTBE)	8.5		1.0	ug/L	10.00	ND	85	60-120		
4-Methyl-2-pentanone	8.8		5.0	ug/L	10.00	ND	88	60-120		
Methylene chloride	10.5		1.0	ug/L	10.00	ND	105	60-120		
Methyl methacrylate	8.2		5.0	ug/L	10.00	ND	82	60-120		
Styrene	9.2		1.0	ug/L	10.00	ND	92	60-120		
1,1,1,2-Tetrachloroethane	10.6		1.0	ug/L	10.00	ND	106	60-120		

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208489 - GCMS-WATER-VOLATILES**

Matrix Spike (B208489-MS1)	Source: 2081106-01	Prepared & Analyzed: 08/23/22
1,1,2,2-Tetrachloroethane	10.6	1.0 ug/L 10.00 ND 106 60-120
Tetrachloroethene	10.4	1.0 ug/L 10.00 ND 104 60-120
Toluene	10.5	1.0 ug/L 10.00 ND 105 60-120
1,1,1-Trichloroethane	11.2	1.0 ug/L 10.00 ND 112 60-120
1,1,2-Trichloroethane	10.3	1.0 ug/L 10.00 ND 103 60-120
Trichloroethene	10.4	1.0 ug/L 10.00 ND 104 60-120
Trichlorofluoromethane (Freon 11)	12.0	1.0 ug/L 10.00 ND 120 60-120
1,2,3-Trichloropropane	10.3	1.0 ug/L 10.00 ND 103 60-120
Vinyl acetate	10.4	1.0 ug/L 10.00 ND 104 60-120
Vinyl chloride	11.6	1.0 ug/L 10.00 ND 116 60-120
o-Xylene	8.9	1.0 ug/L 10.00 ND 89 60-120
m- & p-Xylenes	20.7	1.0 ug/L 20.00 ND 103 60-120
Surrogate: 1,2-Dichloroethane-d4	55.17	ug/L 50.00 110 70-130
Surrogate: Toluene-d8	50.81	ug/L 50.00 102 75-120
Surrogate: 4-Bromofluorobenzene	52.78	ug/L 50.00 106 75-120



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208337 - 504.1 EDB/DBCP</b>										
<b>Blank (B208337-BLK1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>Blank (B208337-BLK2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
<b>LCS (B208337-BS1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.1000		85	70-130		
1,2-Dibromoethane (EDB)	0.099		0.020	ug/L	0.1000		99	70-130		
<b>LCS (B208337-BS2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	0.090		0.050	ug/L	0.1000		90	70-130		
1,2-Dibromoethane (EDB)	0.109		0.020	ug/L	0.1000		109	70-130		
<b>Matrix Spike (B208337-MS1)</b>			<b>Source: 2080417-01</b>			Prepared & Analyzed: 08/15/22				
1,2-Dibromo-3-chloropropane	0.201		0.047	ug/L	0.1872	ND	107	70-130		
1,2-Dibromoethane (EDB)	0.163		0.019	ug/L	0.1872	ND	87	70-130		
<b>Matrix Spike (B208337-MS2)</b>			<b>Source: 2080812-03</b>			Prepared: 08/15/22 Analyzed: 08/16/22				
1,2-Dibromo-3-chloropropane	0.164		0.047	ug/L	0.1882	ND	87	70-130		
1,2-Dibromoethane (EDB)	0.196		0.019	ug/L	0.1882	ND	104	70-130		
<b>Reference (B208337-SRM1)</b>					Prepared & Analyzed: 08/15/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.02000		119	0-200		
<b>Reference (B208337-SRM2)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.02000			0-200		
1,2-Dibromoethane (EDB)	0.026		0.020	ug/L	0.02000		132	0-200		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208344 - 3010A-Metals Digestion**

**Blank (B208344-BLK1)**

Prepared: 08/15/22 Analyzed: 08/16/22

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						

**Blank (B208344-BLK2)**

Prepared: 08/15/22 Analyzed: 08/16/22

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						



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208344 - 3010A-Metals Digestion**

**Blank (B208344-BLK2)**

Prepared: 08/15/22 Analyzed: 08/16/22

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 (B208344-BS1)**

Prepared: 08/15/22 Analyzed: 08/16/22

Antimony	48.7		1.00	ug/L	50.00		97	80-120		
Arsenic	49.7		1.00	ug/L	50.00		99	80-120		
Barium	50.2		1.00	ug/L	50.00		100	80-120		
Beryllium	46.7		1.00	ug/L	50.00		93	80-120		
Cadmium	50.3		1.00	ug/L	50.00		101	80-120		
Calcium	5070		80.0	ug/L	5000		101	80-120		
Chromium	51.5		1.00	ug/L	50.00		103	80-120		
Cobalt	51.1		1.00	ug/L	50.00		102	80-120		
Copper	52.8		1.00	ug/L	50.00		106	80-120		
Iron	5230		100	ug/L	5000		105	80-120		
Lead	48.9		1.00	ug/L	50.00		98	80-120		
Magnesium	5420		100	ug/L	5000		108	80-120		
Manganese	50.7		1.00	ug/L	50.00		101	80-120		
Mercury	2.39		0.100	ug/L	2.500		96	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208344 - 3010A-Metals Digestion**

**LCS (B208344-BS1)**

Prepared: 08/15/22 Analyzed: 08/16/22

Nickel	50.8		1.00	ug/L	50.00		102	80-120		
Potassium	5080		100	ug/L	5000		102	80-120		
Selenium	50.3		1.00	ug/L	50.00		101	80-120		
Silver	51.6		1.00	ug/L	50.00		103	80-120		
Sodium	5390		100	ug/L	5000		108	80-120		
Thallium	49.7		1.00	ug/L	50.00		99	80-120		
Vanadium	50.2		1.00	ug/L	50.00		100	80-120		
Zinc	103		4.00	ug/L	100.0		103	80-120		

**LCS (B208344-BS2)**

Prepared: 08/15/22 Analyzed: 08/16/22

Antimony	48.6		1.00	ug/L	50.00		97	80-120		
Arsenic	48.7		1.00	ug/L	50.00		97	80-120		
Barium	49.6		1.00	ug/L	50.00		99	80-120		
Beryllium	48.1		1.00	ug/L	50.00		96	80-120		
Cadmium	50.2		1.00	ug/L	50.00		100	80-120		
Calcium	4910		80.0	ug/L	5000		98	80-120		
Chromium	50.5		1.00	ug/L	50.00		101	80-120		
Cobalt	49.9		1.00	ug/L	50.00		100	80-120		
Copper	51.5		1.00	ug/L	50.00		103	80-120		
Iron	5160		100	ug/L	5000		103	80-120		
Lead	48.0		1.00	ug/L	50.00		96	80-120		
Magnesium	5350		100	ug/L	5000		107	80-120		
Manganese	50.3		1.00	ug/L	50.00		101	80-120		
Mercury	2.42		0.100	ug/L	2.500		97	80-120		
Nickel	50.1		1.00	ug/L	50.00		100	80-120		
Potassium	5020		100	ug/L	5000		100	80-120		
Selenium	47.3		1.00	ug/L	50.00		95	80-120		
Silver	51.2		1.00	ug/L	50.00		102	80-120		
Sodium	5350		100	ug/L	5000		107	80-120		
Thallium	49.0		1.00	ug/L	50.00		98	80-120		
Vanadium	49.8		1.00	ug/L	50.00		100	80-120		
Zinc	101		4.00	ug/L	100.0		101	80-120		

*Rabecka Koons*

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Rabecka Koons, Quality Assurance Officer



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208344 - 3010A-Metals Digestion**

<b>Duplicate (B208344-DUP1)</b>		<b>Source: 2081011-01</b>			<b>Prepared: 08/15/22 Analyzed: 08/16/22</b>		
Hardness as CaCO3	93000		500	ug/L	91600	1	200
Antimony	ND		1.00	ug/L	ND		20
Arsenic	ND		1.00	ug/L	ND		20
Barium	56.2		1.00	ug/L	55.6	1	20
Beryllium	ND		1.00	ug/L	ND		20
Cadmium	ND		1.00	ug/L	ND		20
Calcium	27200		80.0	ug/L	26600	2	20
Chromium	ND		1.00	ug/L	ND		20
Cobalt	ND		1.00	ug/L	ND		20
Copper	ND		1.00	ug/L	ND		20
Iron	265		100	ug/L	278	5	20
Lead	ND		1.00	ug/L	ND		20
Magnesium	6110		100	ug/L	6100	0.2	20
Manganese	68.9		1.00	ug/L	68.5	0.6	20
Mercury	ND		0.100	ug/L	ND		20
Nickel	1.09		1.00	ug/L	1.07	2	20
Potassium	2210		100	ug/L	2180	1	20
Selenium	ND		1.00	ug/L	ND		20
Silver	ND		1.00	ug/L	ND		20
Sodium	10400		100	ug/L	10300	0.5	20
Thallium	ND		1.00	ug/L	ND		20
Vanadium	ND		1.00	ug/L	ND		20
Zinc	ND		4.00	ug/L	ND		20

<b>Duplicate (B208344-DUP2)</b>		<b>Source: 2081020-01</b>			<b>Prepared: 08/15/22 Analyzed: 08/16/22</b>		
Hardness as CaCO3	303000		500	ug/L	301000	0.5	200
Antimony	ND		1.00	ug/L	ND		20
Arsenic	ND		1.00	ug/L	ND		20
Barium	41.6		1.00	ug/L	41.8	0.5	20
Beryllium	ND		1.00	ug/L	ND		20
Cadmium	ND		1.00	ug/L	ND		20
Calcium	76500		80.0	ug/L	74800	2	20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208344 - 3010A-Metals Digestion**

<b>Duplicate (B208344-DUP2)</b>		<b>Source: 2081020-01</b>			Prepared: 08/15/22		Analyzed: 08/16/22	
Chromium	2.63		1.00	ug/L	2.66		1	20
Cobalt	ND		1.00	ug/L	ND			20
Copper	16.3		1.00	ug/L	16.3		0.2	20
Iron	540		100	ug/L	547		1	20
Lead	1.78		1.00	ug/L	1.77		0.3	20
Magnesium	27100		100	ug/L	27800		2	20
Manganese	72.6		1.00	ug/L	72.5		0.02	20
Mercury	ND		0.100	ug/L	ND			20
Nickel	12.6		1.00	ug/L	12.6		0.3	20
Potassium	5740		100	ug/L	5680		1	20
Selenium	ND		1.00	ug/L	ND			20
Silver	ND		1.00	ug/L	ND			20
Sodium	25000		100	ug/L	25600		2	20
Thallium	ND		1.00	ug/L	ND			20
Vanadium	ND		1.00	ug/L	ND			20
Zinc	61.3		4.00	ug/L	61.6		0.5	20

<b>Matrix Spike (B208344-MS1)</b>		<b>Source: 2081011-01</b>			Prepared: 08/15/22		Analyzed: 08/16/22	
Antimony	48.8		1.00	ug/L	50.00	ND	98	75-125
Arsenic	49.4		1.00	ug/L	50.00	ND	99	75-125
Barium	105		1.00	ug/L	50.00	55.6	99	75-125
Beryllium	50.1		1.00	ug/L	50.00	ND	100	75-125
Cadmium	49.9		1.00	ug/L	50.00	ND	100	75-125
Calcium	31600		80.0	ug/L	5000	26600	99	75-125
Chromium	51.4		1.00	ug/L	50.00	ND	103	75-125
Cobalt	50.5		1.00	ug/L	50.00	ND	101	75-125
Copper	51.7		1.00	ug/L	50.00	ND	103	75-125
Iron	5390		100	ug/L	5000	278	102	75-125
Lead	49.6		1.00	ug/L	50.00	ND	99	75-125
Magnesium	11200		100	ug/L	5000	6100	101	75-125
Manganese	119		1.00	ug/L	50.00	68.5	101	75-125
Mercury	2.54		0.100	ug/L	2.500	ND	102	75-125

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208344 - 3010A-Metals Digestion**

Matrix Spike (B208344-MS1)	Source: 2081011-01		Prepared: 08/15/22		Analyzed: 08/16/22		
Nickel	51.4	1.00	ug/L	50.00	1.07	101	75-125
Potassium	7470	100	ug/L	5000	2180	106	75-125
Selenium	48.5	1.00	ug/L	50.00	ND	97	75-125
Silver	50.5	1.00	ug/L	50.00	ND	101	75-125
Sodium	15400	100	ug/L	5000	10300	101	75-125
Thallium	50.4	1.00	ug/L	50.00	ND	101	75-125
Vanadium	50.4	1.00	ug/L	50.00	ND	101	75-125
Zinc	99.5	4.00	ug/L	100.0	ND	99	75-125

Matrix Spike (B208344-MS2)	Source: 2081020-01		Prepared: 08/15/22		Analyzed: 08/16/22			
Antimony	49.6	1.00	ug/L	50.00	ND	99	75-125	
Arsenic	49.3	1.00	ug/L	50.00	ND	99	75-125	
Barium	91.2	1.00	ug/L	50.00	41.8	99	75-125	
Beryllium	49.9	1.00	ug/L	50.00	ND	100	75-125	
Cadmium	50.1	1.00	ug/L	50.00	ND	100	75-125	
Calcium	81500	QM-4X	80.0	ug/L	5000	74800	134	75-125
Chromium	53.0	1.00	ug/L	50.00	2.66	101	75-125	
Cobalt	50.5	1.00	ug/L	50.00	ND	101	75-125	
Copper	66.6	1.00	ug/L	50.00	16.3	101	75-125	
Iron	5690	100	ug/L	5000	547	103	75-125	
Lead	51.2	1.00	ug/L	50.00	1.77	99	75-125	
Magnesium	32600	100	ug/L	5000	27800	95	75-125	
Manganese	123	1.00	ug/L	50.00	72.5	101	75-125	
Mercury	2.58	0.100	ug/L	2.500	ND	103	75-125	
Nickel	63.4	1.00	ug/L	50.00	12.6	102	75-125	
Potassium	10900	100	ug/L	5000	5680	104	75-125	
Selenium	47.5	1.00	ug/L	50.00	ND	95	75-125	
Silver	50.4	1.00	ug/L	50.00	ND	101	75-125	
Sodium	30300	100	ug/L	5000	25600	94	75-125	
Thallium	50.5	1.00	ug/L	50.00	ND	101	75-125	
Vanadium	50.5	1.00	ug/L	50.00	ND	101	75-125	
Zinc	160	4.00	ug/L	100.0	61.6	98	75-125	

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**Ammonia (as N) by EPA 350.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208440 - Ammonia ULR Prep (EPA 350.1)</b>										
<b>Blank (B208440-BLK1)</b>					Prepared & Analyzed: 08/19/22					
Ammonia as N	ND		0.02	mg/L						
<b>LCS (B208440-BS1)</b>					Prepared & Analyzed: 08/19/22					
Ammonia as N	0.52		0.02	mg/L	0.5000		105	80-120		
<b>Duplicate (B208440-DUP1)</b>					Source: 2081020-01 Prepared & Analyzed: 08/19/22					
Ammonia as N	0.02		0.02	mg/L		0.02			5	200
<b>Matrix Spike (B208440-MS1)</b>					Source: 2081020-01 Prepared & Analyzed: 08/19/22					
Ammonia as N	0.51		0.02	mg/L	0.5000	0.02	98	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208437 - COD LR Prep (EPA 410.4)</b>										
<b>Blank (B208437-BLK1)</b>					Prepared & Analyzed: 08/19/22					
COD	ND		3.0	mg/L						
<b>LCS (B208437-BS1)</b>					Prepared & Analyzed: 08/19/22					
COD	54.2		3.0	mg/L	50.00		108	90-110		
<b>Duplicate (B208437-DUP1)</b>					Source: 2081106-01		Prepared & Analyzed: 08/19/22			
COD	15.9	QM-08	3.0	mg/L		9.7			48	20
<b>Matrix Spike (B208437-MS1)</b>					Source: 2081106-01		Prepared & Analyzed: 08/19/22			
COD	67.2	QM-07	3.0	mg/L	50.00	9.7	115	90-110		



Rabecka Koons, Quality Assurance Officer

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 Baltimore MD 21227  
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 www.mdspectral.com  
 MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

**Reported:**  
 08/26/22 13:37

**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 B208349 - Conductivity (SM 2510B)**

Duplicate (B208349-DUP1)	Source: 2081106-01	Prepared & Analyzed: 08/15/22
Conductivity	1164	uS/cm 1174
		0.9 20



Rabecka Koons, Quality Assurance Officer

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**Anions by EPA 300.0 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B208274 - 300.0 Anions Prep**

**Blank (B208274-BLK1)**

Prepared & Analyzed: 08/11/22

Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						
Nitrate (as N)	ND		0.011	mg/L						
Sulfate	ND		0.3	mg/L						

**LCS (B208274-BS1)**

Prepared & Analyzed: 08/11/22

Chloride	3.88		0.500	mg/L	4.000		97	90-110		
Nitrate	3.61		0.050	mg/L	4.000		90	90-110		
Nitrate (as N)	0.816		0.011	mg/L				90-110		
Sulfate	3.9		0.3	mg/L	4.000		98	90-110		

**Duplicate (B208274-DUP1)**

Source: 2081020-01

Prepared & Analyzed: 08/11/22

Chloride	161		0.500	mg/L		162			0.5	20
Nitrate	7.30		0.050	mg/L		7.33			0.5	200
Nitrate (as N)	1.65		0.011	mg/L		1.66			0.5	200
Sulfate	8.8		0.3	mg/L		8.8			0.4	20

**Matrix Spike (B208274-MS1)**

Source: 2081020-01

Prepared & Analyzed: 08/11/22

Chloride	157	QM-4X	0.500	mg/L	4.000	162	NR	80-120		
Nitrate	10.8		0.050	mg/L	4.000	7.33	86	80-120		
Nitrate (as N)	2.44		0.011	mg/L		1.66		80-120		
Sulfate	12.3		0.3	mg/L	4.000	8.8	89	80-120		

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

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.



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**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 B208345 - TSS PREP (SM 2540D)</b>										
<b>Blank (B208345-BLK1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B208345-BS1)</b>					Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	61.0		2.5	mg/L	56.90		107	70-130		
<b>Duplicate (B208345-DUP1)</b>			<b>Source: 2081020-01</b>		Prepared: 08/15/22 Analyzed: 08/16/22					
Solids, Suspended	23.7		4.2	mg/L		21.0			12	20

*Rabecka Koons*

Rabecka Koons, Quality Assurance Officer

*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.*

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B208361 - TDS Prep (SM 2540C)</b>										
<b>Blank (B208361-BLK1)</b>					Prepared: 08/16/22 Analyzed: 08/17/22					
Solids, Dissolved	ND		10.0	mg/L						
<b>LCS (B208361-BS1)</b>					Prepared: 08/16/22 Analyzed: 08/17/22					
Solids, Dissolved	743		10.0	mg/L	804.5		92	90-110		
<b>Duplicate (B208361-DUP1)</b>			<b>Source: 2081020-01</b>		Prepared: 08/16/22 Analyzed: 08/17/22					
Solids, Dissolved	478		10.0	mg/L		472			1	20



Rabecka Koons, Quality Assurance Officer

*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.*

**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

Reported:  
 08/26/22 13:37

**SM 2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch 849144 - SM 2320B**

**BLANK (4671310)**

Prepared & Analyzed: 08/18/22

Alkalinity, Total as CaCO3	<5.0	U	5.0	mg/L				-		
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**LCS (4671311)**

Prepared & Analyzed: 08/18/22

Alkalinity, Total as CaCO3	102%		5.0	mg/L	250		102	90-110		
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Rabecka Koons, Quality Assurance Officer

*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.*

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Reported:  
08/26/22 13:37

**Notes and Definitions**

- U Indicates the compound was analyzed for, but not detected.
- 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-08 The RPD exceeded QC acceptance limits. Sample results for this QC batch were accepted based on LCS recovery.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- O-07 This sample was received outside of the EPA recommended holding time.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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



Rabecka Koons, Quality Assurance Officer

*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.*



**SUBCONTRACT ORDER**  
 Maryland Spectral Services  
 2081106

**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)

**RECEIVING LABORATORY:**

Pace Labs-FL  
 8 East Tower Circle  
 Ormond Beach, FL 32174  
 Phone :(386) 672-5668  
 Fax:

**WO#: 35738811**



**35738811**

**Due 4:00 PM 08/22/22**

Laboratory ID      Comments

**Sample ID: 2081106-01      MW-8      Water      Sampled:08/11/22 09:45**

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

**Sample ID: 2081106-02      MW-7      Water      Sampled:08/11/22 10:30**

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

**Sample ID: 2081106-03      OB02      Water      Sampled:08/11/22 11:15**

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

**Sample ID: 2081106-04      OB02.A      Water      Sampled:08/11/22 11:45**

Alkalinity

Containers Supplied:  
 Plastic, 0.5L None (F)

Released By: *[Signature]* Date: 8/11/22 14:32  
 Received By: *[Signature]* Date: 8-11-22 14:33  
 Released By: *[Signature]* Date: 8-11-22  
 Received By: *[Signature]* Date: 8/11/22 1005

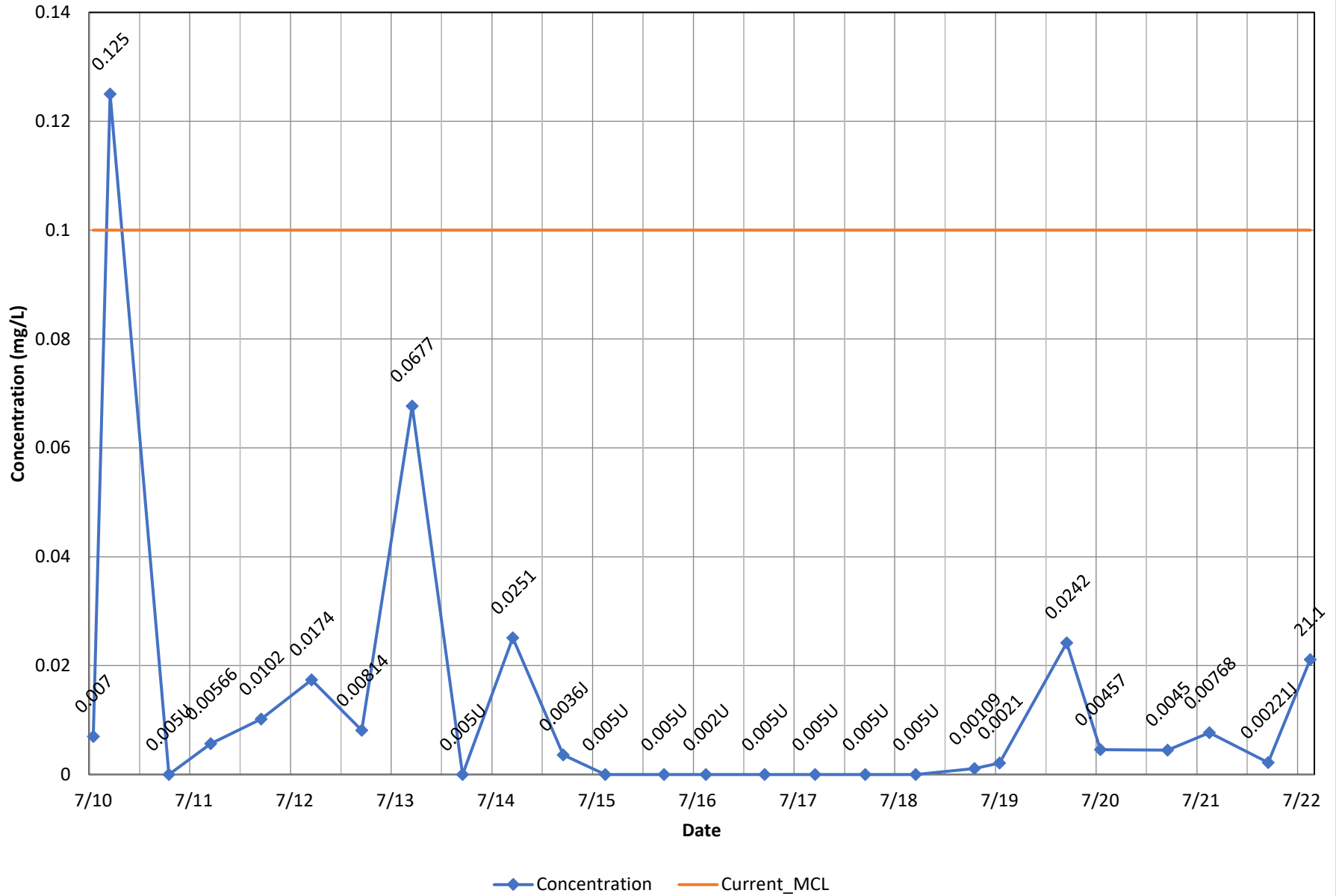
**Appendix D**

**Maximum Contaminant Level  
Exceedance Graphs**

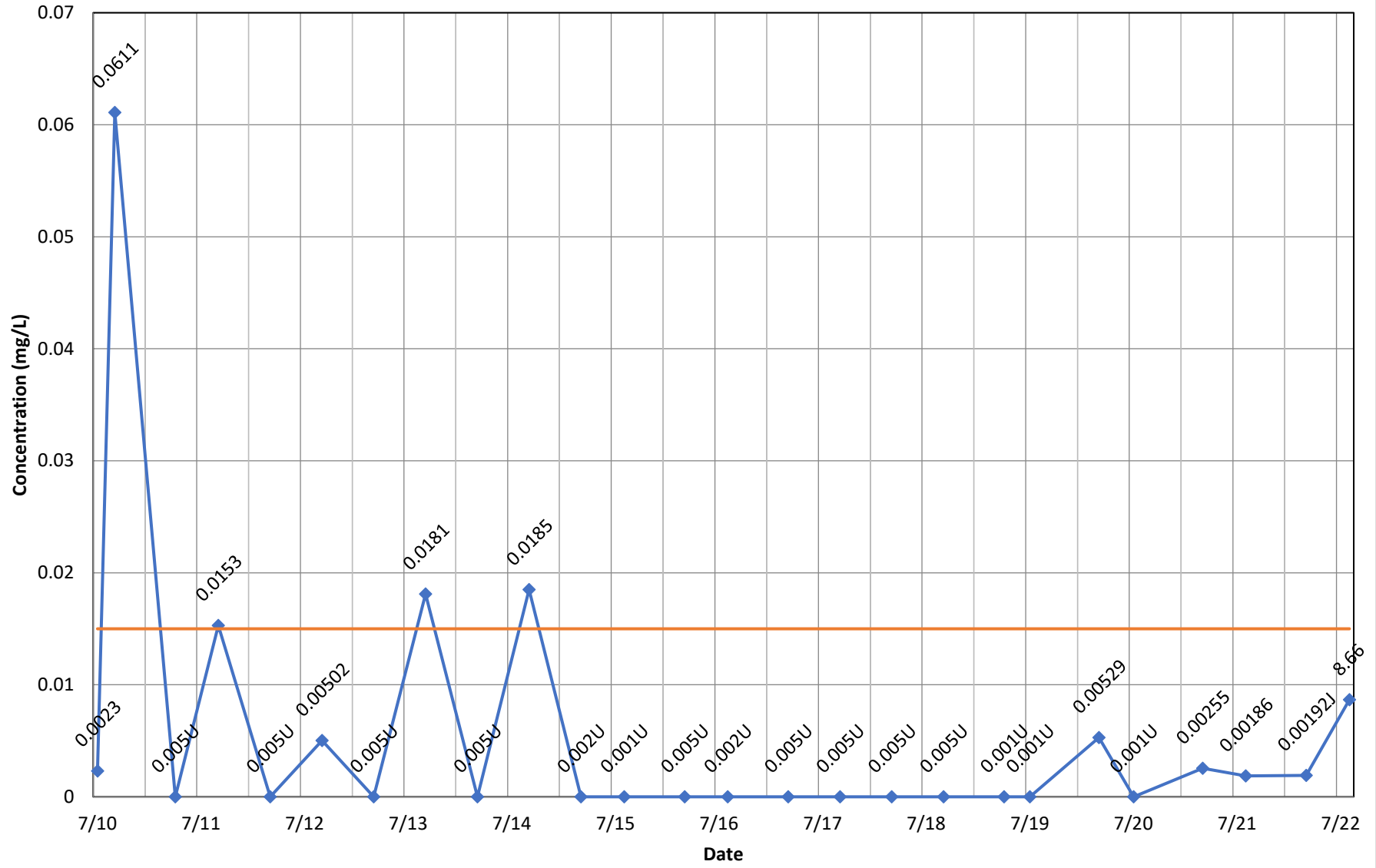


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# Monitoring Well MW-10 - Chromium, total

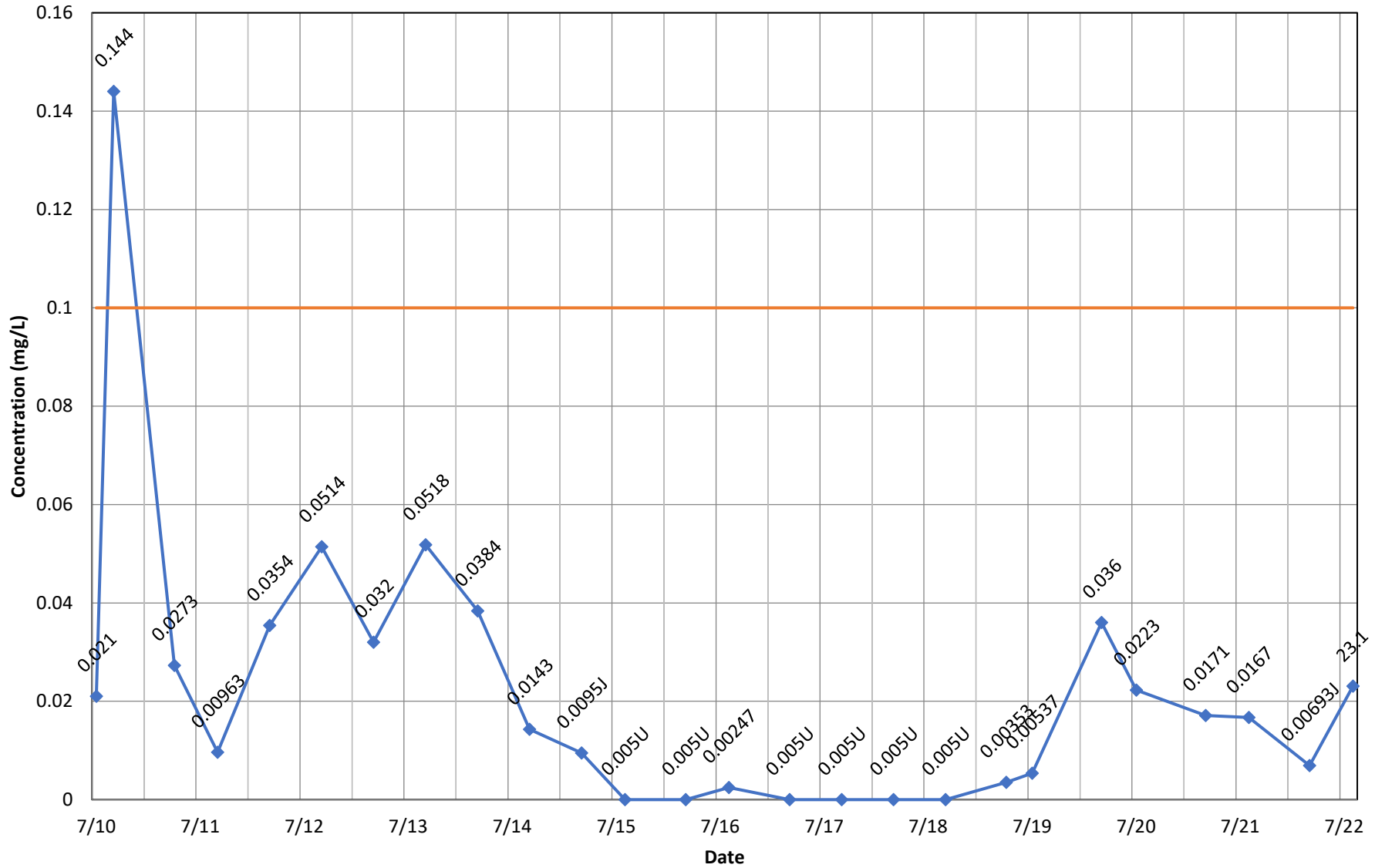


# Monitoring Well MW-10 - Lead, total



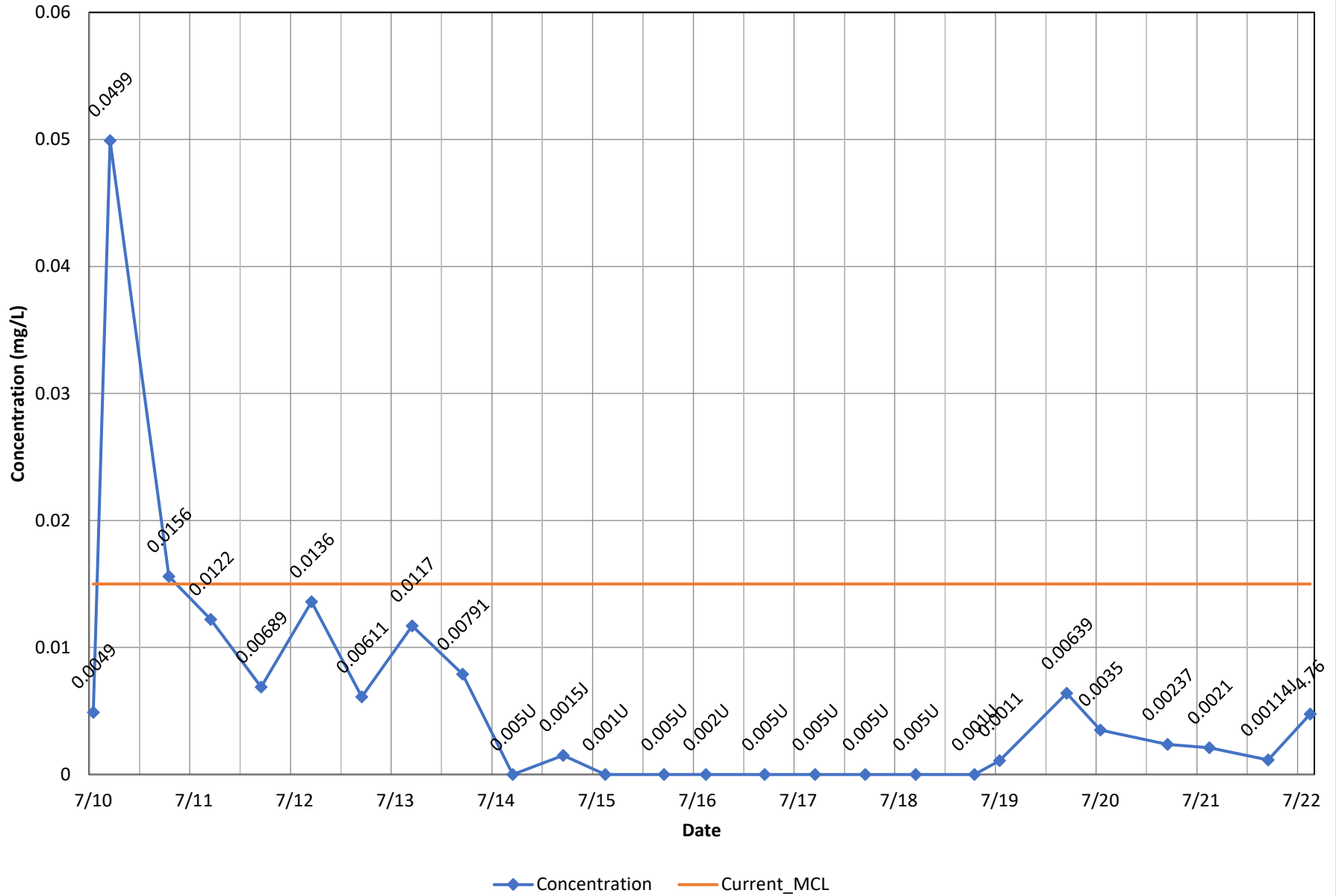
◆ Concentration    — Current\_MCL

# Monitoring Well MW-11A - Chromium, total

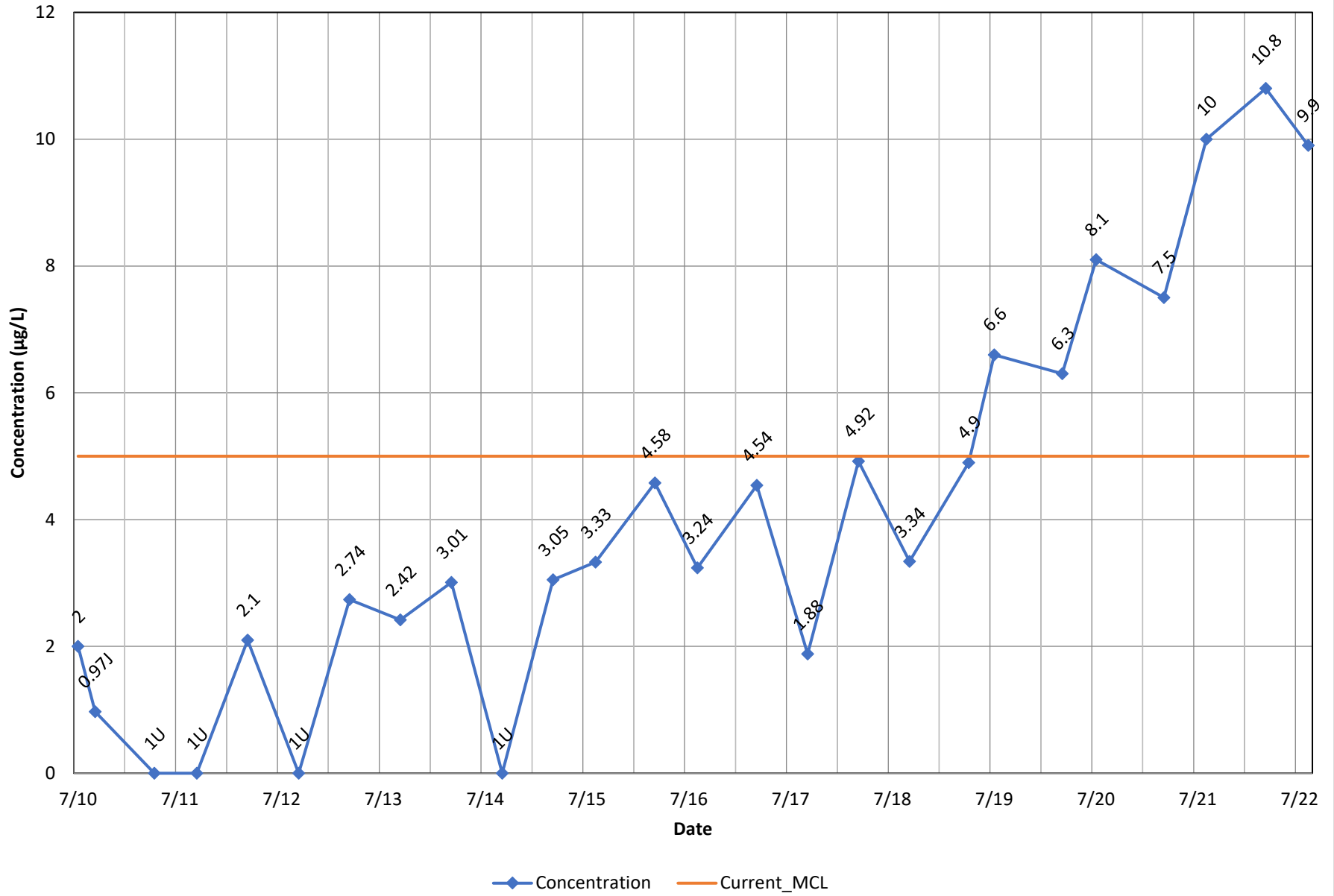


◆ Concentration    — Current\_MCL

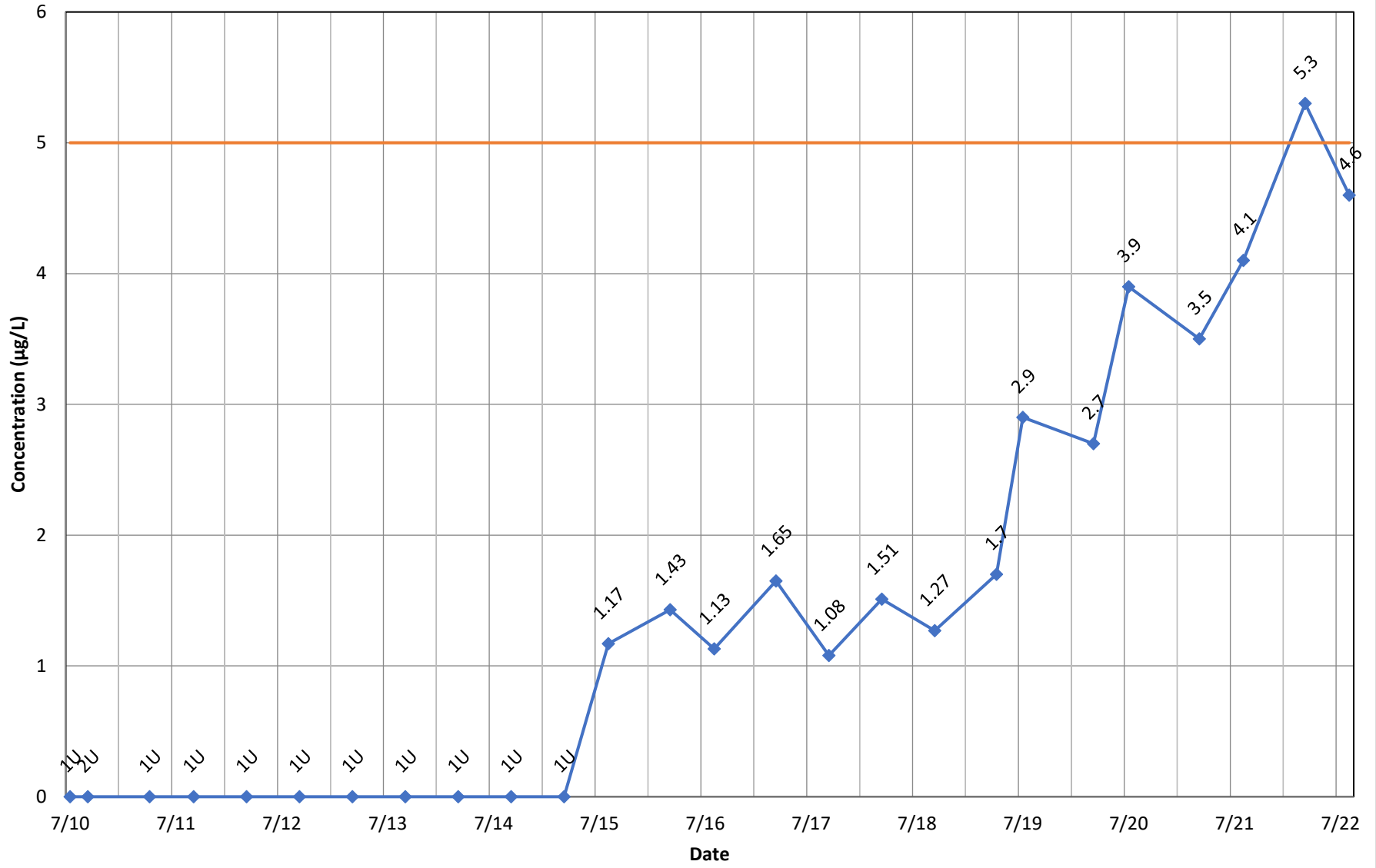
# Monitoring Well MW-11A - Lead, total



# Monitoring Well MW-11B - Tetrachloroethene



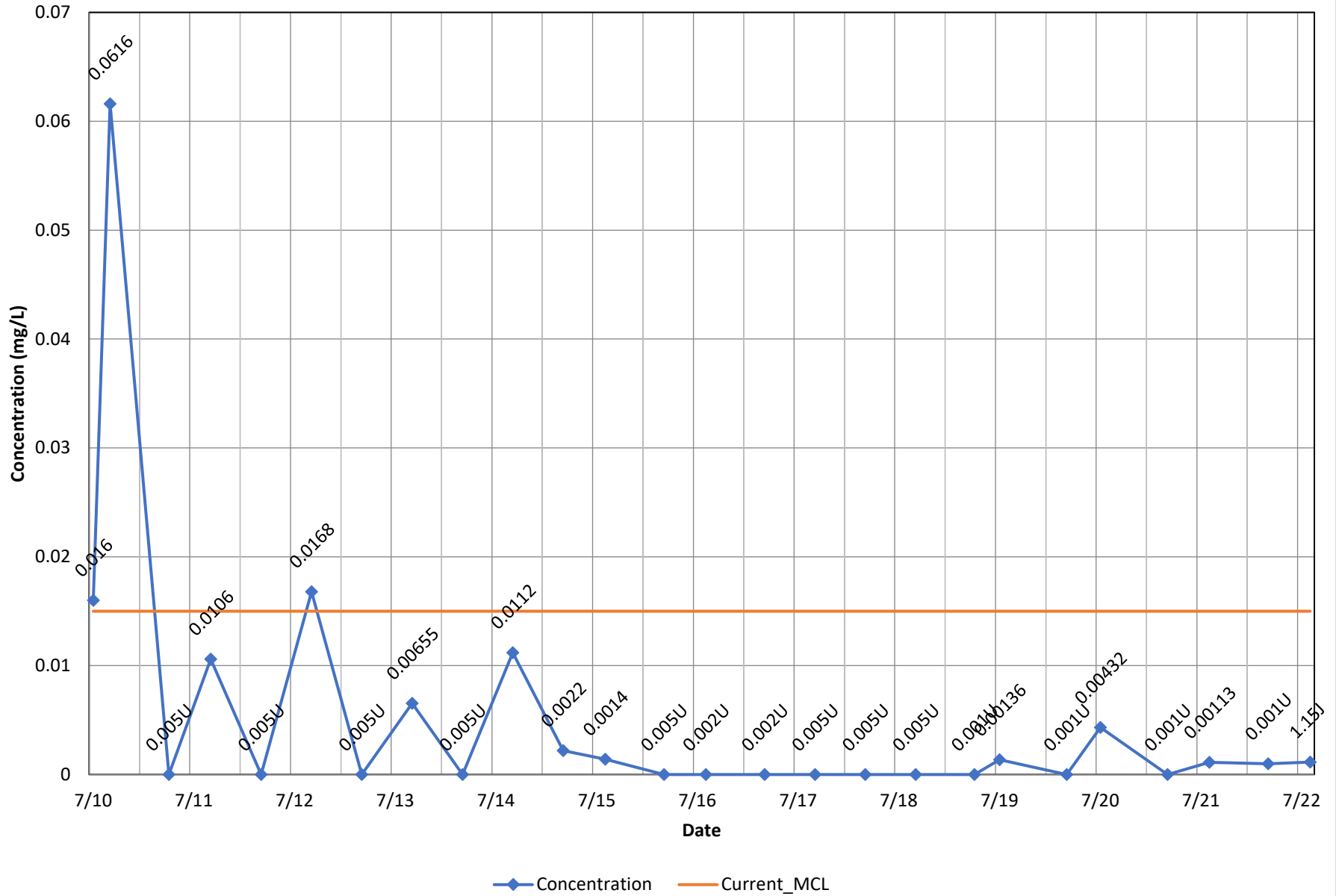
# Monitoring Well MW-11B - Trichloroethene



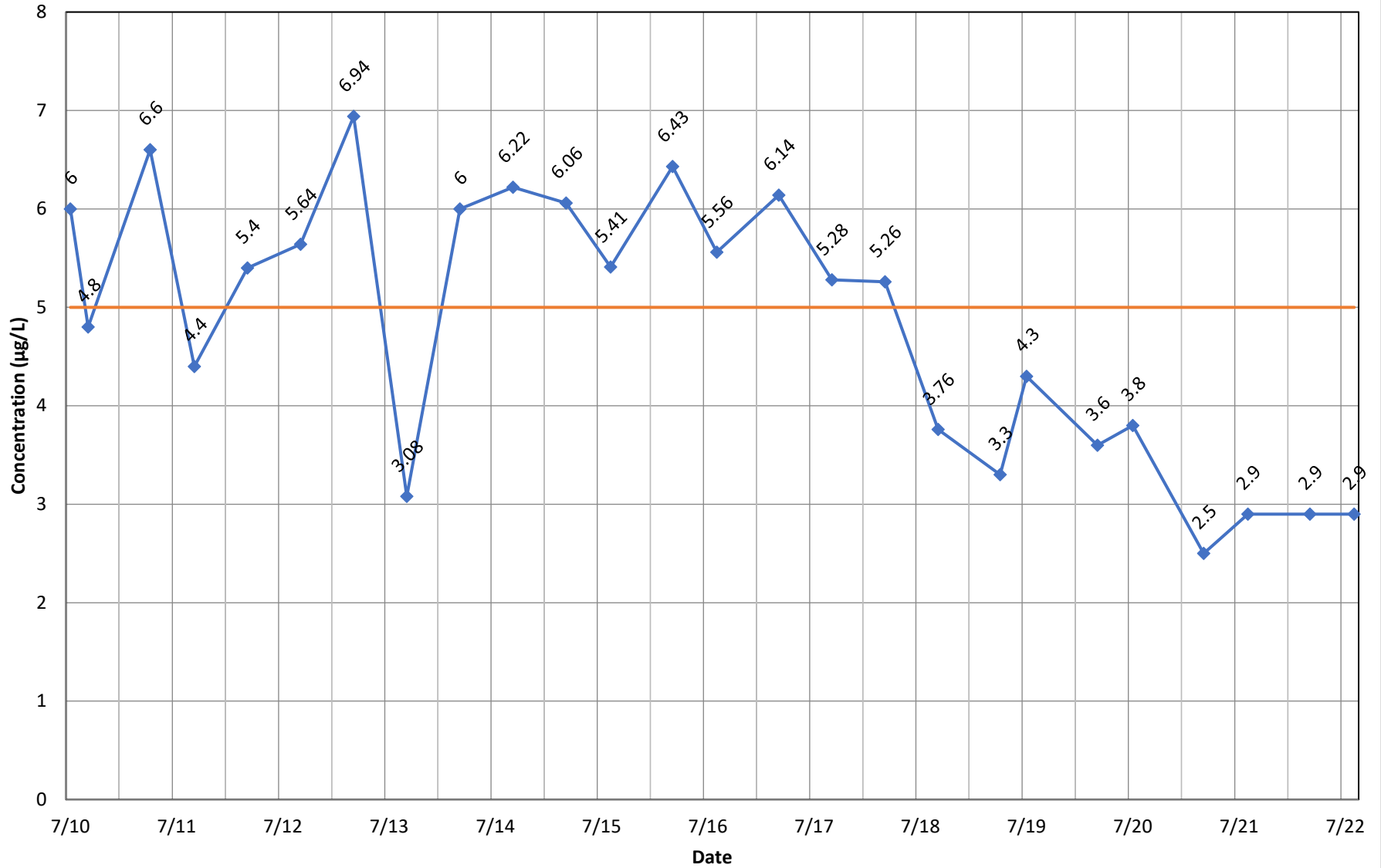
◆ Concentration    — Current\_MCL



# Monitoring Well MW-12 - Lead, total

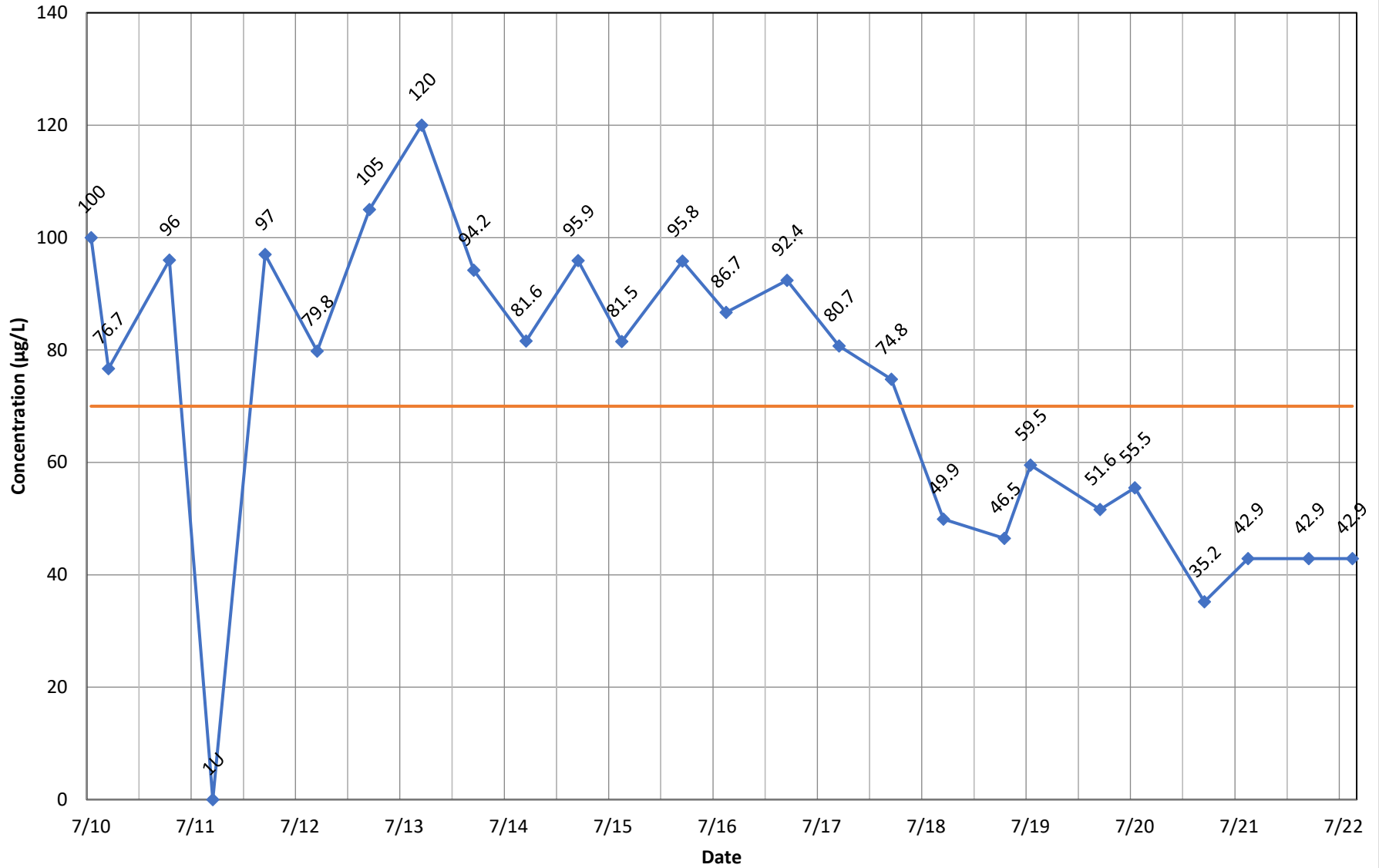


# Monitoring Well MW-13A - 1,2-Dichloropropane



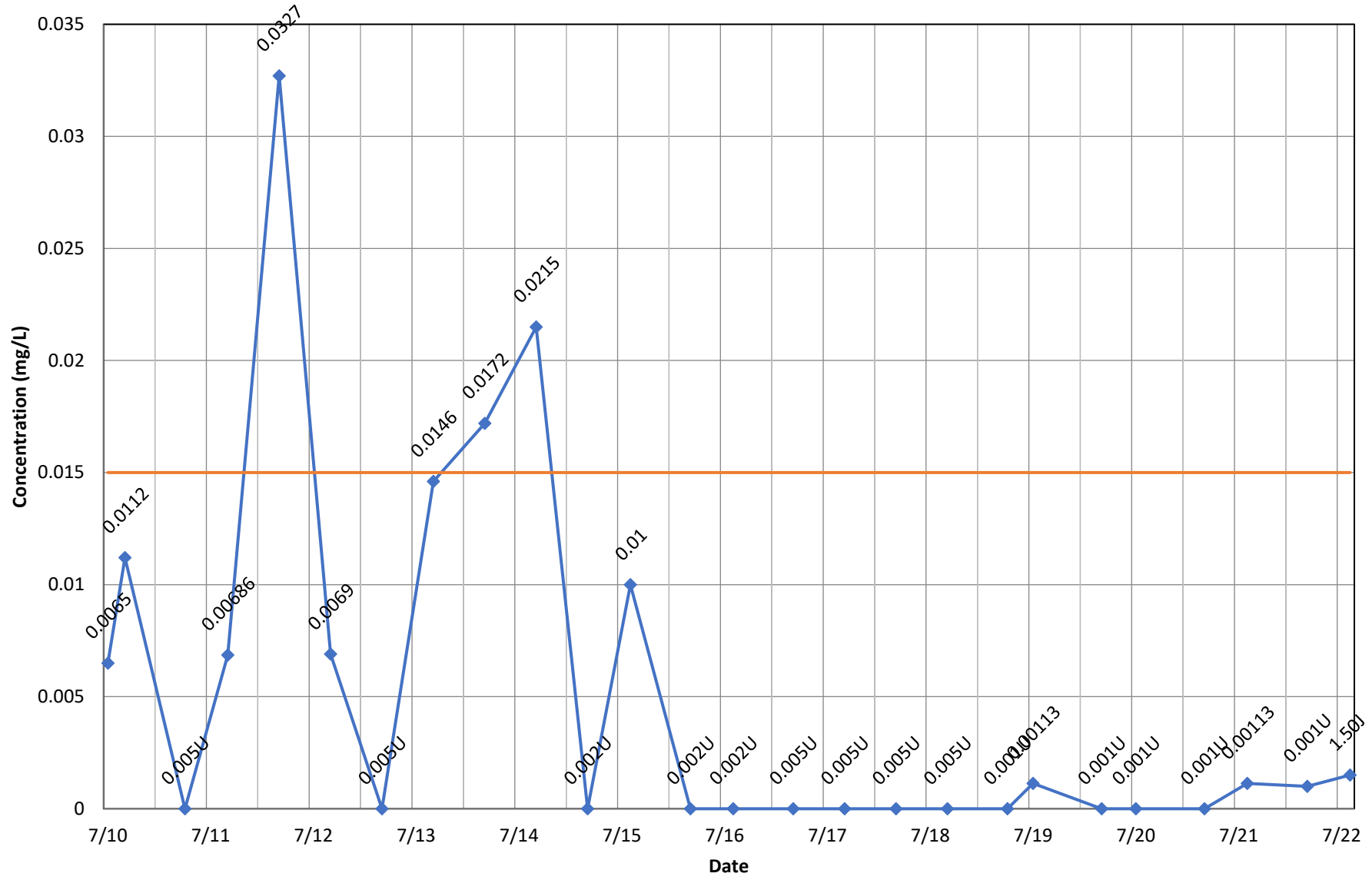
◆ Concentration    — Current\_MCL

# Monitoring Well MW-13A - cis-1,2-Dichloroethene



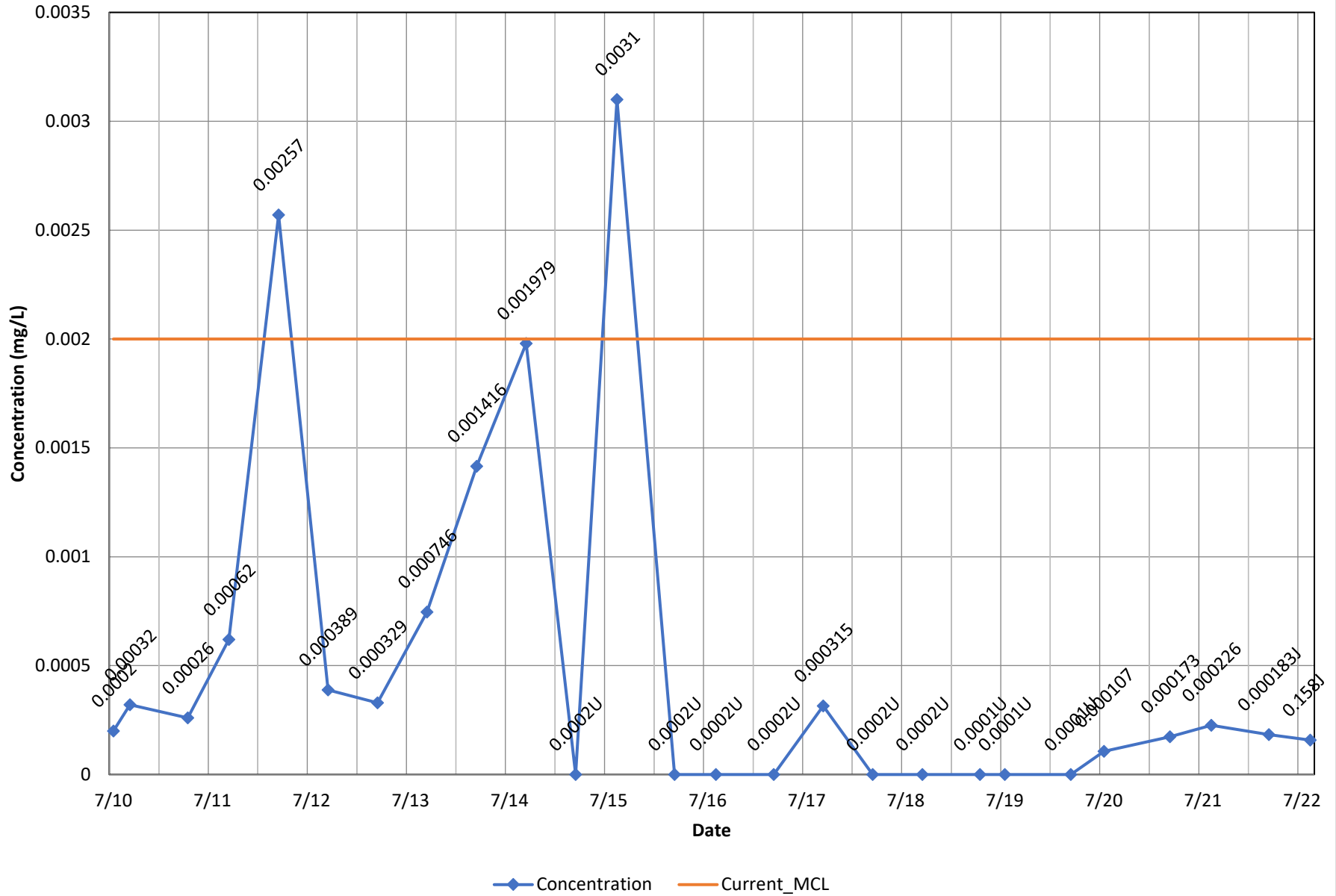
◆ Concentration    — Current\_MCL

# Monitoring Well MW-13A - Lead, total

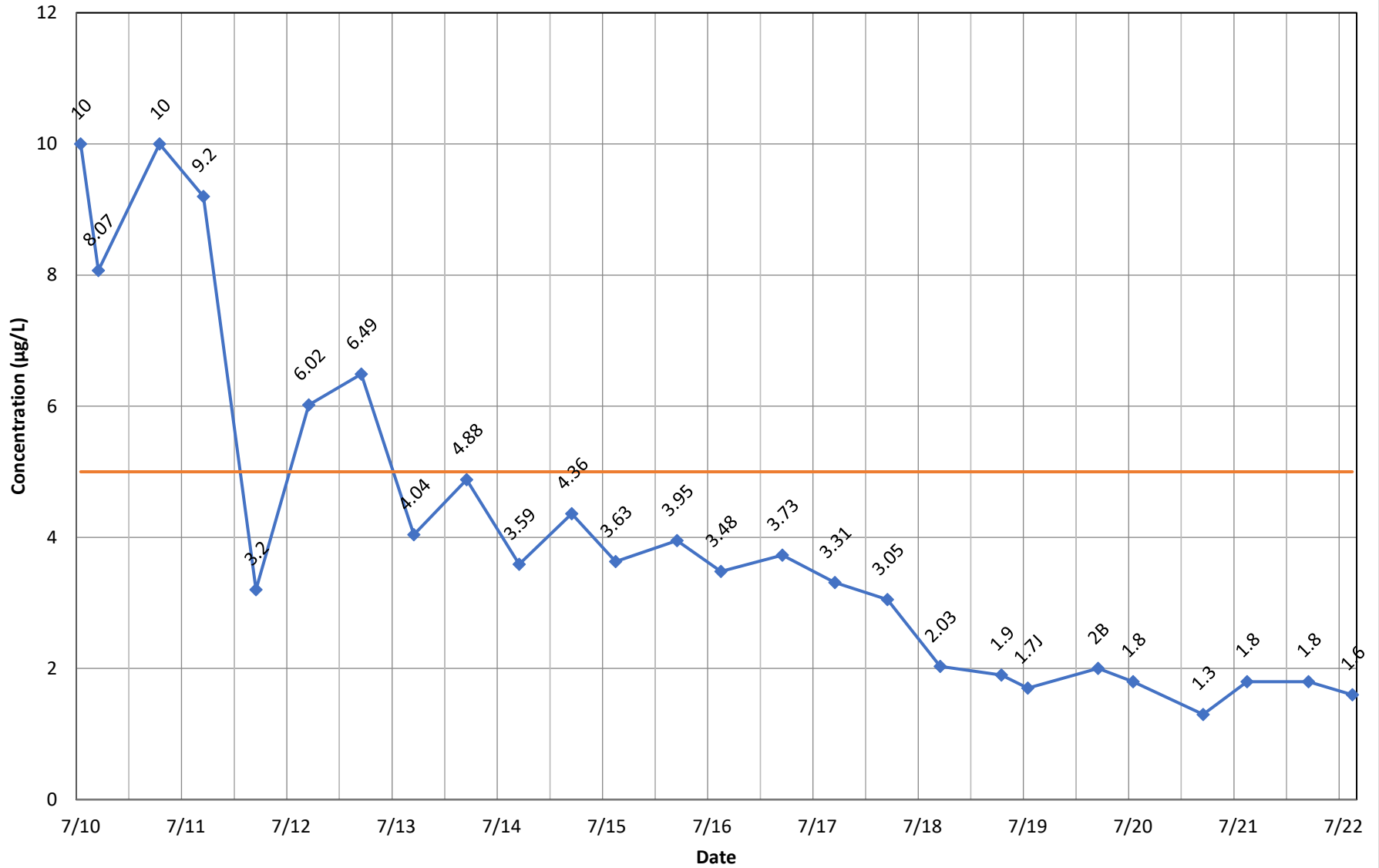


◆ Concentration    — Current\_MCL

# Monitoring Well MW-13A - Mercury, total

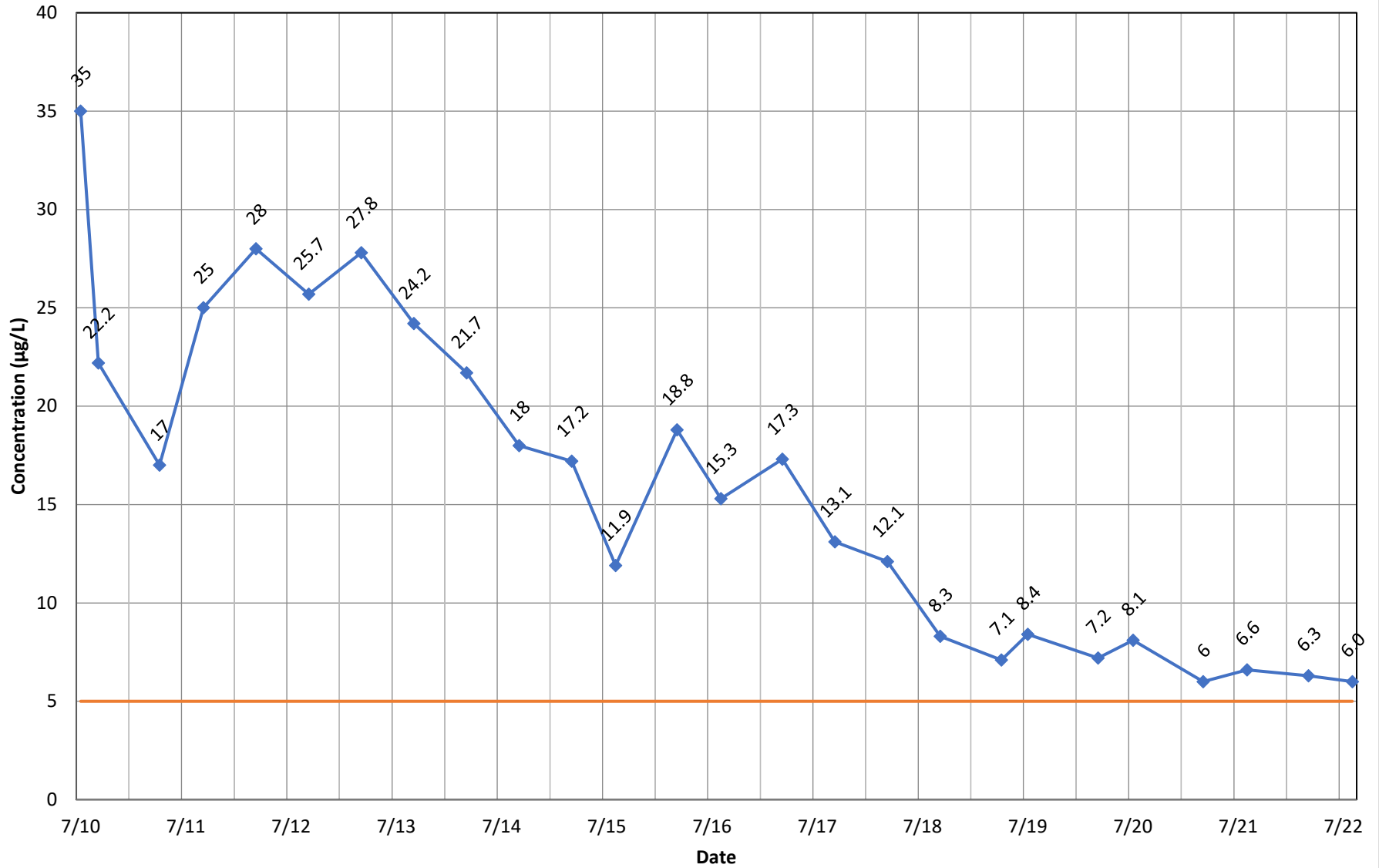


# Monitoring Well MW-13A - Methylene Chloride



◆ Concentration    — Current\_MCL

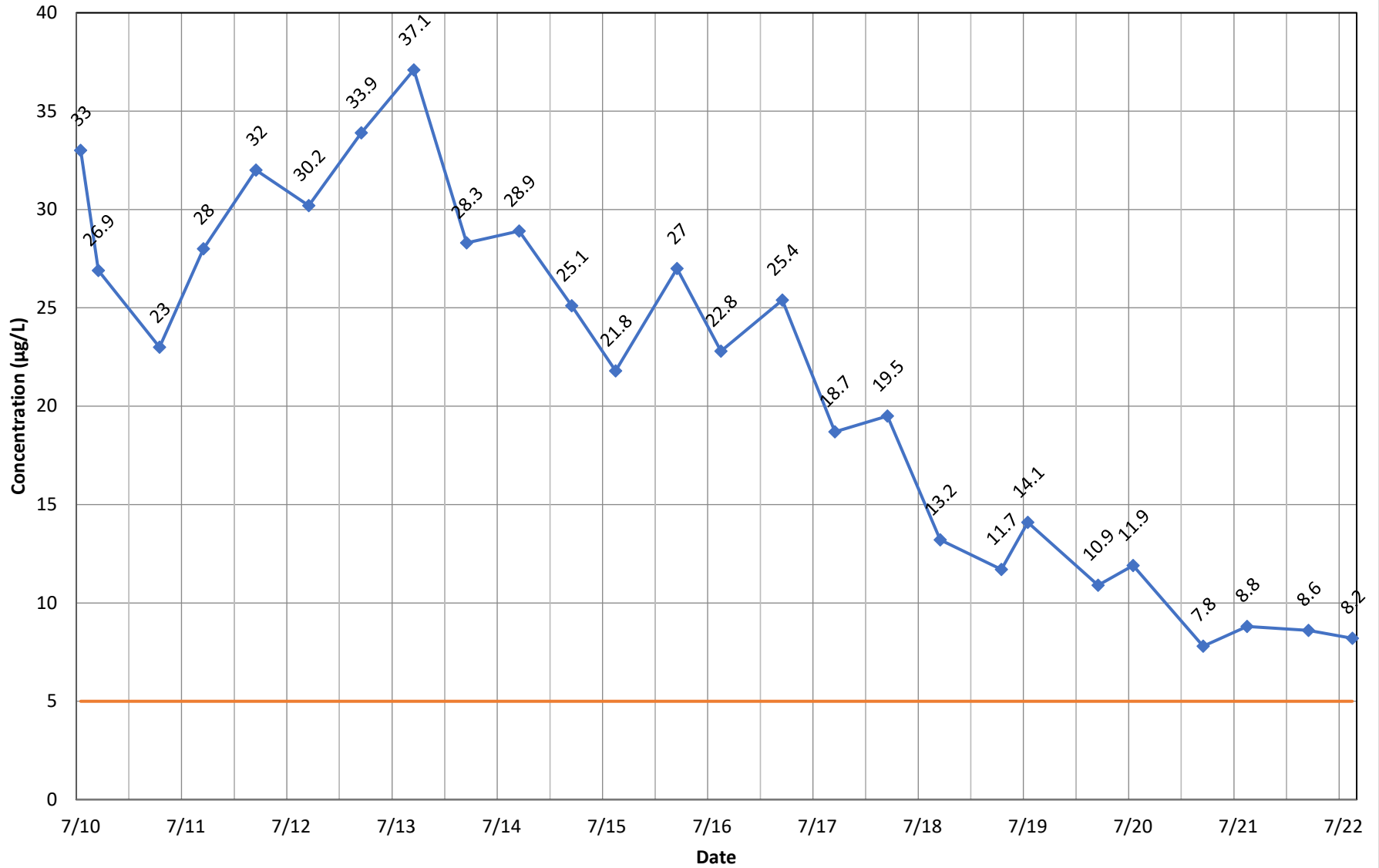
# Monitoring Well MW-13A - Tetrachloroethene



◆ Concentration    — Current\_MCL

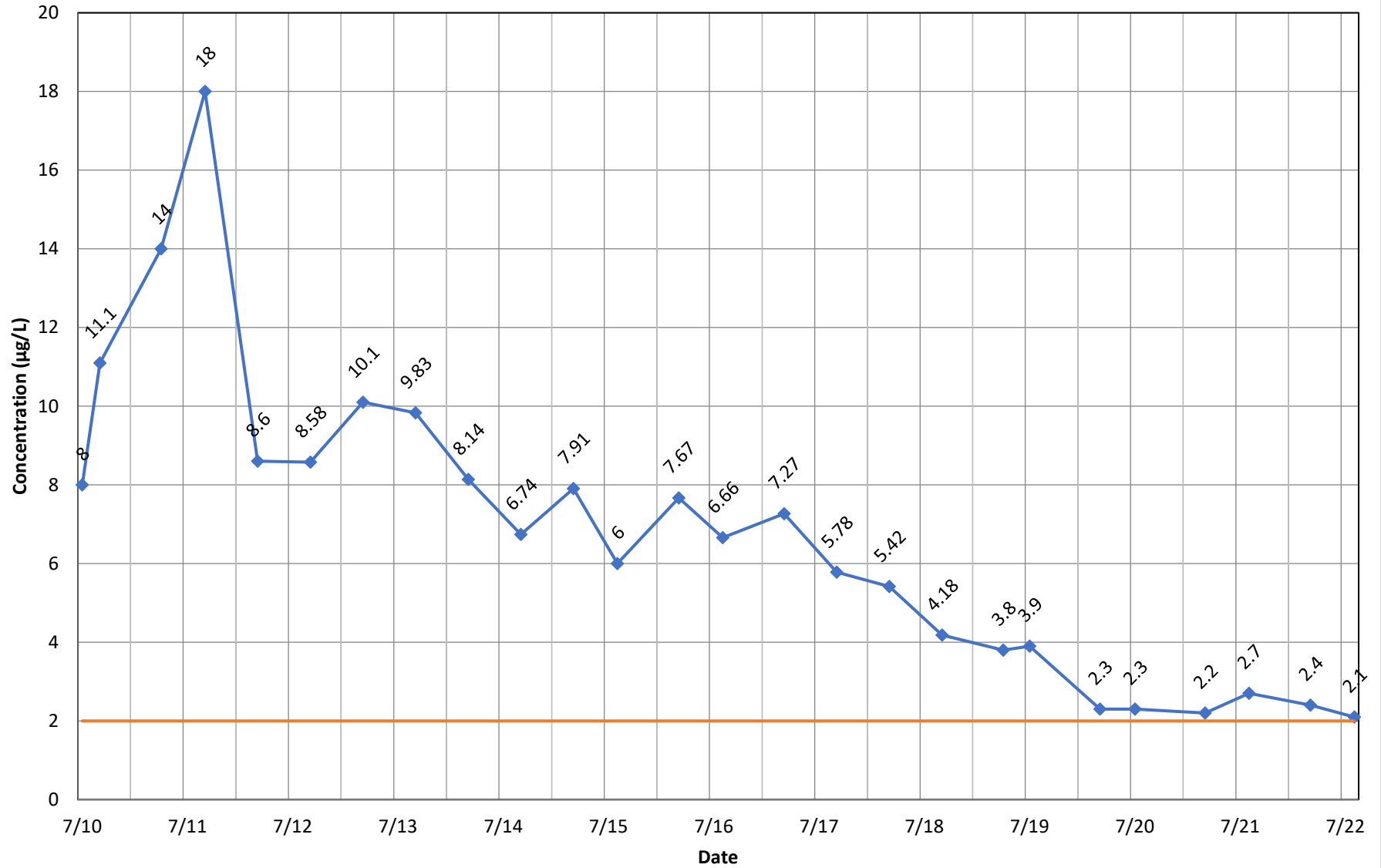


# Monitoring Well MW-13A - Trichloroethene



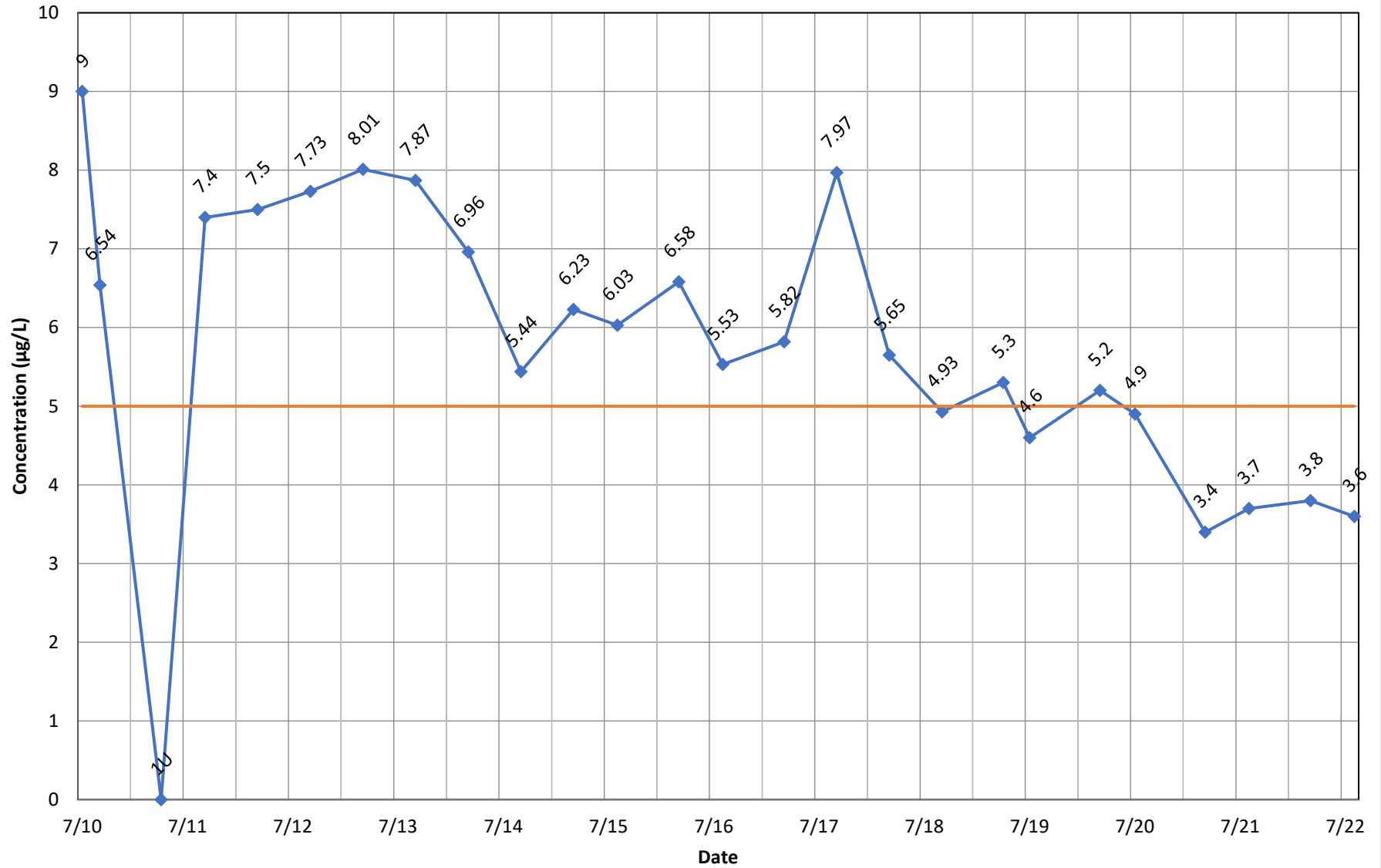
◆ Concentration    — Current\_MCL

# Monitoring Well MW-13A - Vinyl Chloride



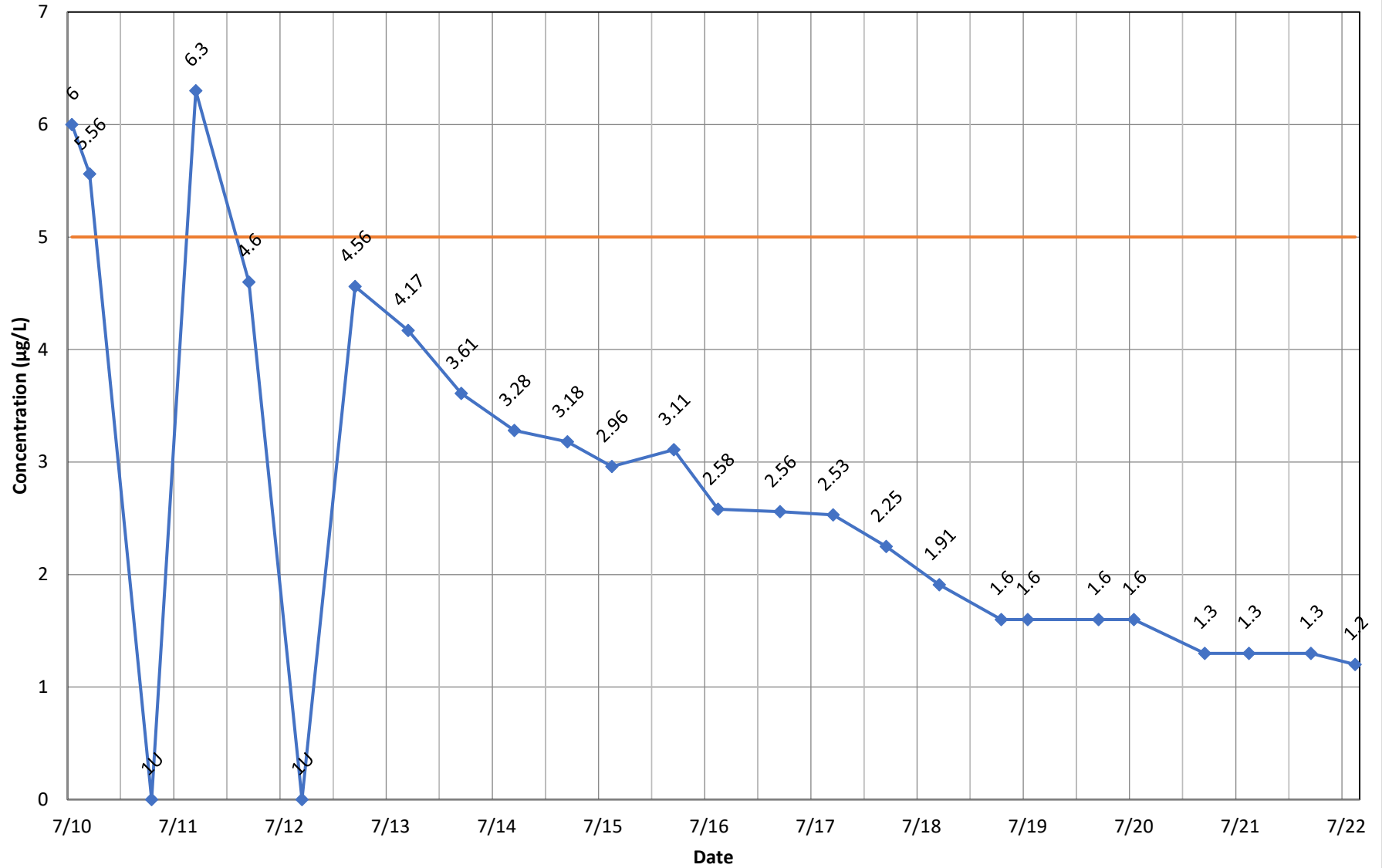
◆ Concentration    — Current\_MCL

# Monitoring Well MW-13B - 1,2-Dichloropropane



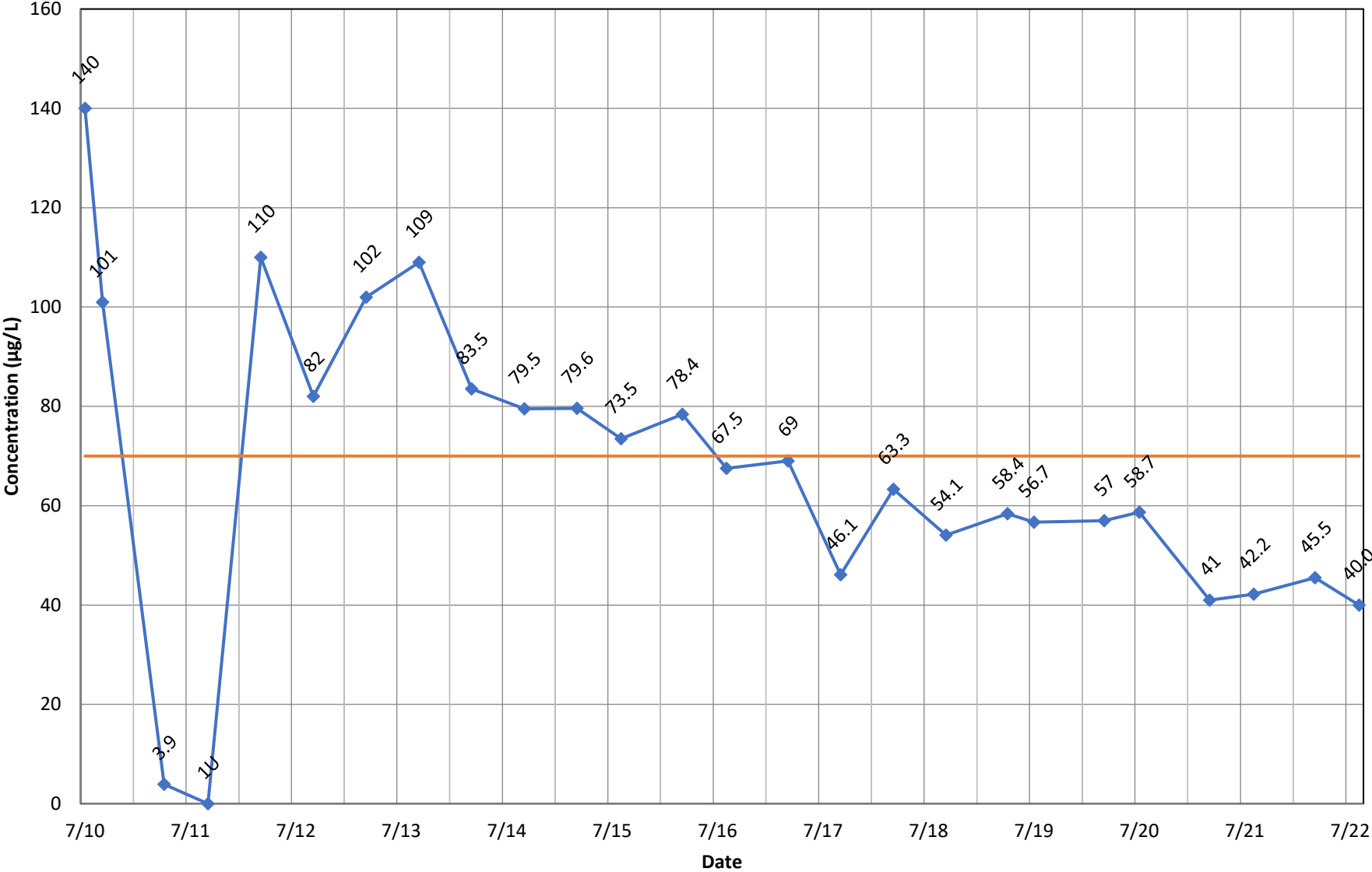
◆ Concentration    — Current\_MCL

# Monitoring Well MW-13B - Benzene



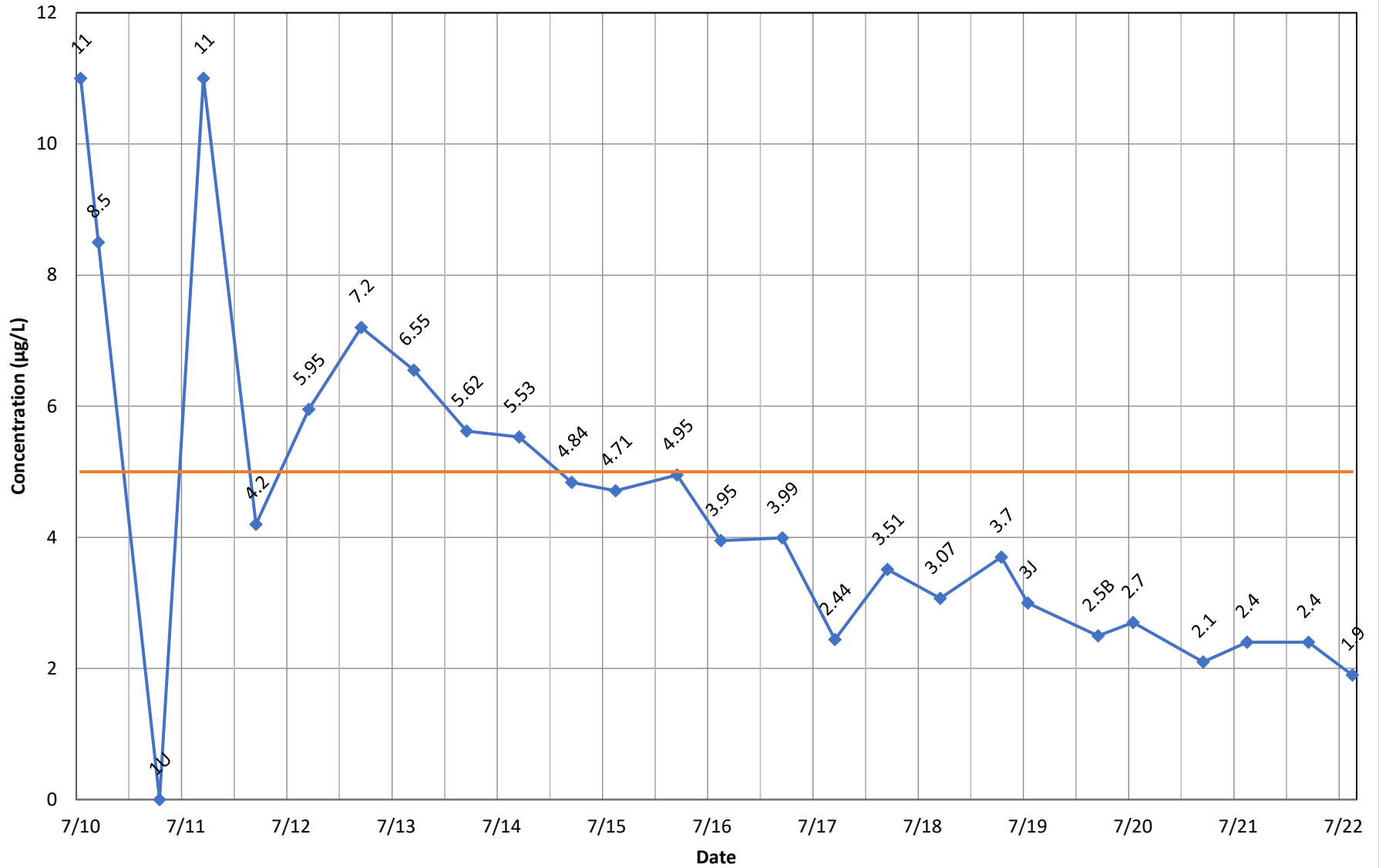
◆ Concentration    — Current\_MCL

### Monitoring Well MW-13B - cis-1,2-Dichloroethene



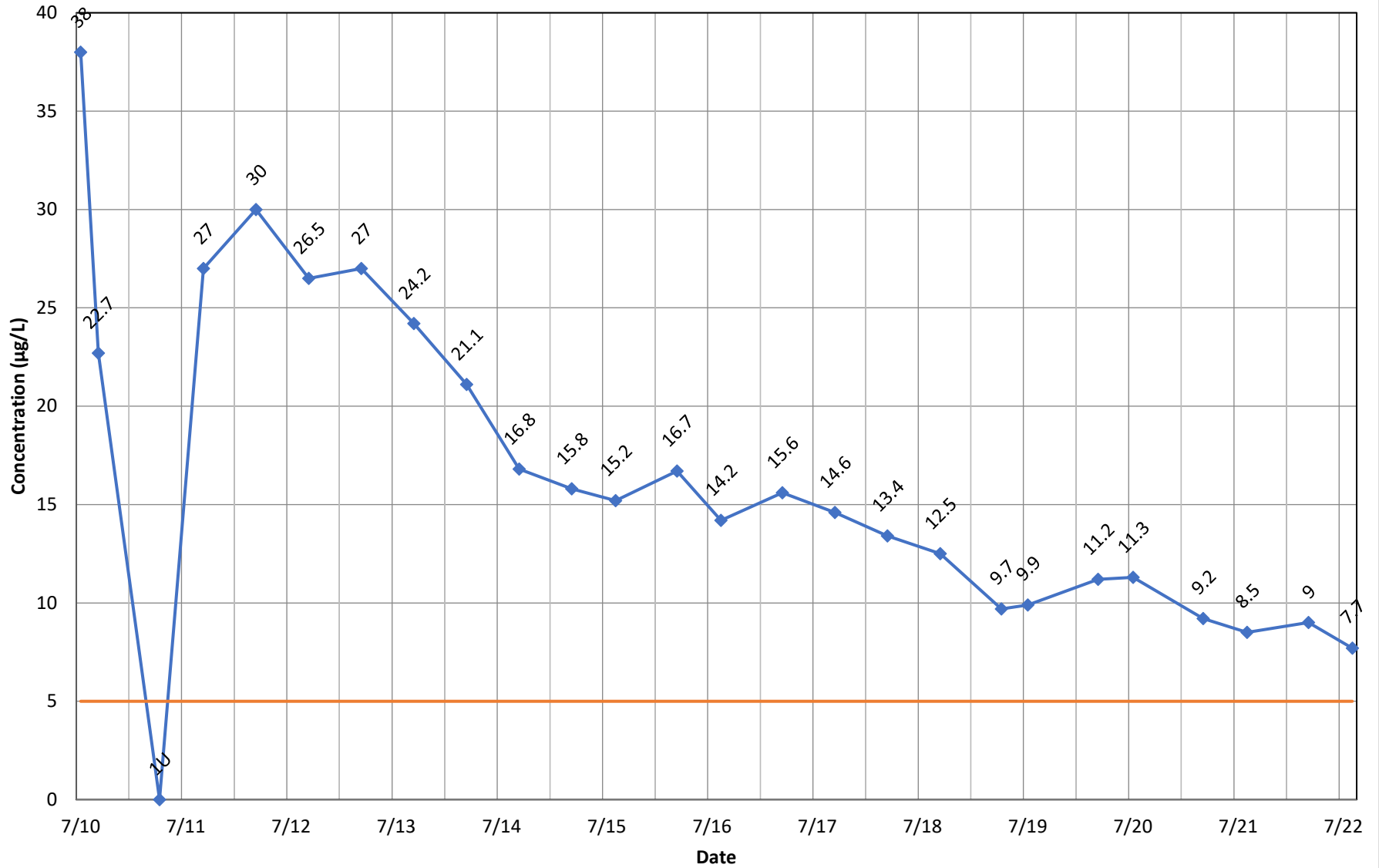
◆ Concentration    — Current\_MCL

# Monitoring Well MW-13B - Methylene Chloride



◆ Concentration    — Current\_MCL

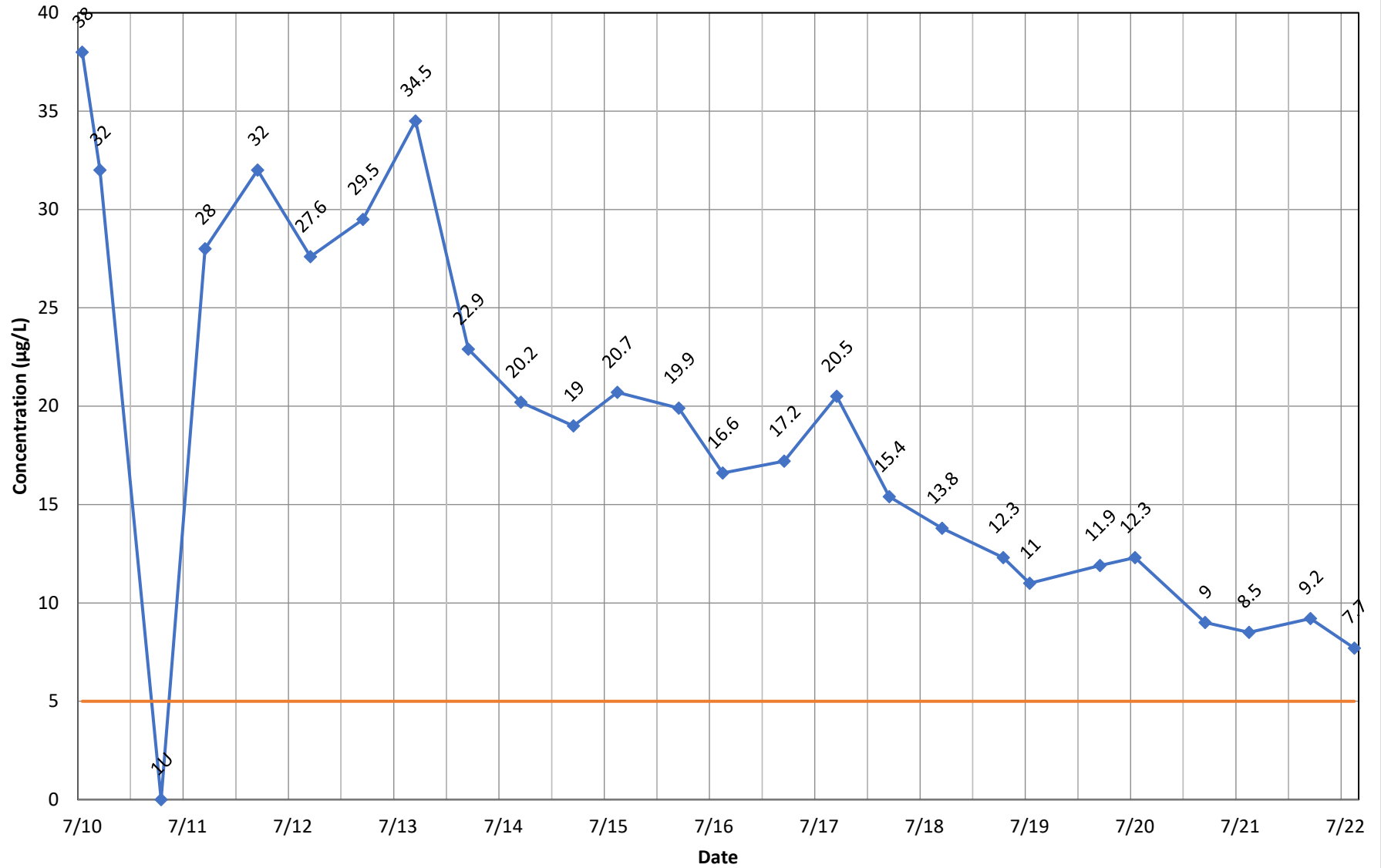
# Monitoring Well MW-13B - Tetrachloroethene



◆ Concentration    — Current\_MCL

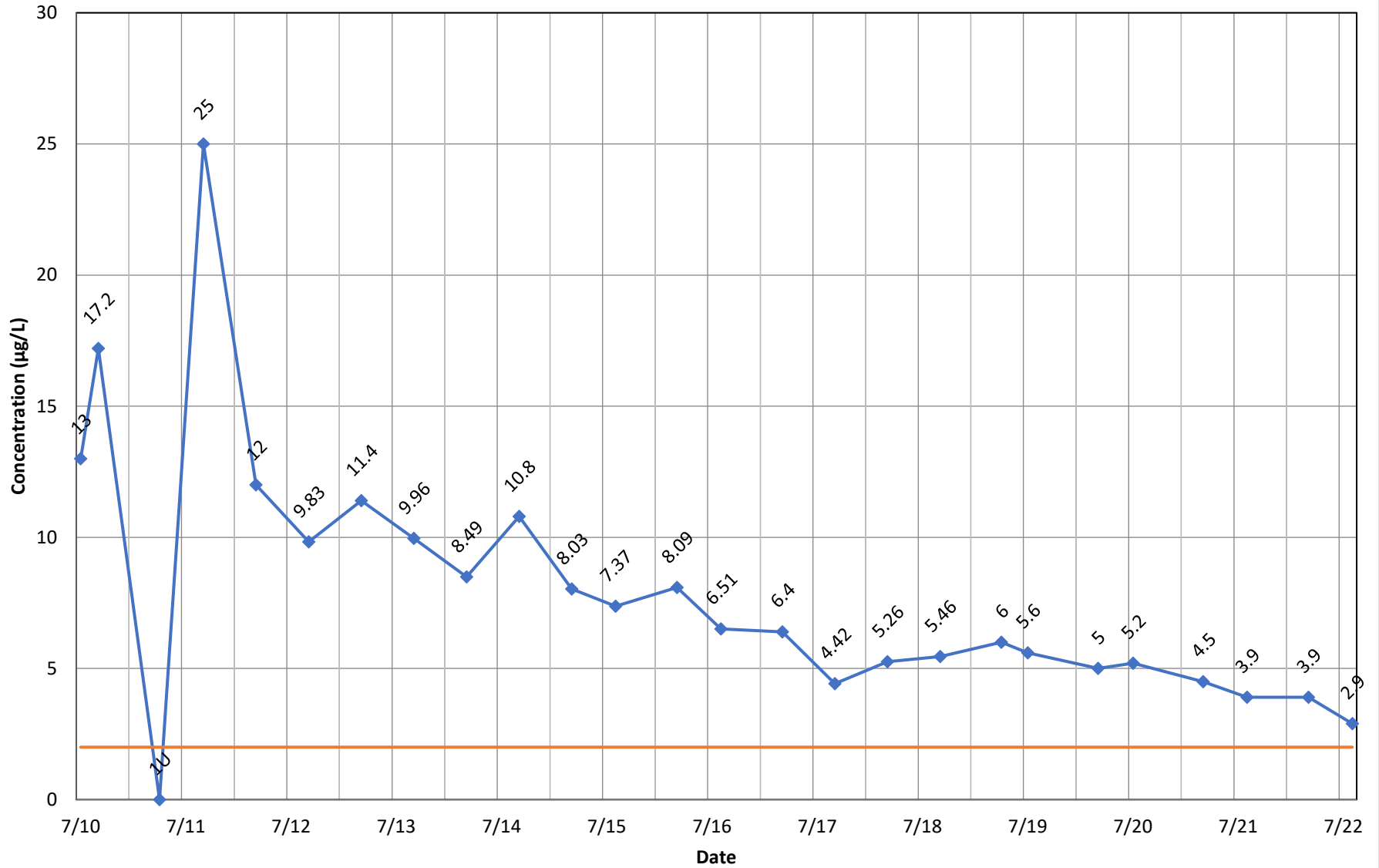


# Monitoring Well MW-13B - Trichloroethene



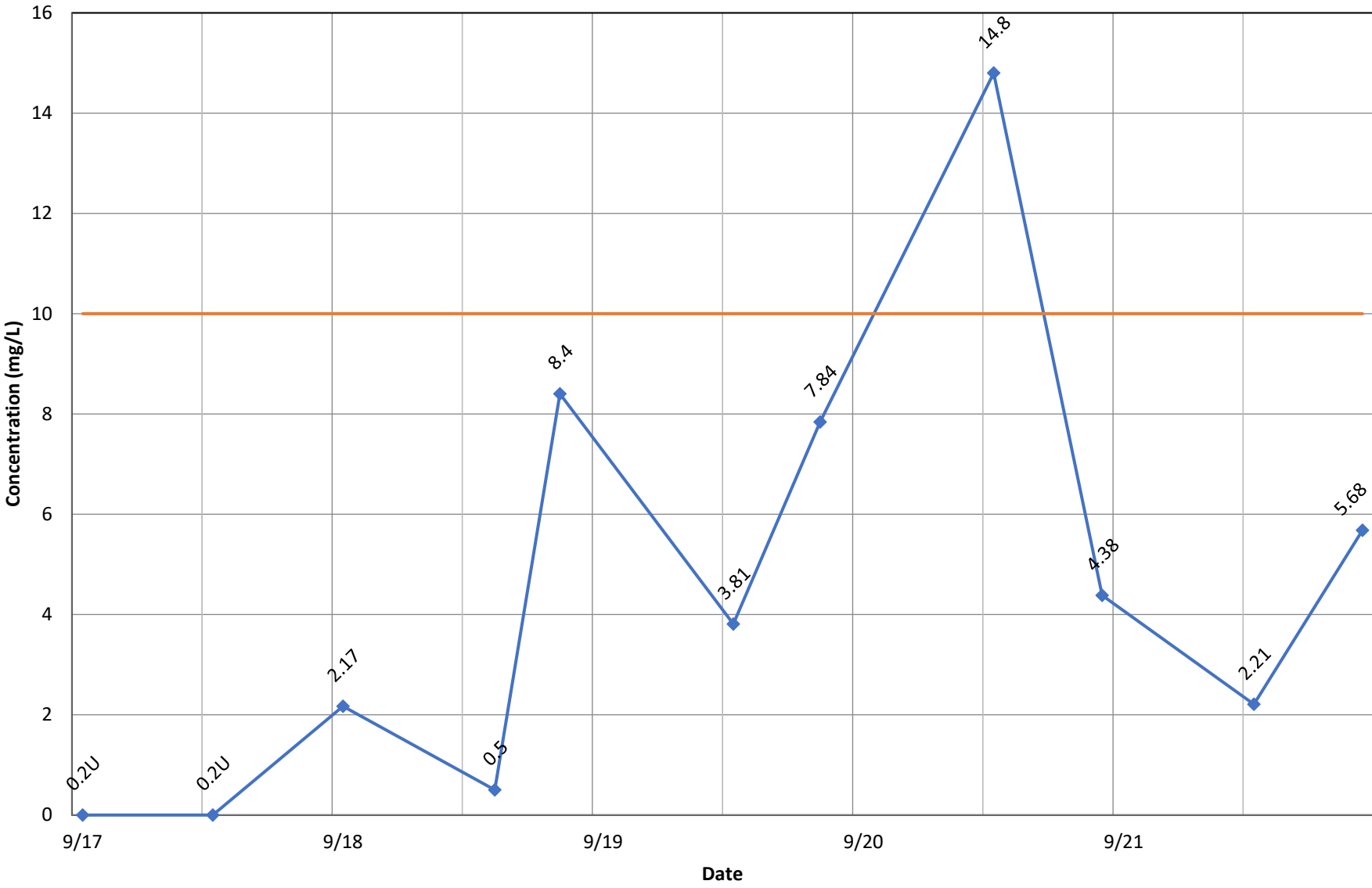
◆ Concentration    — Current\_MCL

# Monitoring Well MW-13B - Vinyl Chloride



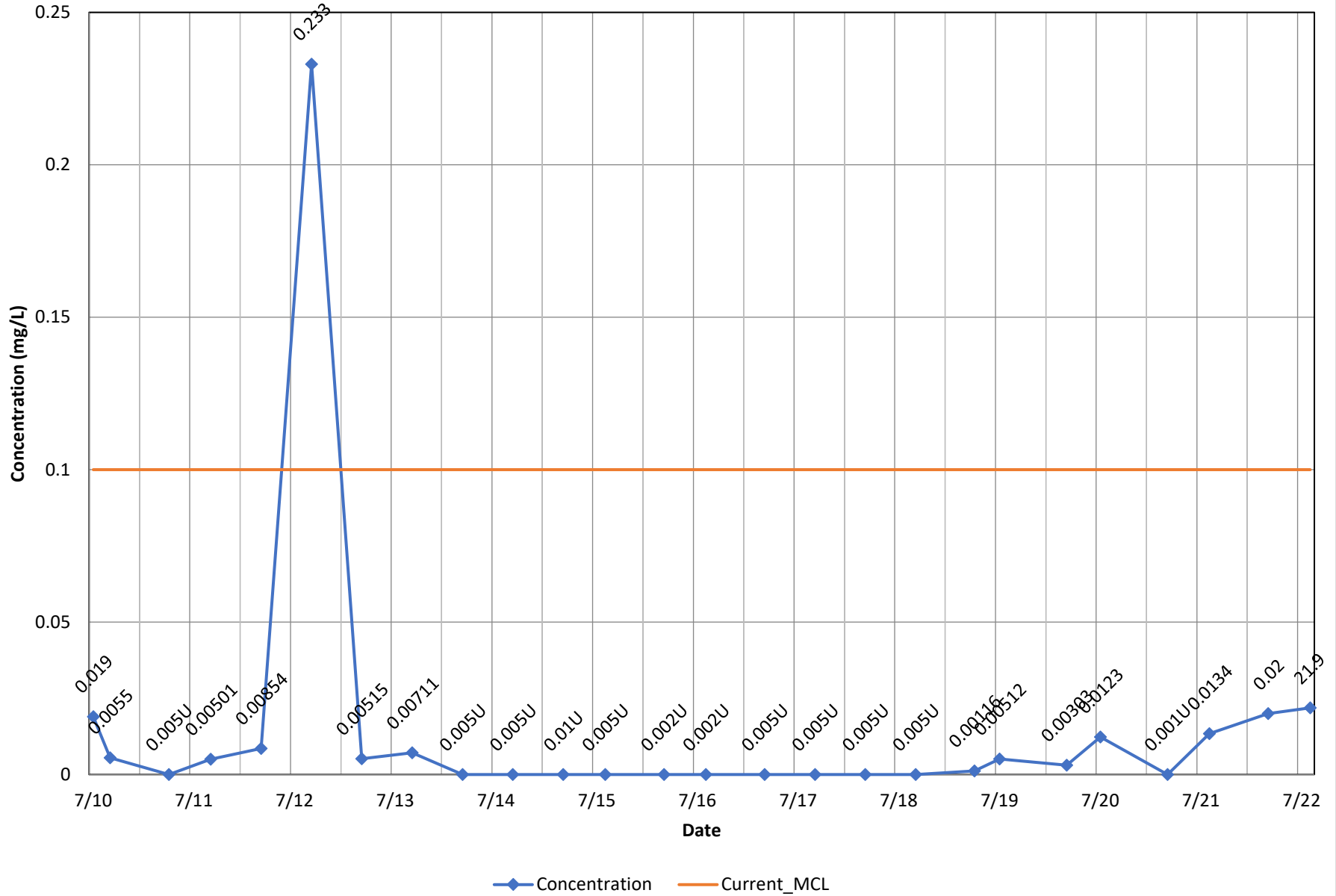
◆ Concentration    — Current\_MCL

### Monitoring Well MW-16A - Nitrate

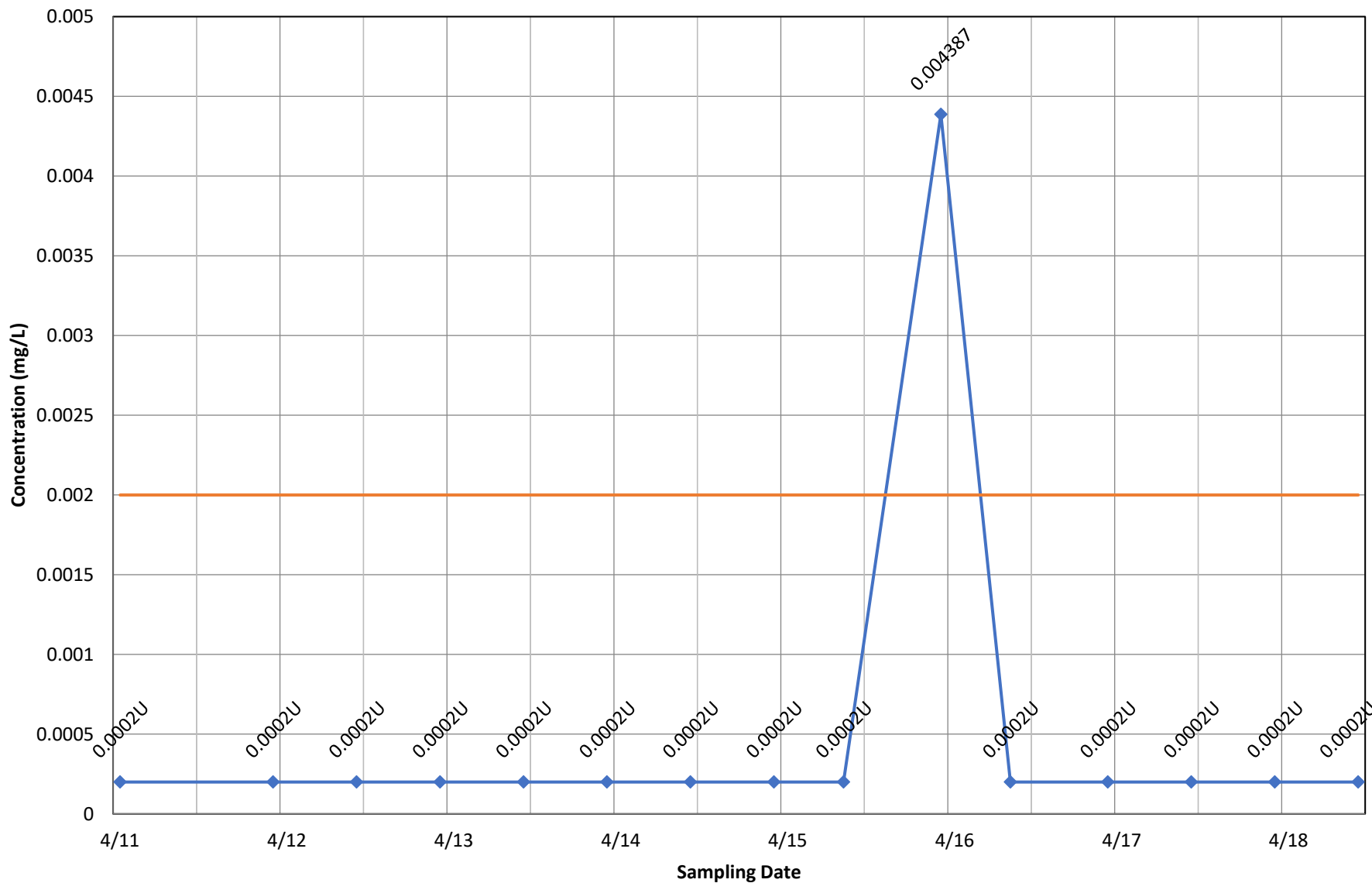


◆ Concentration    — Current\_MCL

### Monitoring Well MW-1B - Chromium, total

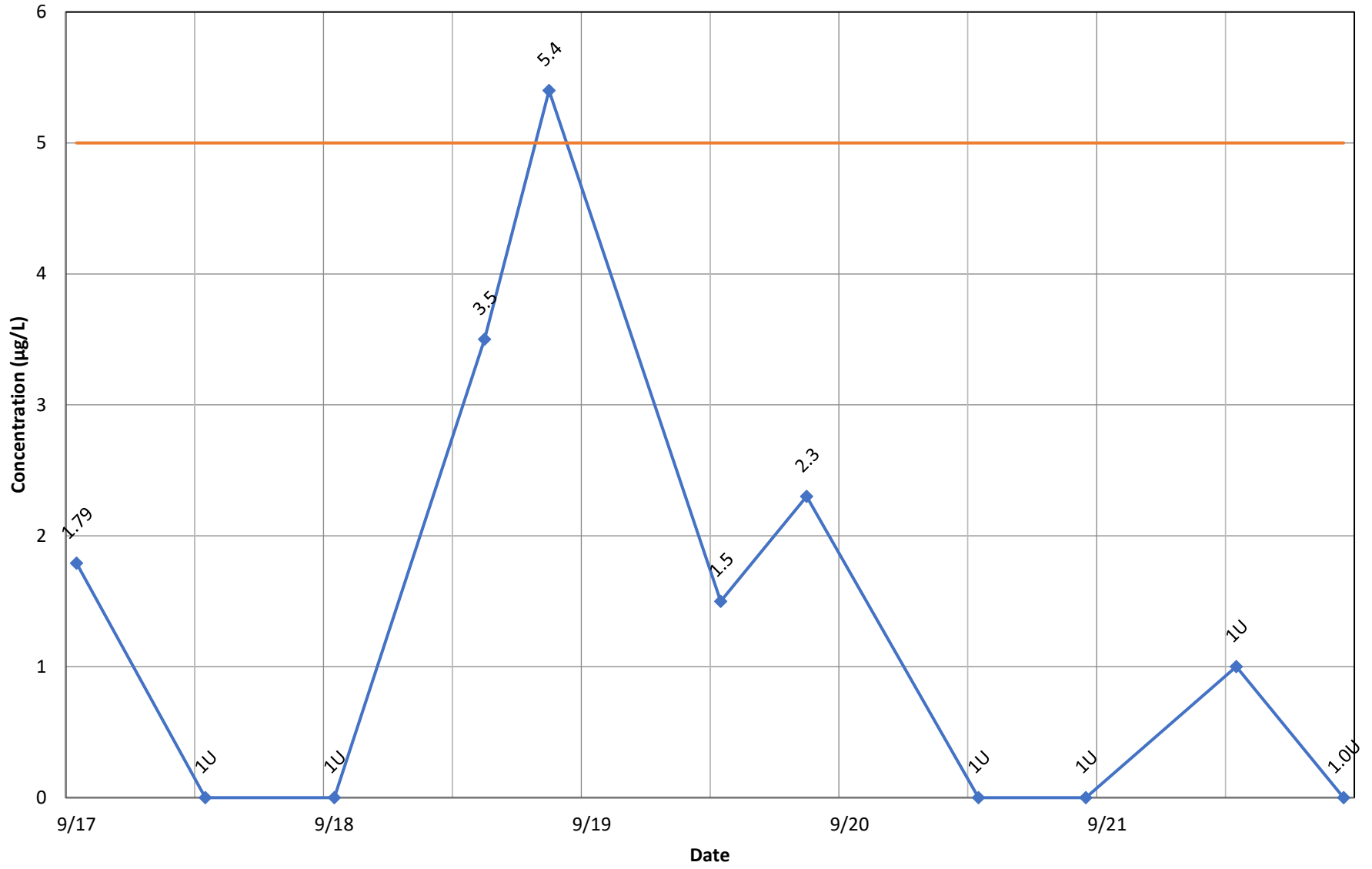


### Monitoring Well MW-1B - Mercury, dissolved



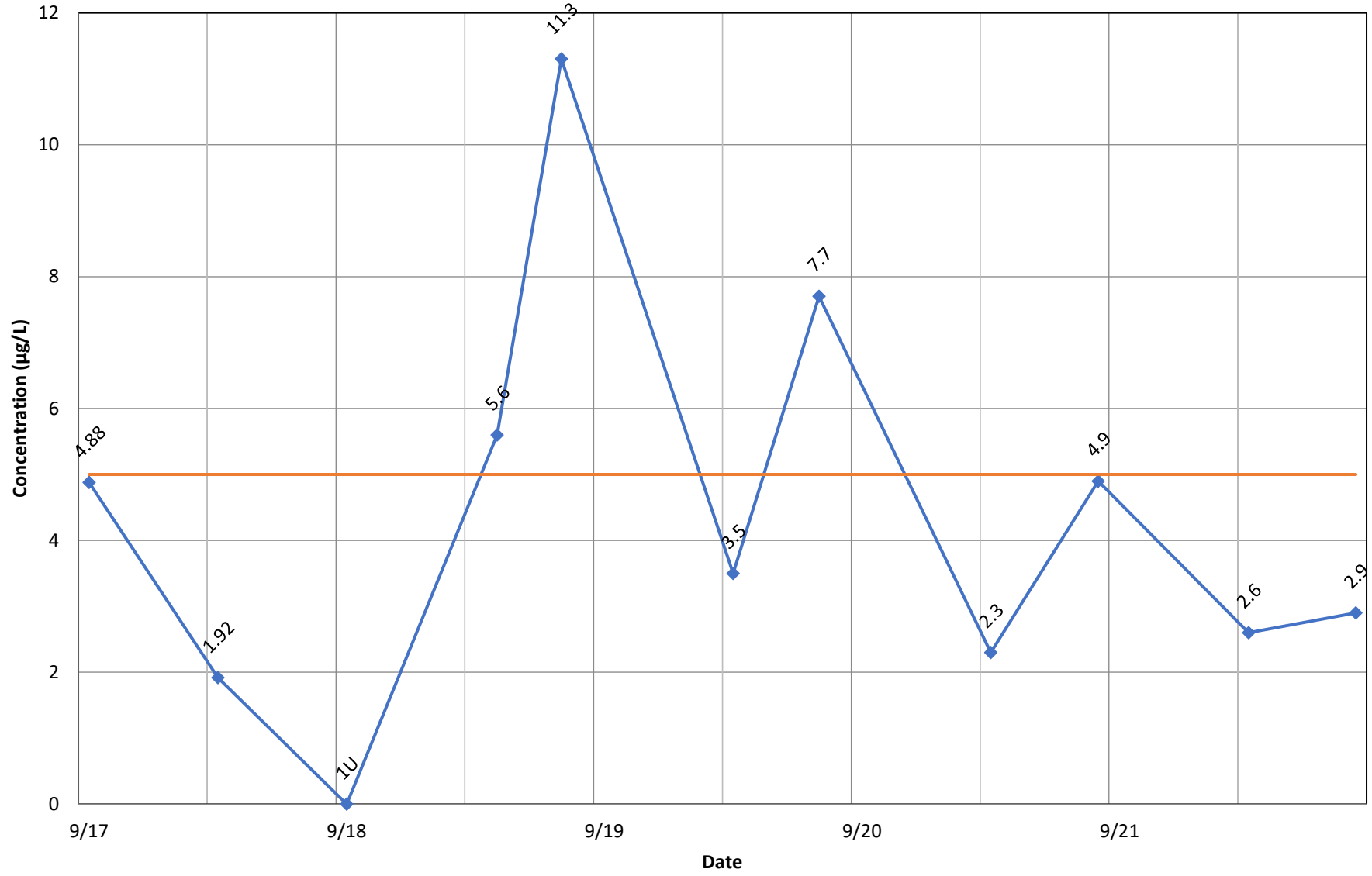
◆ Concentration    — Current MCL

# Monitoring Well MW-21A - Tetrachloroethene



◆ Concentration    — Current\_MCL

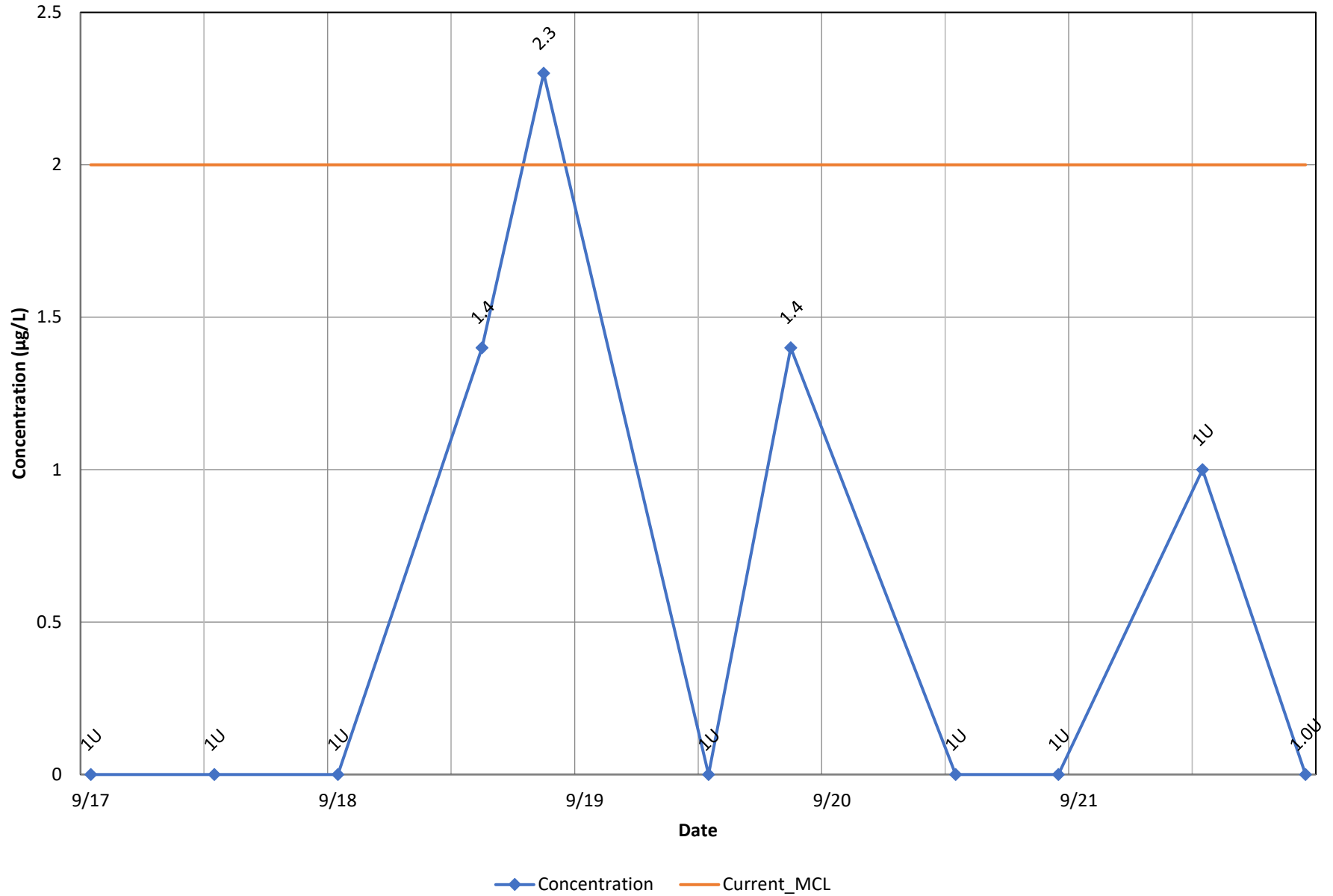
# Monitoring Well MW-21A - Trichloroethene



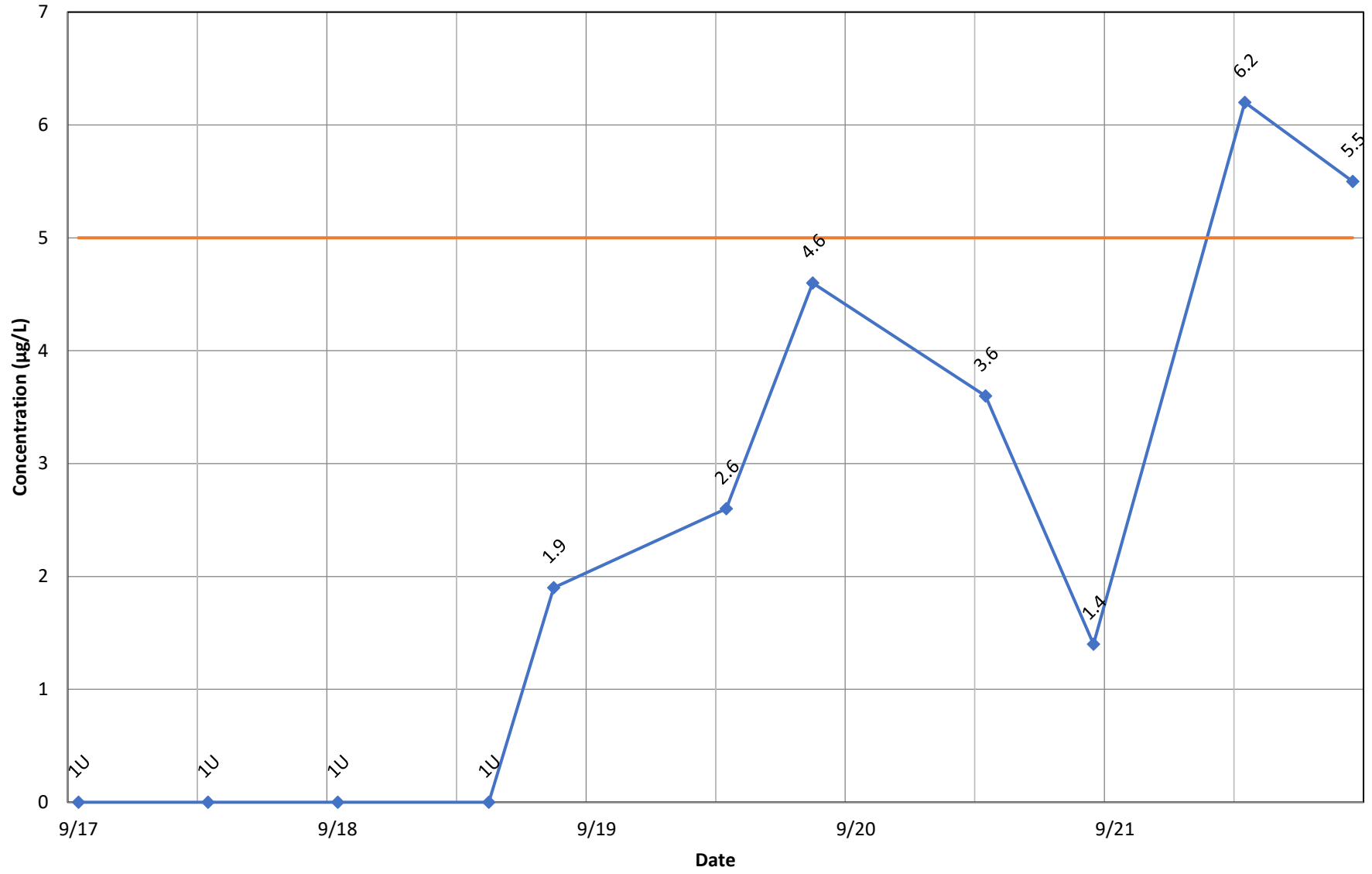
◆ Concentration    — Current\_MCL



# Monitoring Well MW-21A - Vinyl Chloride

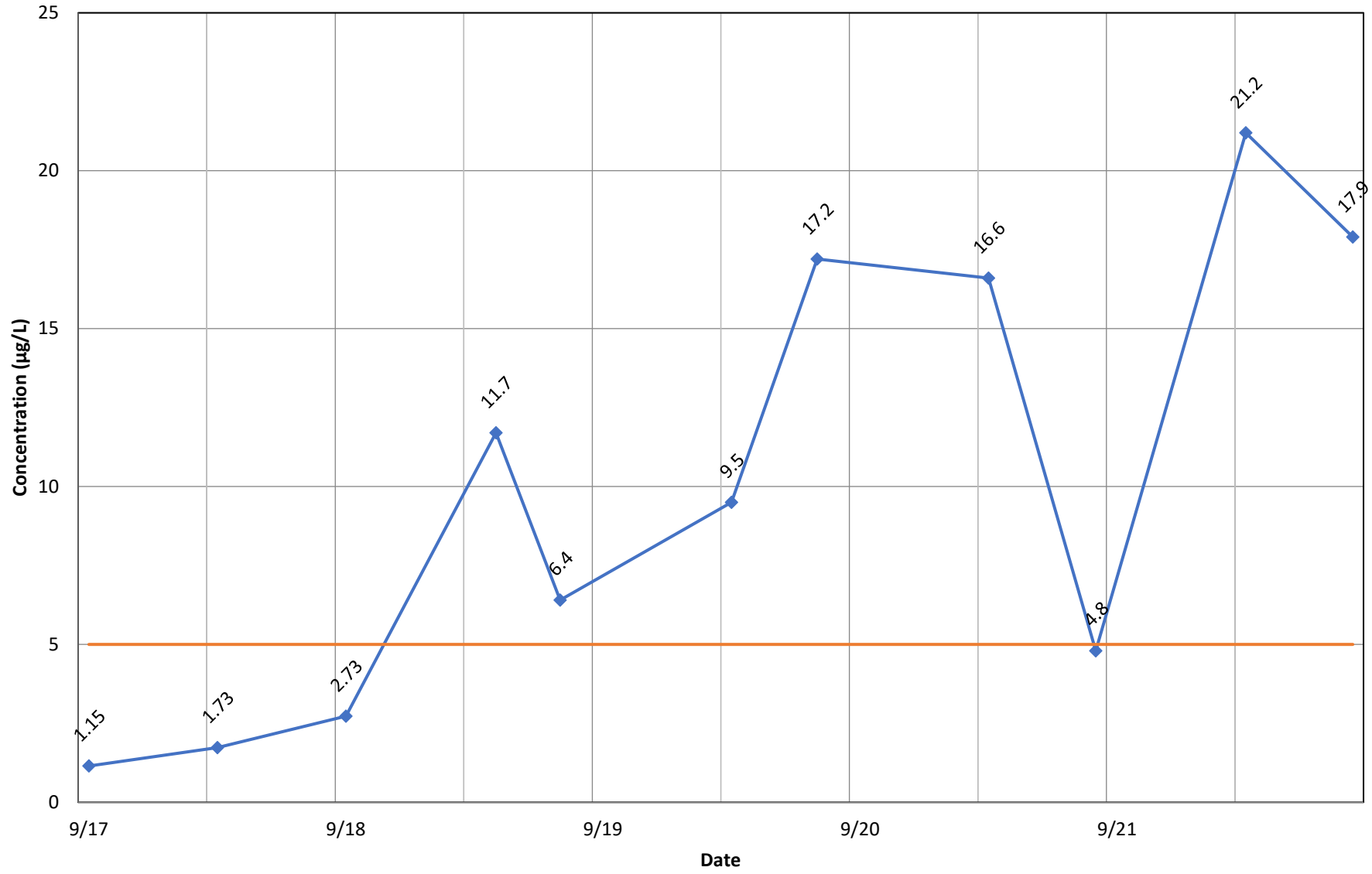


# Monitoring Well MW-21B - Tetrachloroethene



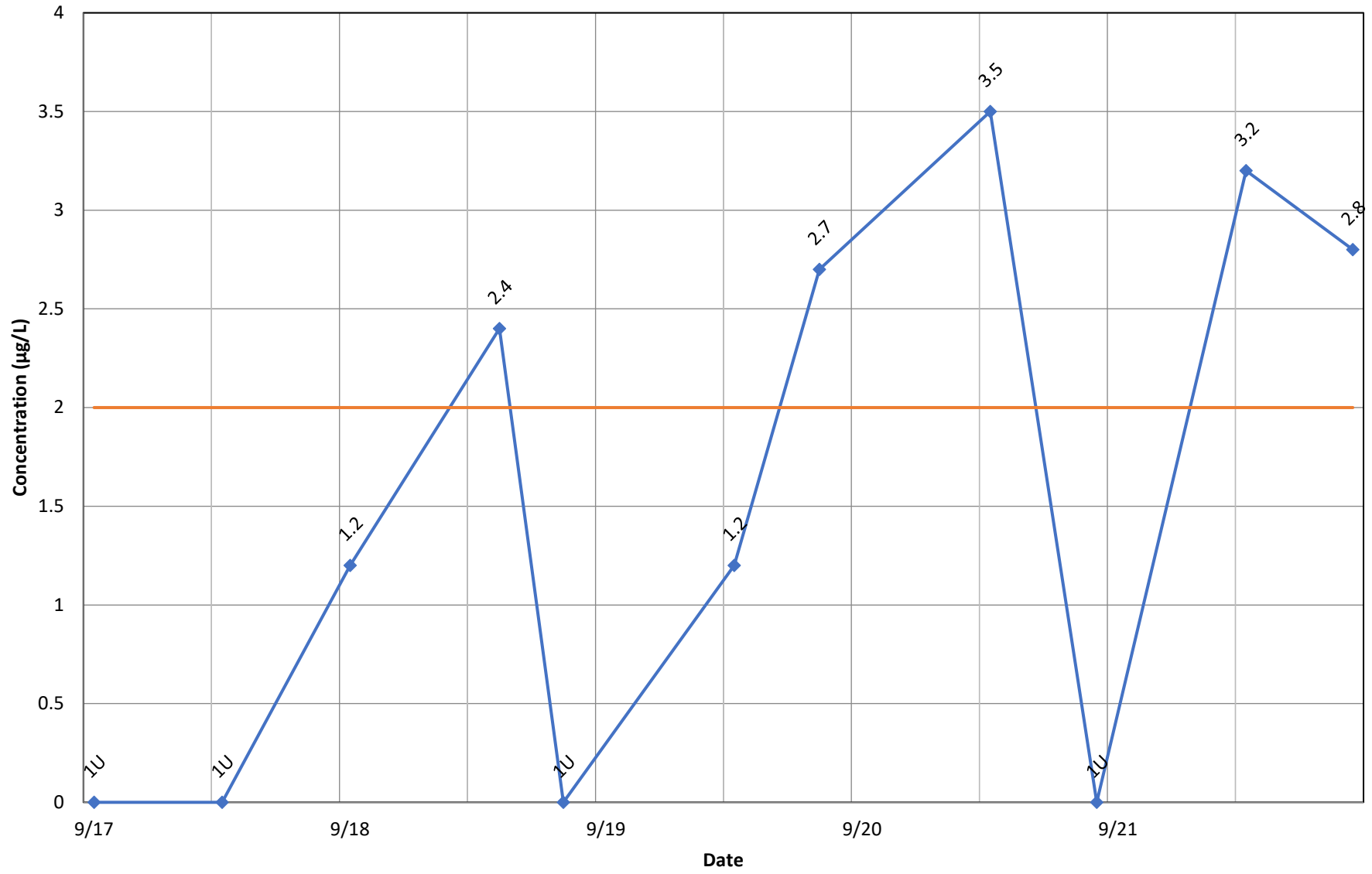
◆ Concentration    — Current\_MCL

### Monitoring Well MW-21B - Trichloroethene



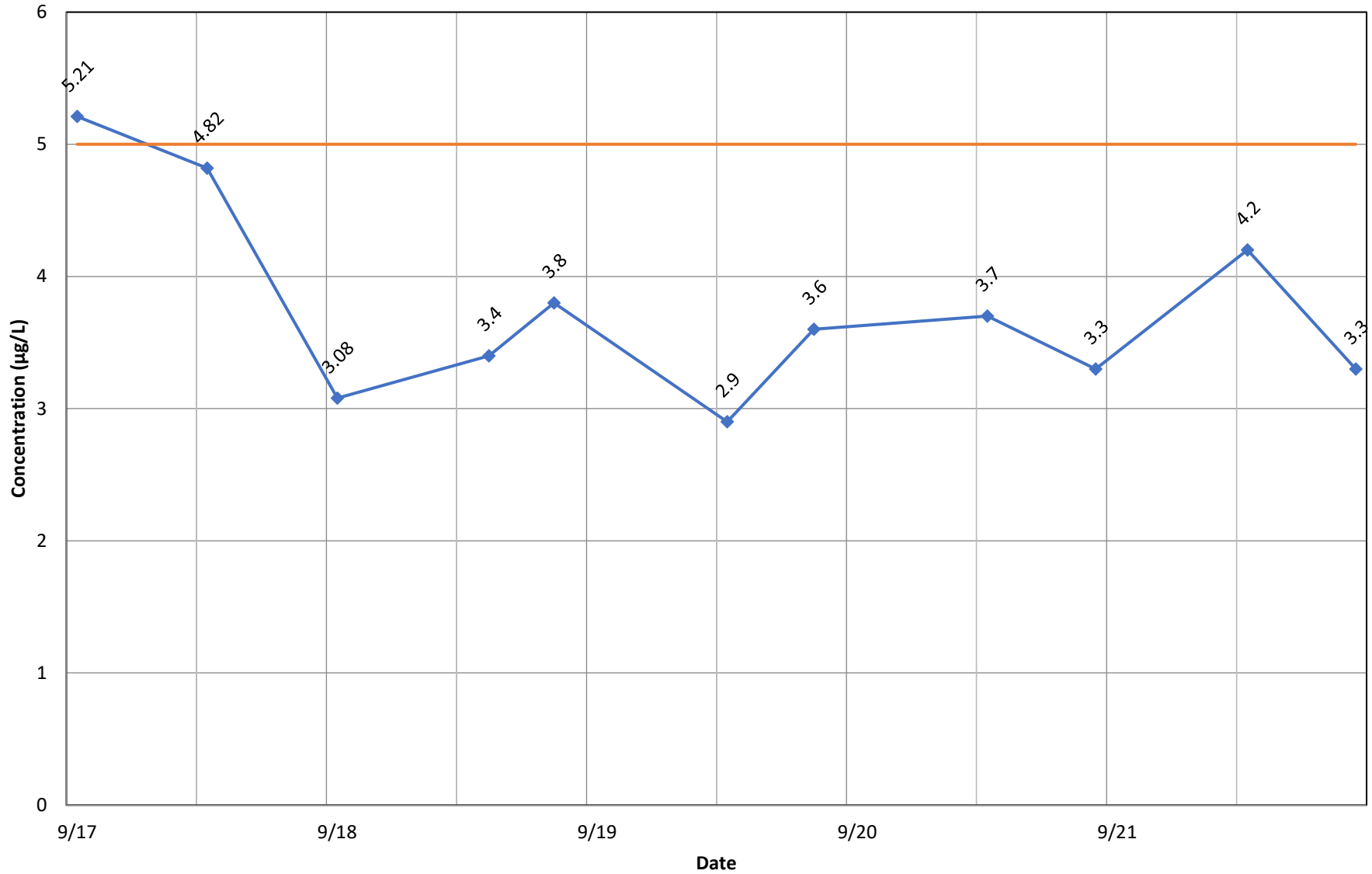
◆ Concentration    — Current\_MCL

### Monitoring Well MW-21B - Vinyl Chloride



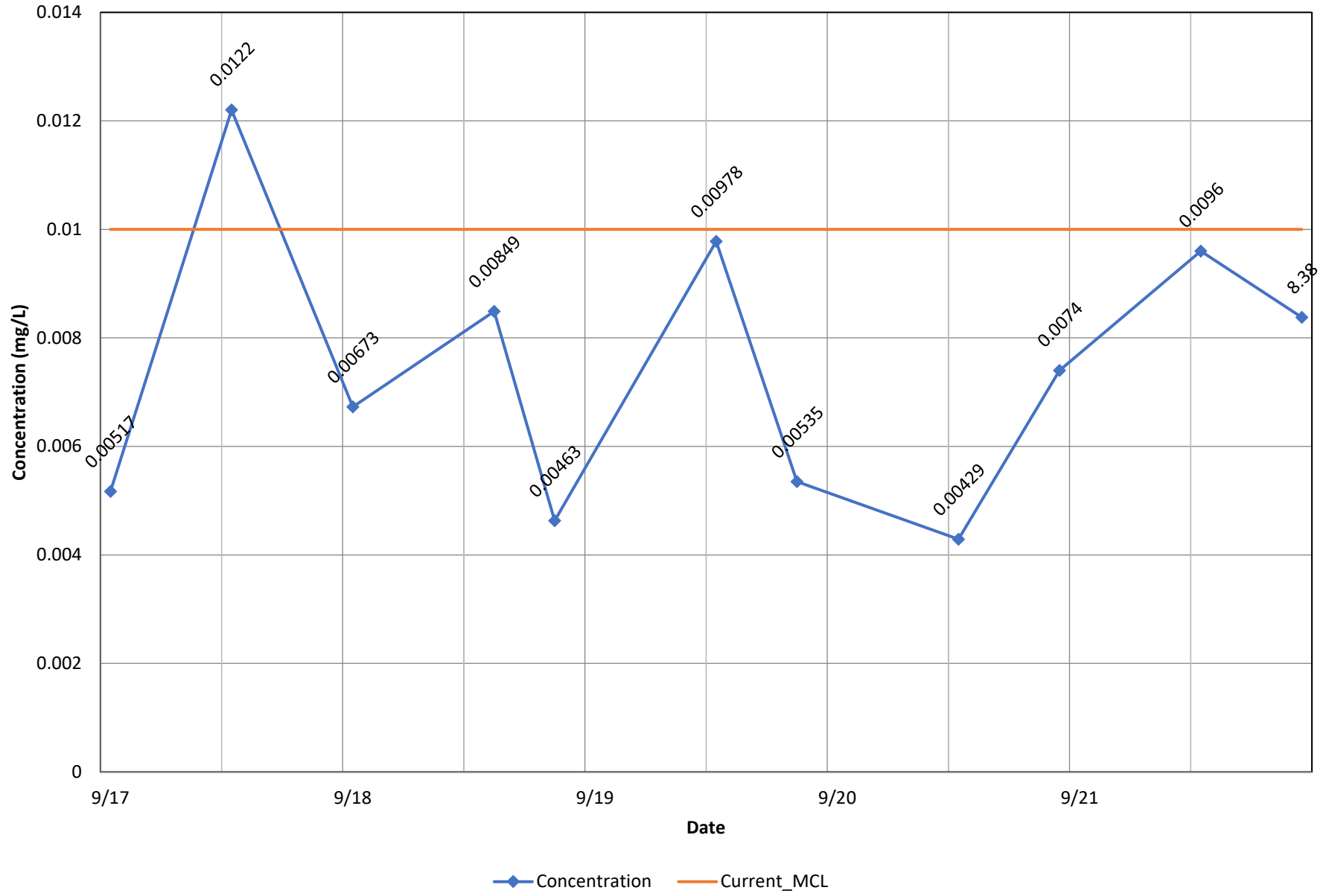
◆ Concentration    — Current\_MCL

# Monitoring Well MW-22A - Trichloroethene

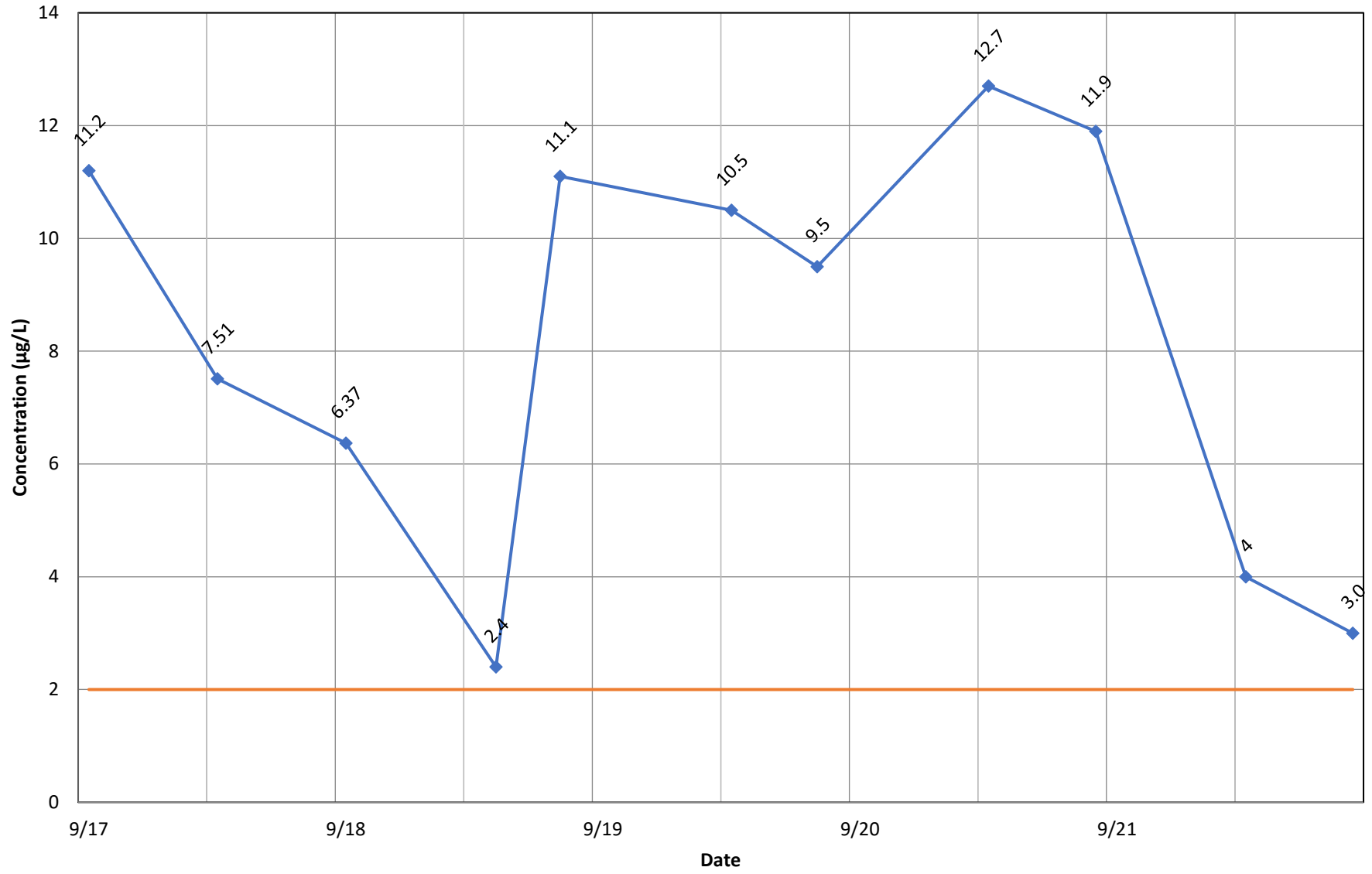


◆ Concentration    — Current\_MCL

### Monitoring Well MW-22B - Arsenic, total



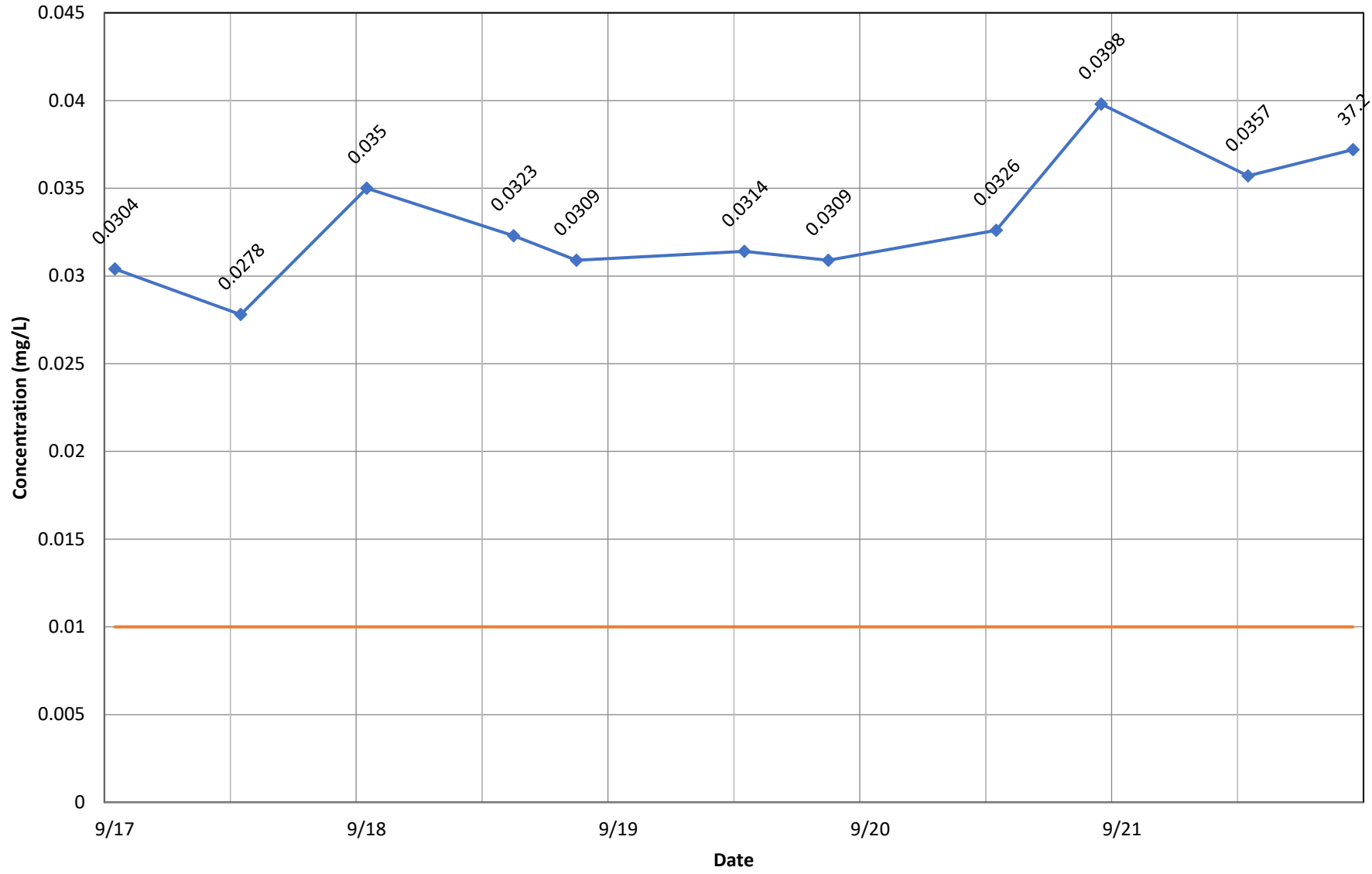
### Monitoring Well MW-24A - Vinyl Chloride



◆ Concentration    — Current\_MCL

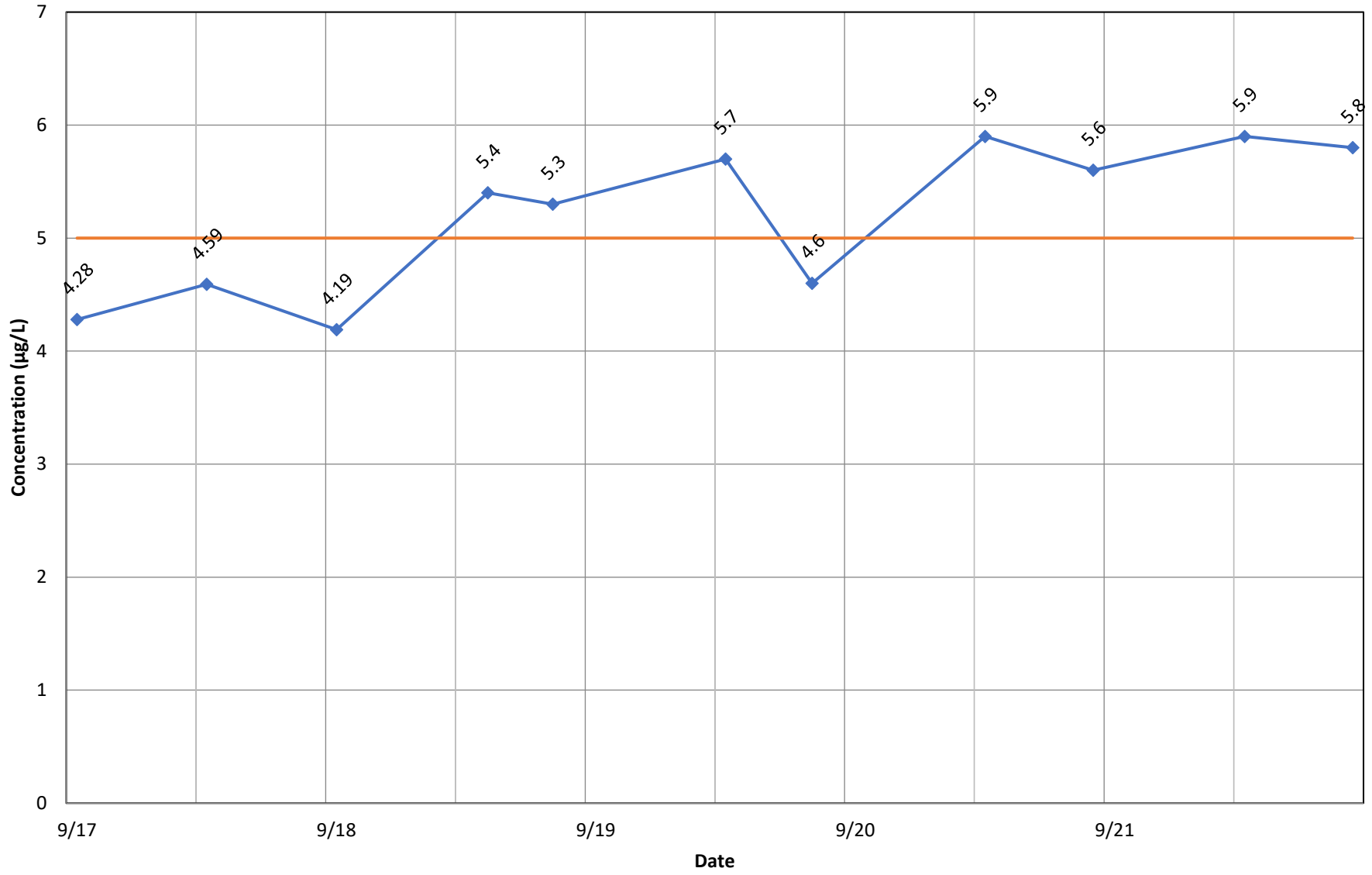


### Monitoring Well MW-24B - Arsenic, total



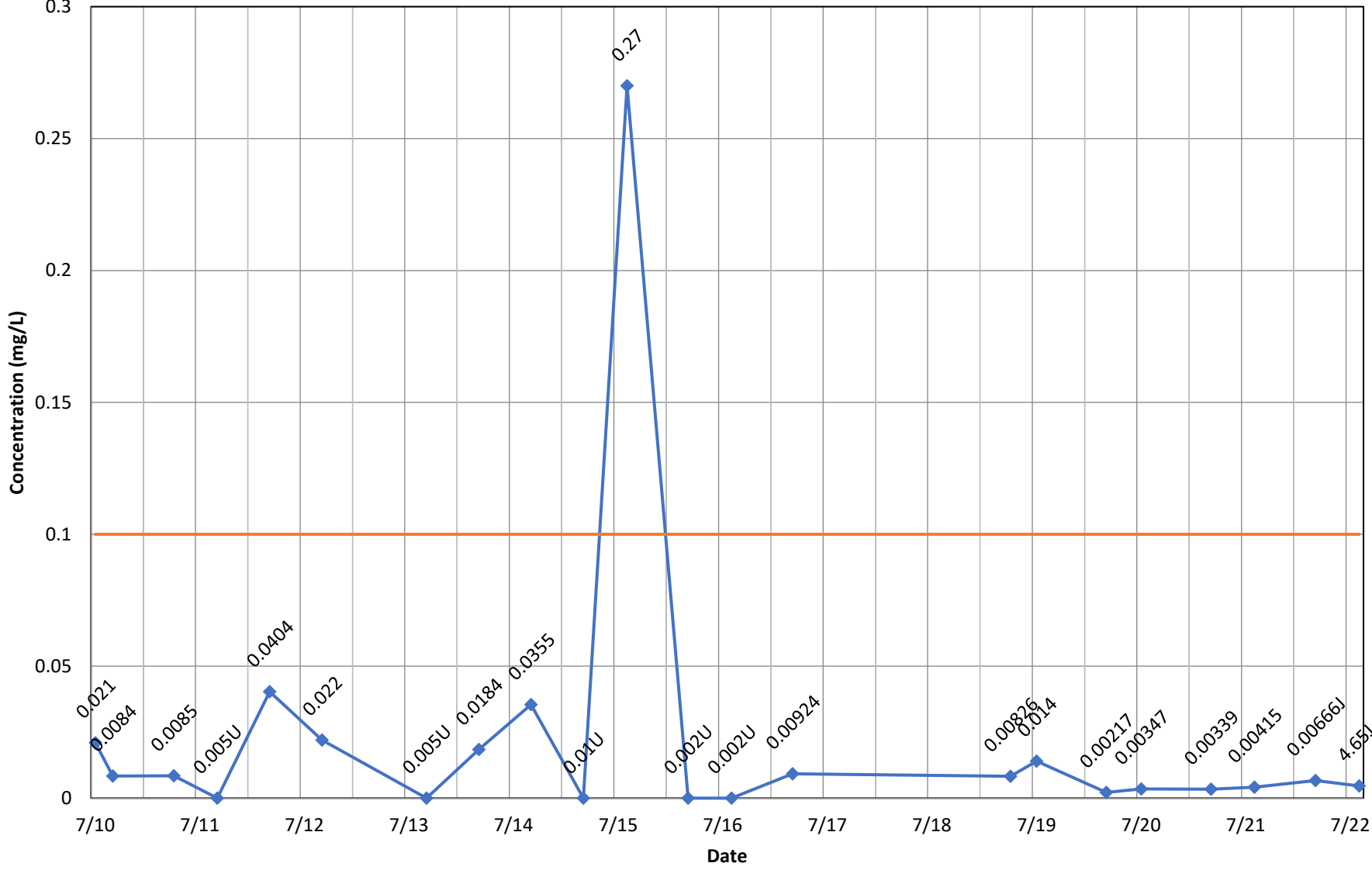
◆ Concentration    — Current\_MCL

### Monitoring Well MW-24B - Benzene



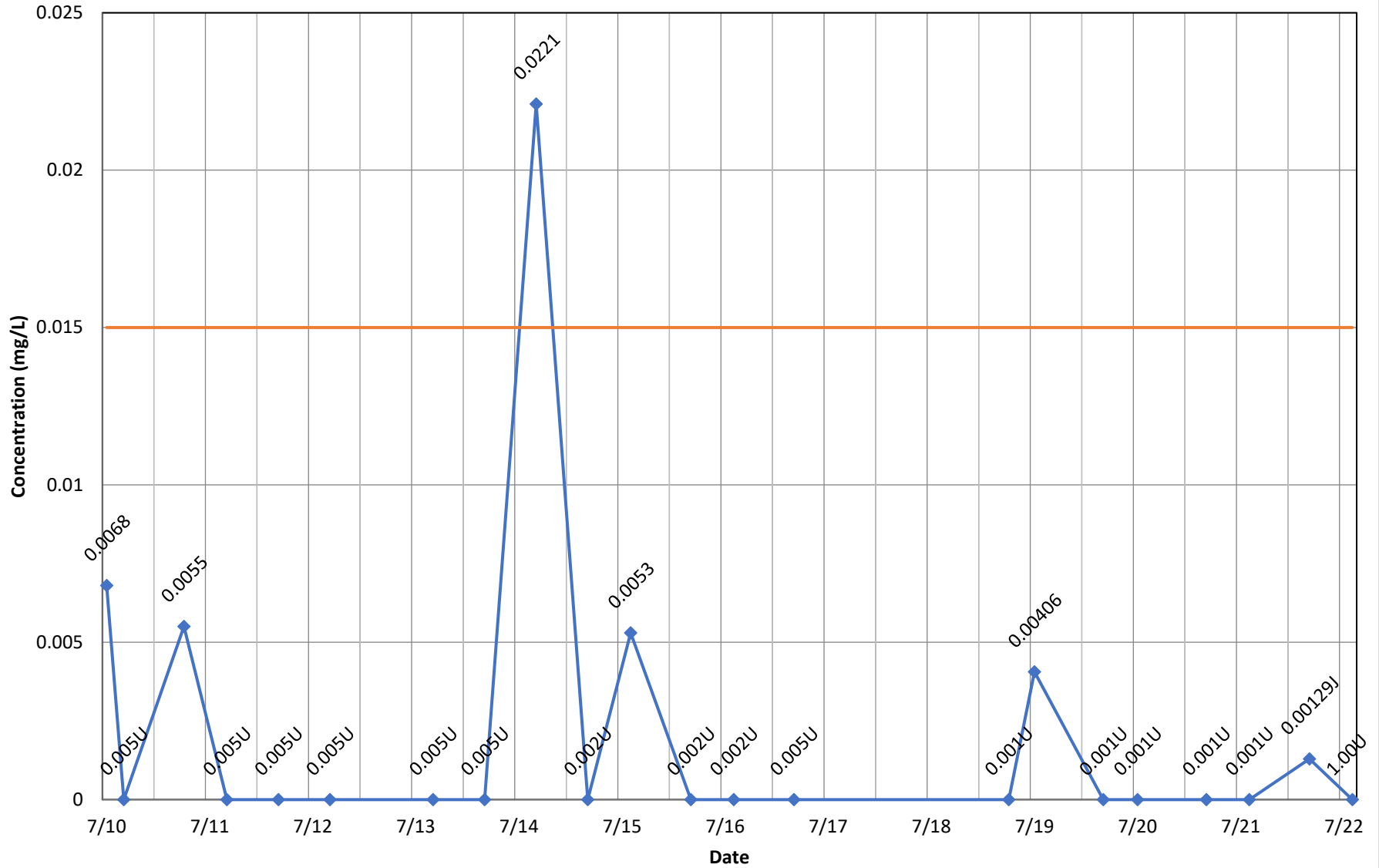
◆ Concentration    — Current\_MCL

### Monitoring Well MW-2A - Chromium, total



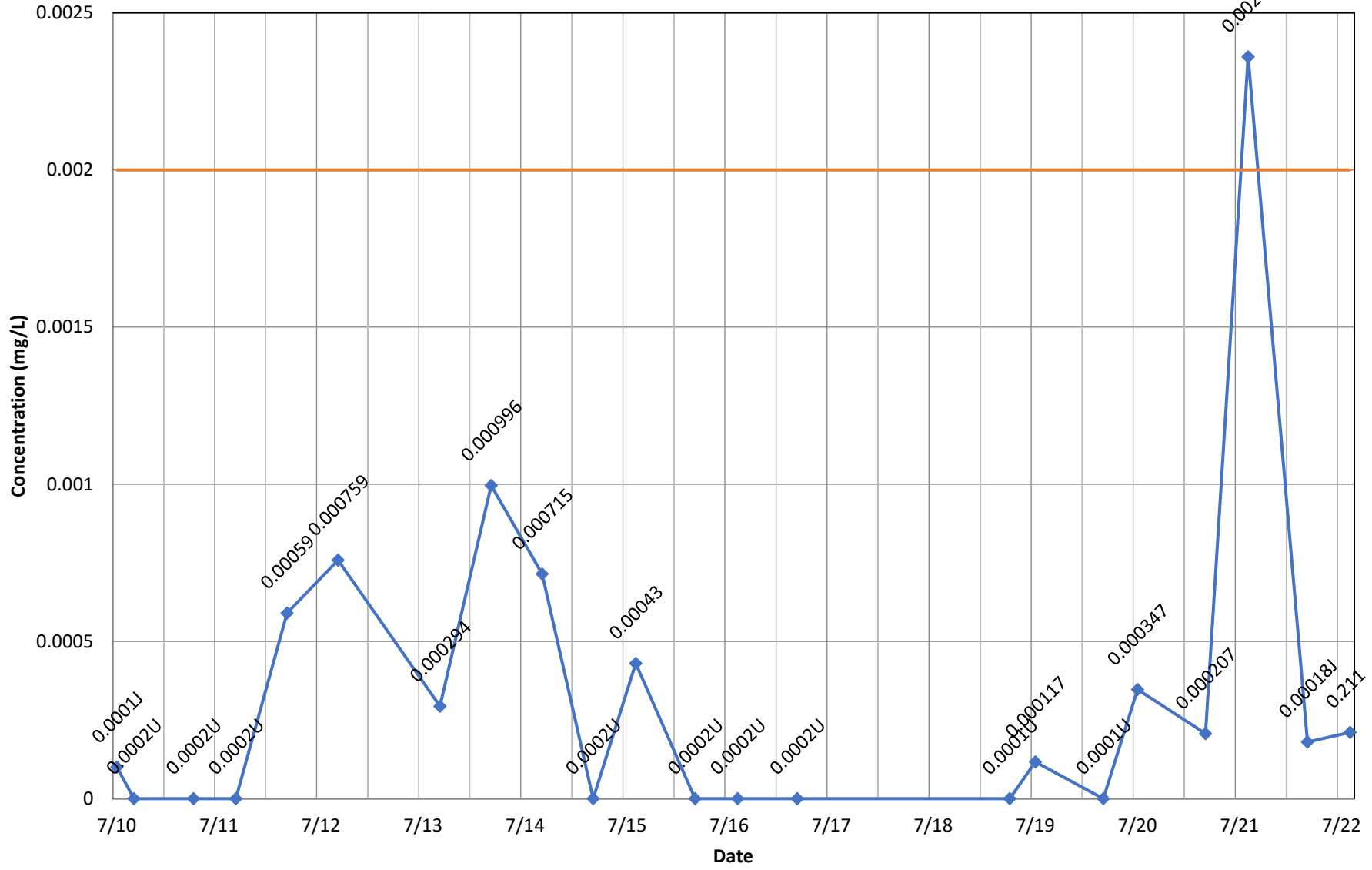
◆ Concentration    — Current\_MCL

# Monitoring Well MW-2A - Lead, total



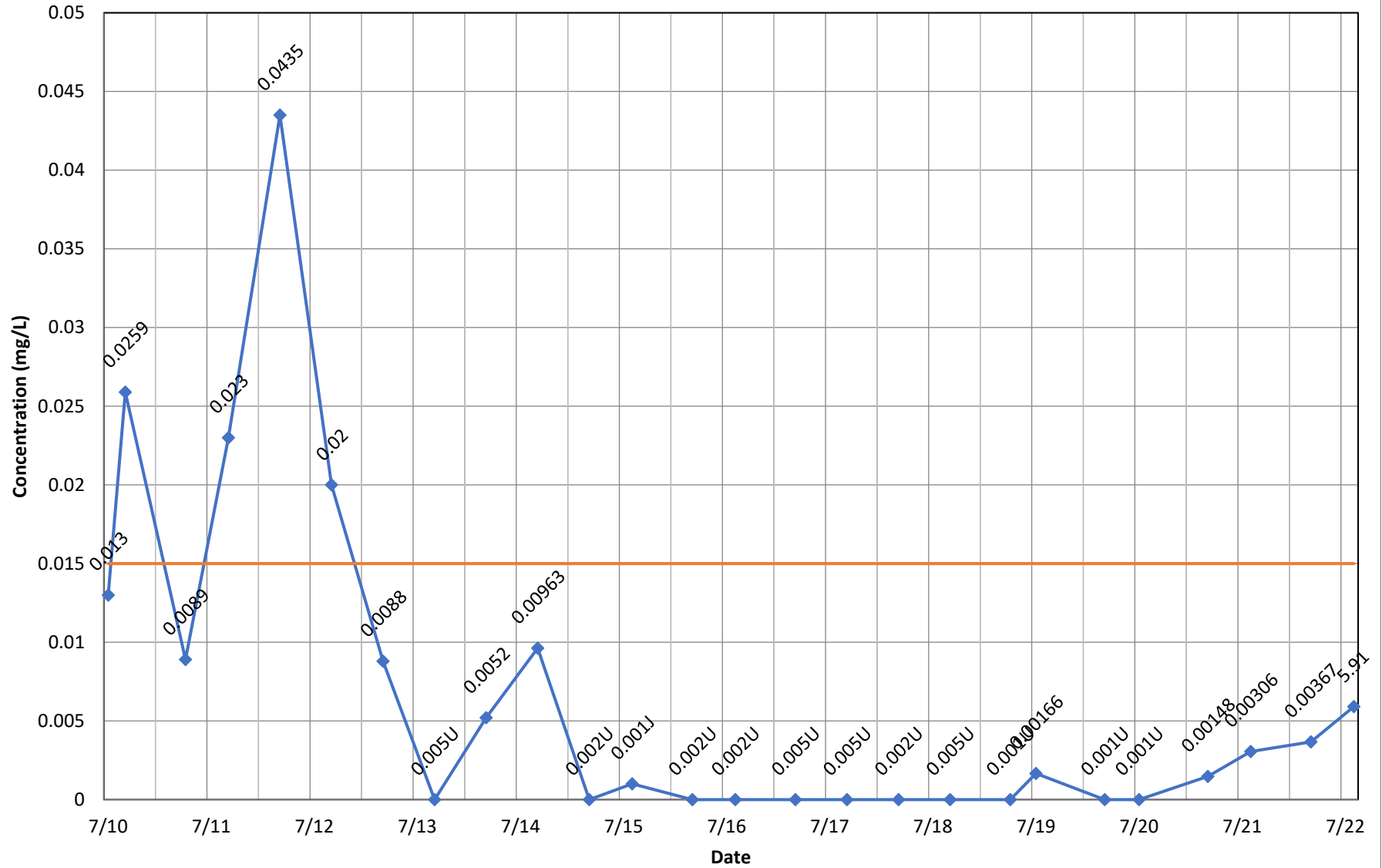
◆ Concentration    — Current\_MCL

# Monitoring Well MW-2A - Mercury, total



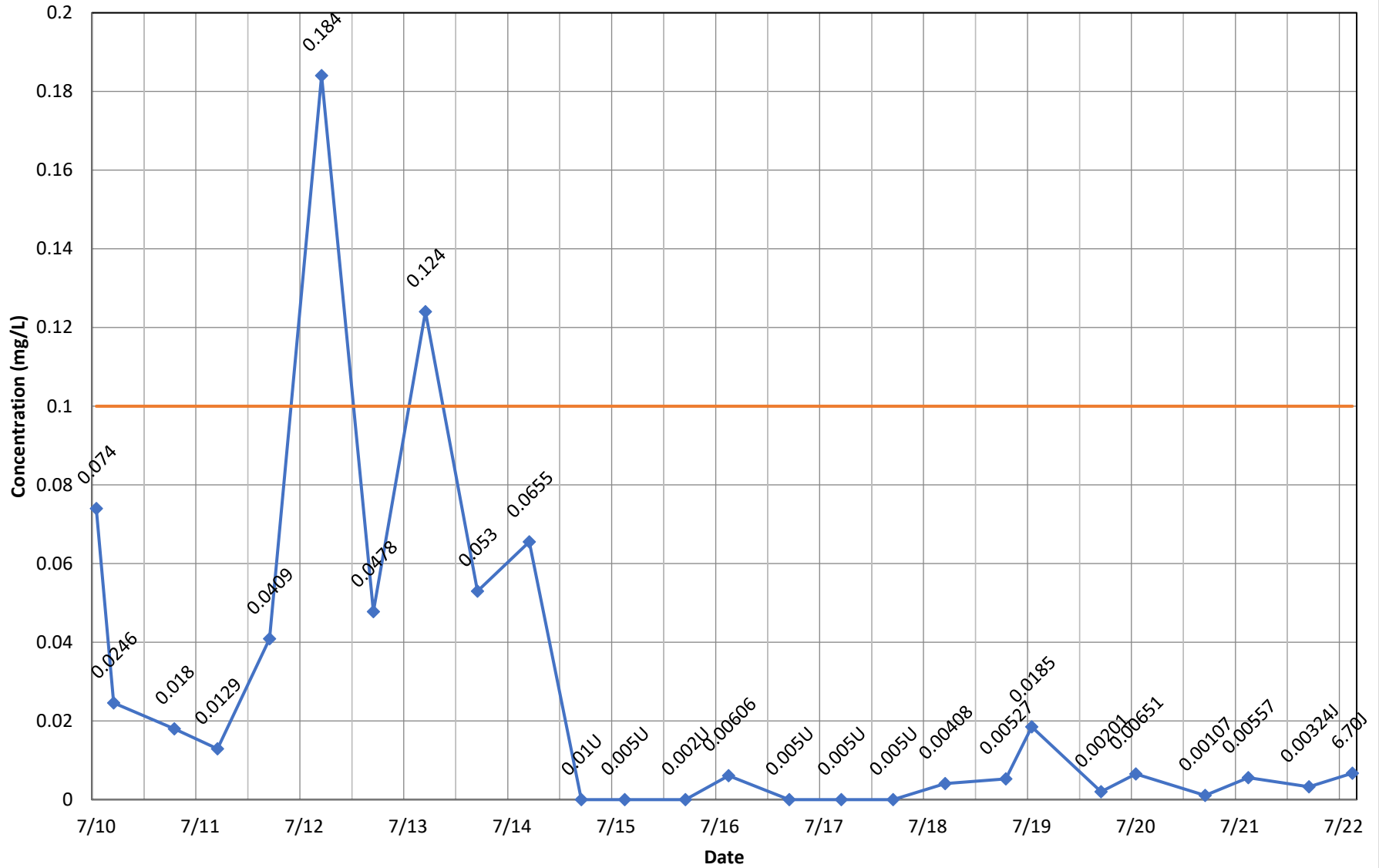
◆ Concentration    — Current\_MCL

# Monitoring Well MW-3A - Lead, total



◆ Concentration    — Current\_MCL

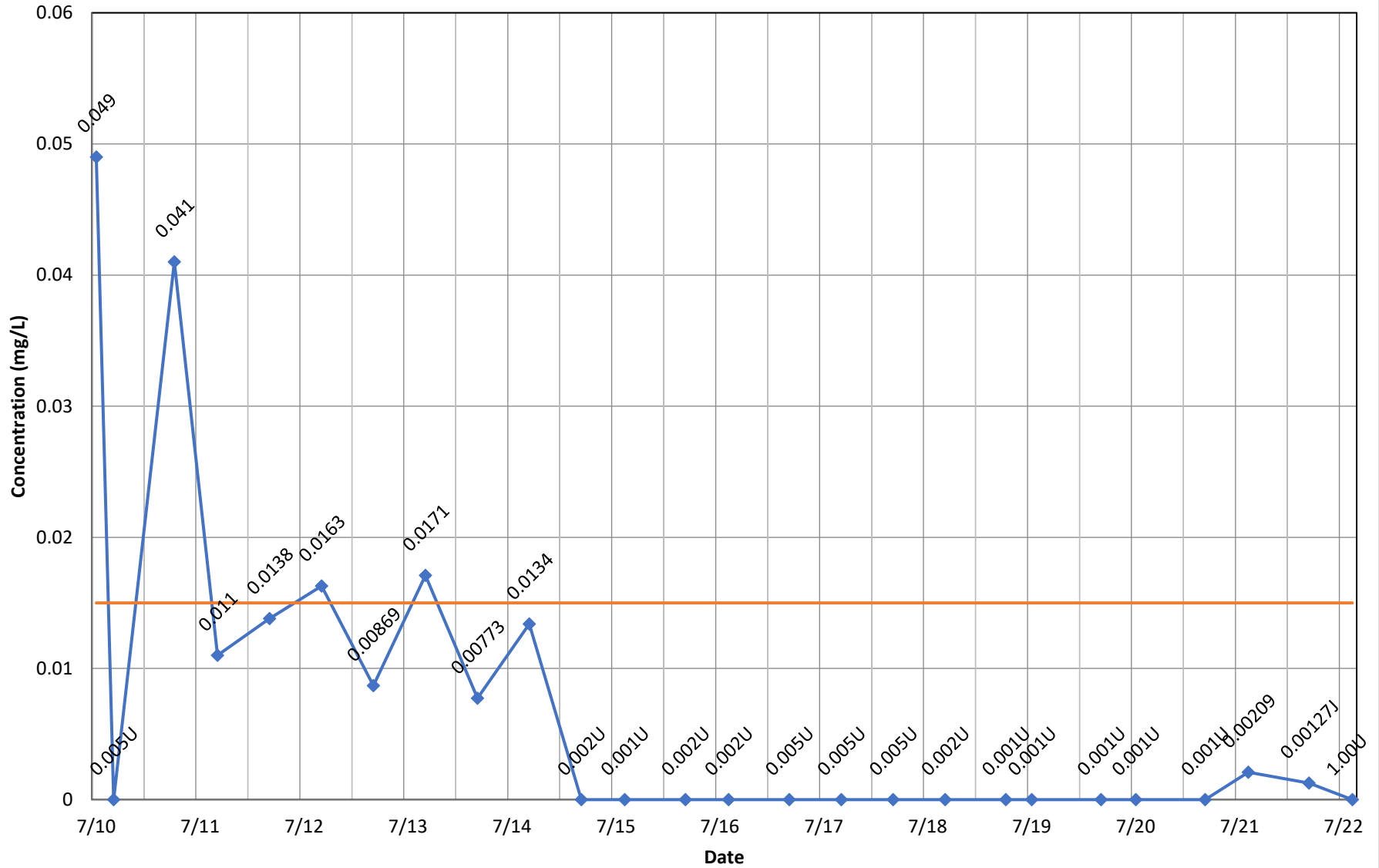
# Monitoring Well MW-3B - Chromium, total



◆ Concentration    — Current\_MCL

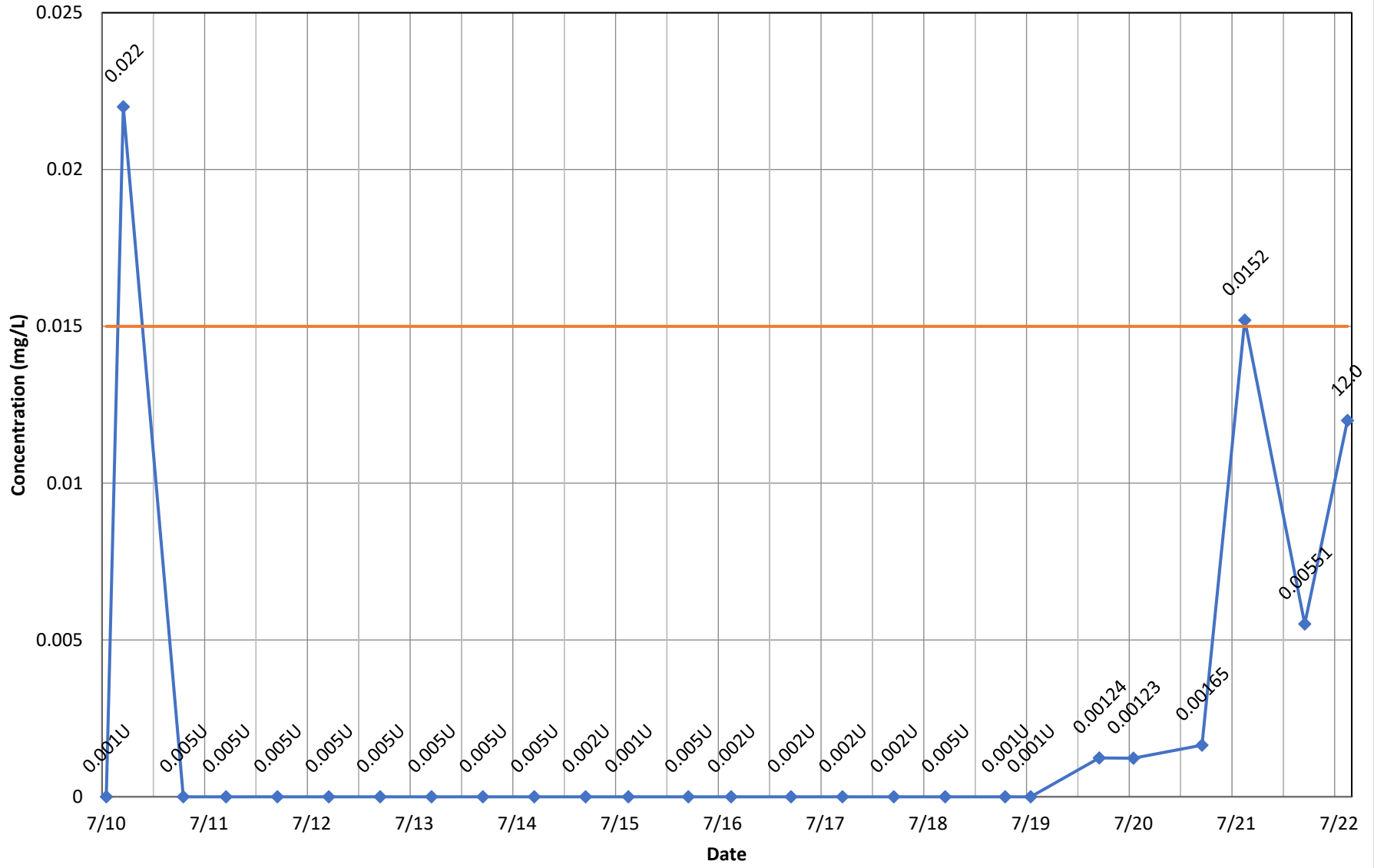


# Monitoring Well MW-3B - Lead, total



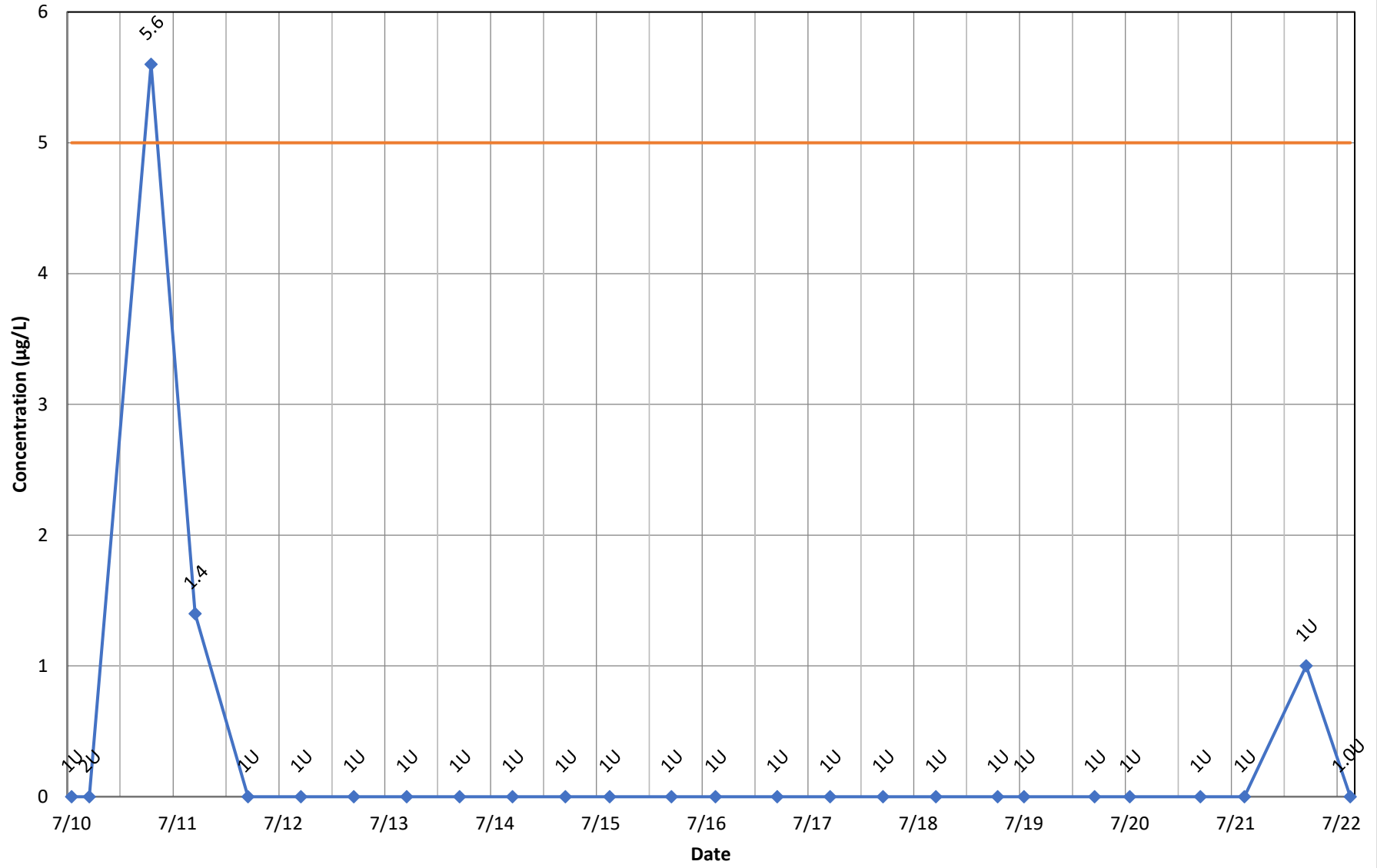
—◆— Concentration    — Current\_MCL

### Monitoring Well MW-4 - Lead, total



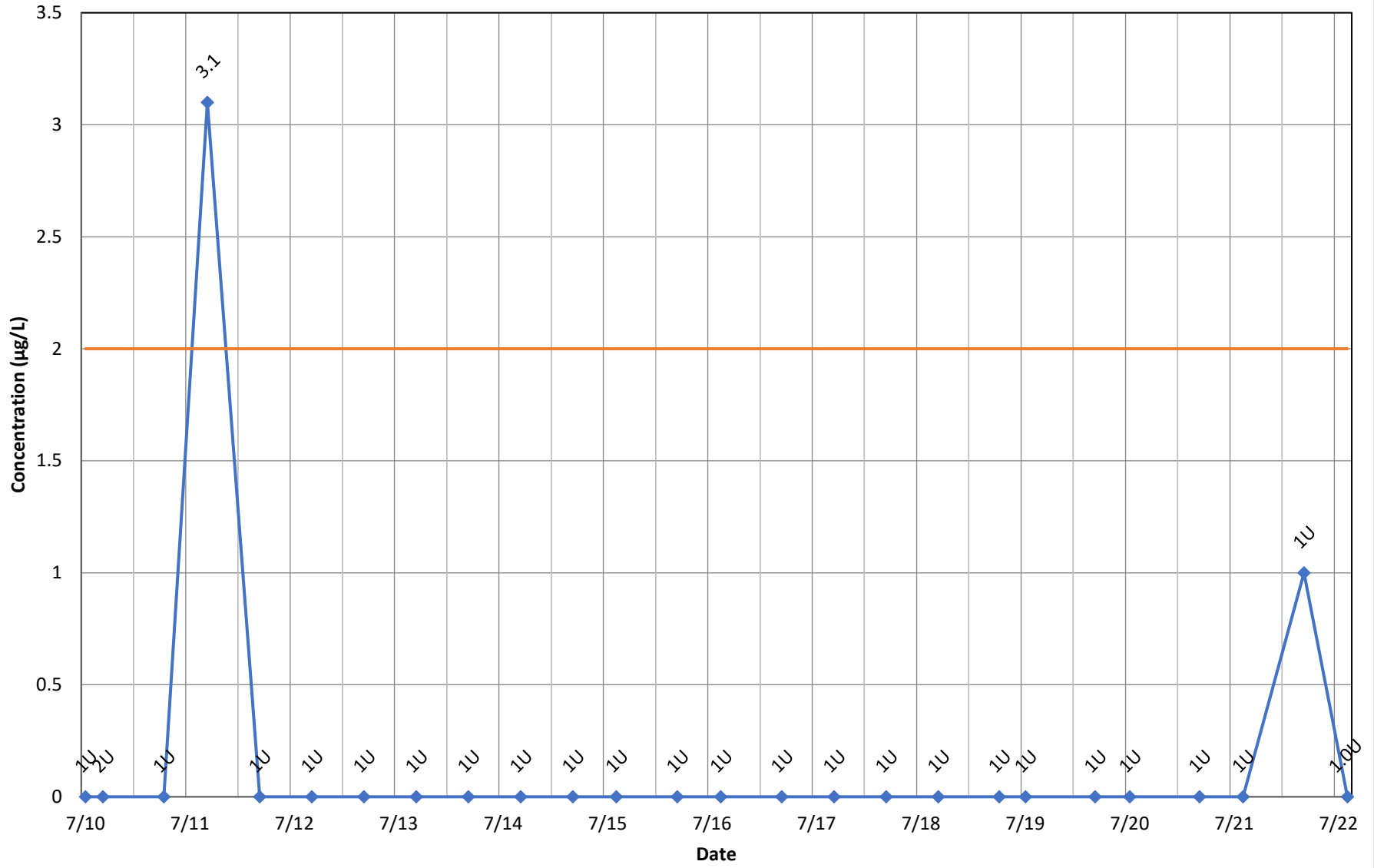
—◆— Concentration    — Current\_MCL

# Monitoring Well MW-4 - Trichloroethene



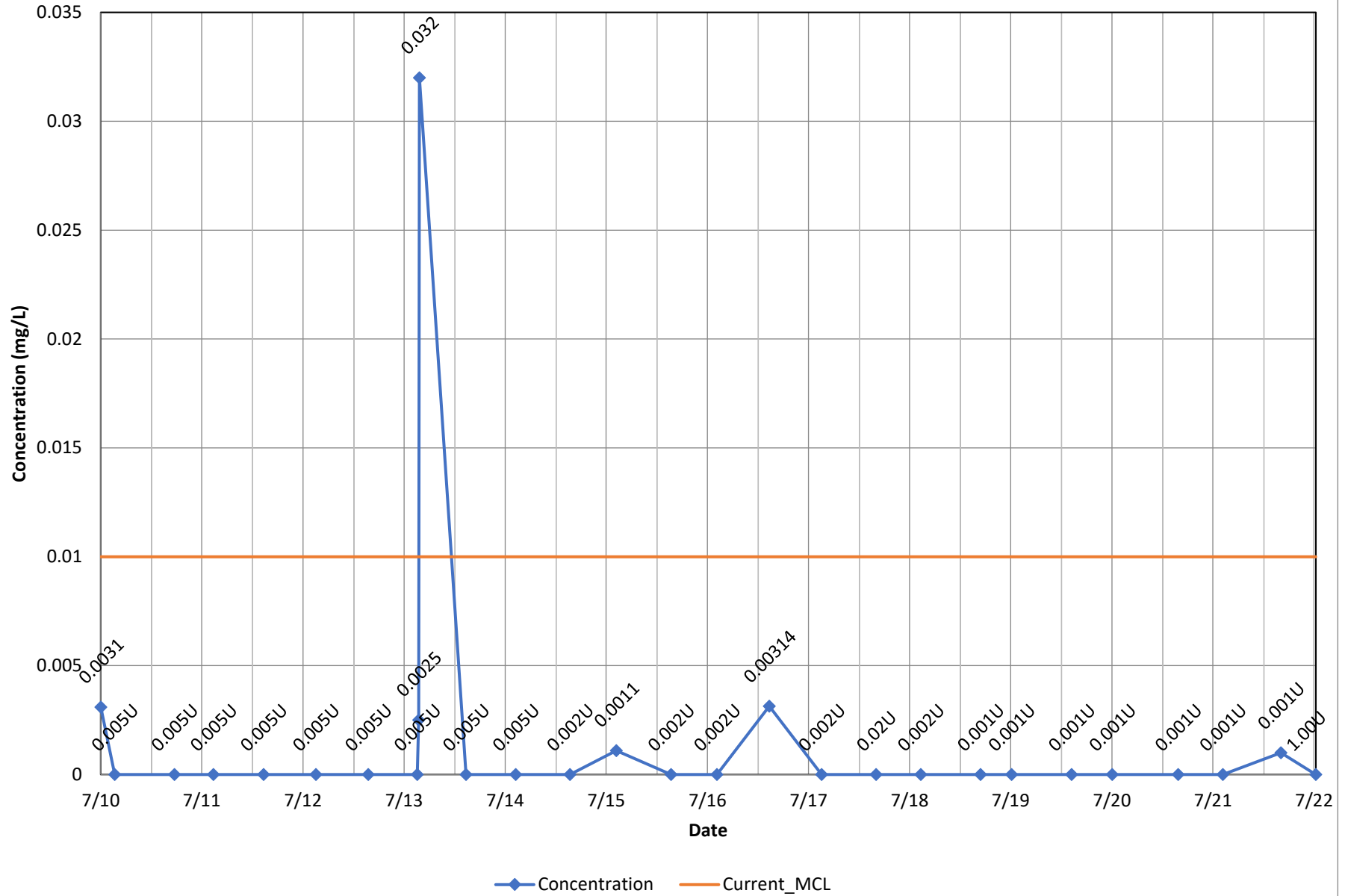
◆ Concentration    — Current\_MCL

# Monitoring Well MW-4 - Vinyl Chloride

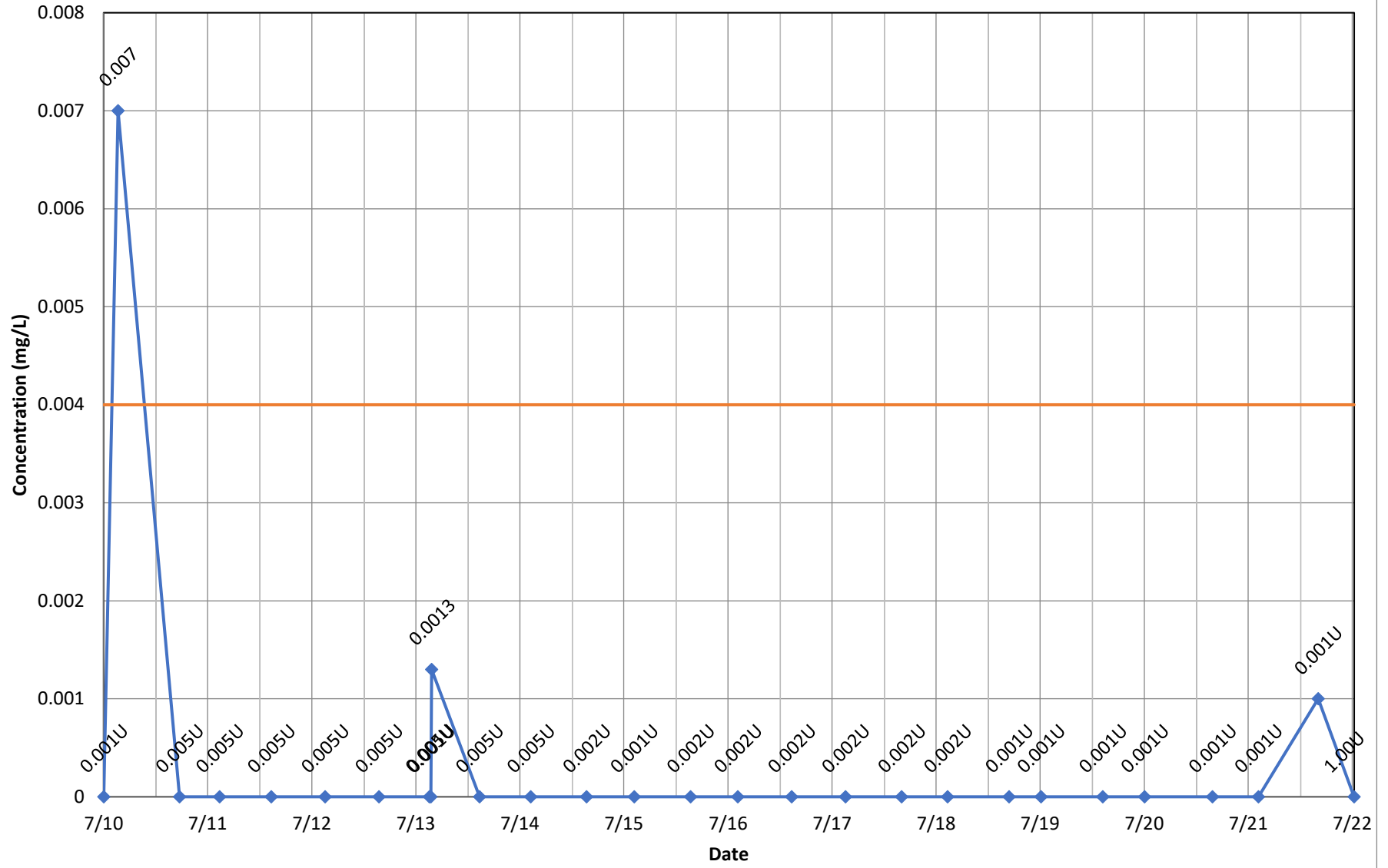


◆ Concentration    — Current\_MCL

### Monitoring Well MW-6 - Arsenic, total

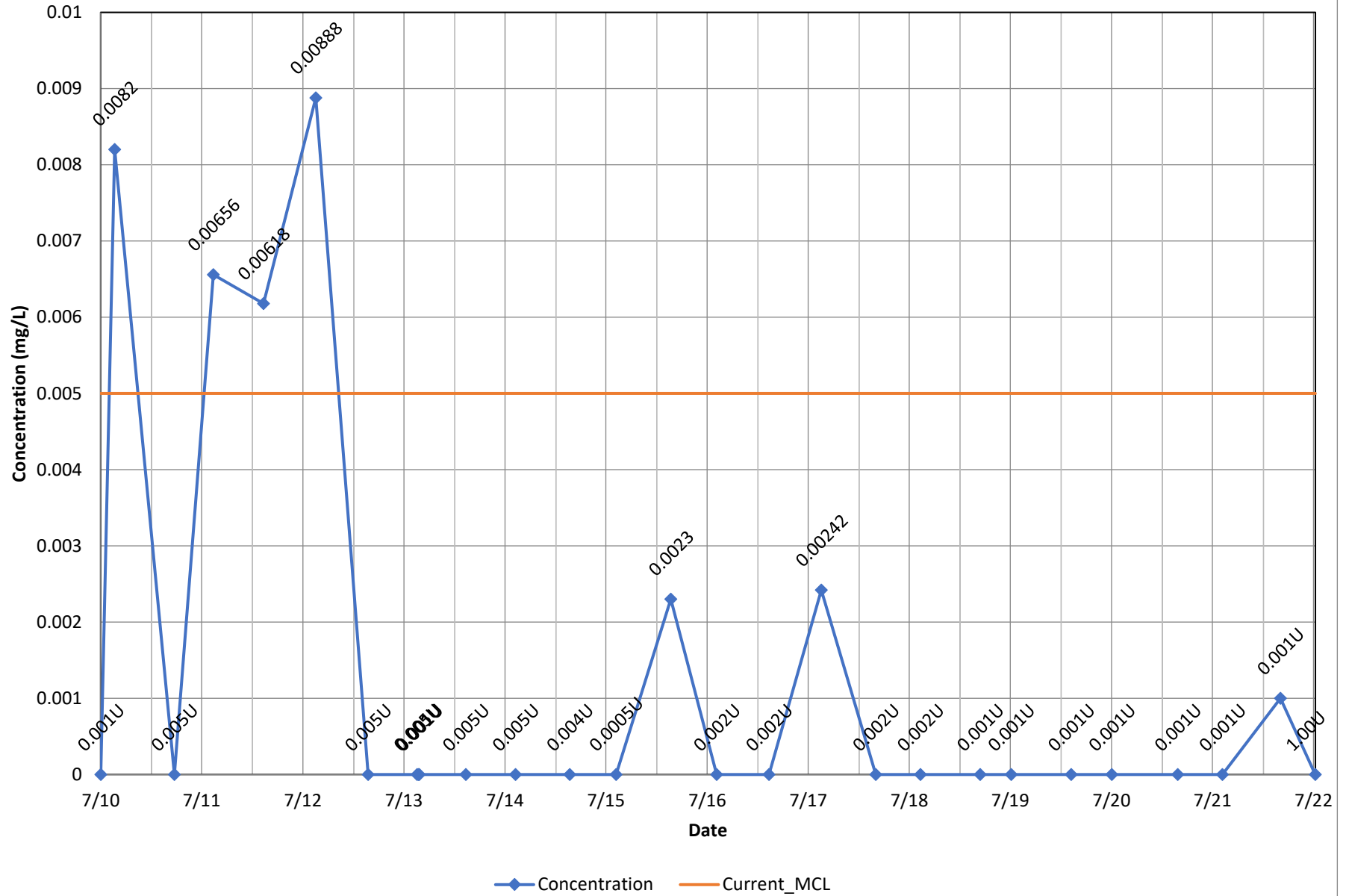


# Monitoring Well MW-6 - Beryllium, total



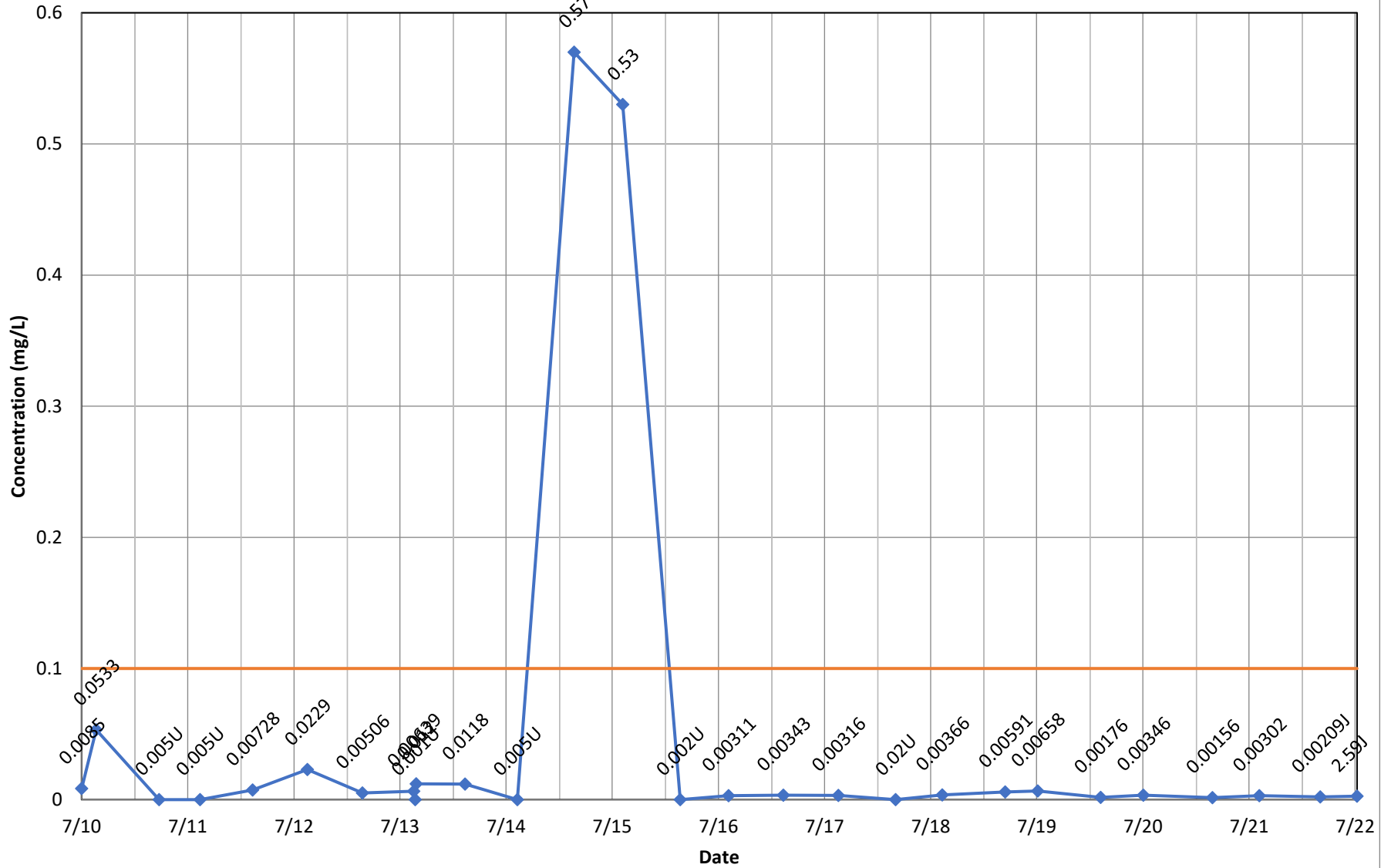
◆ Concentration    — Current\_MCL

# Monitoring Well MW-6 - Cadmium, total



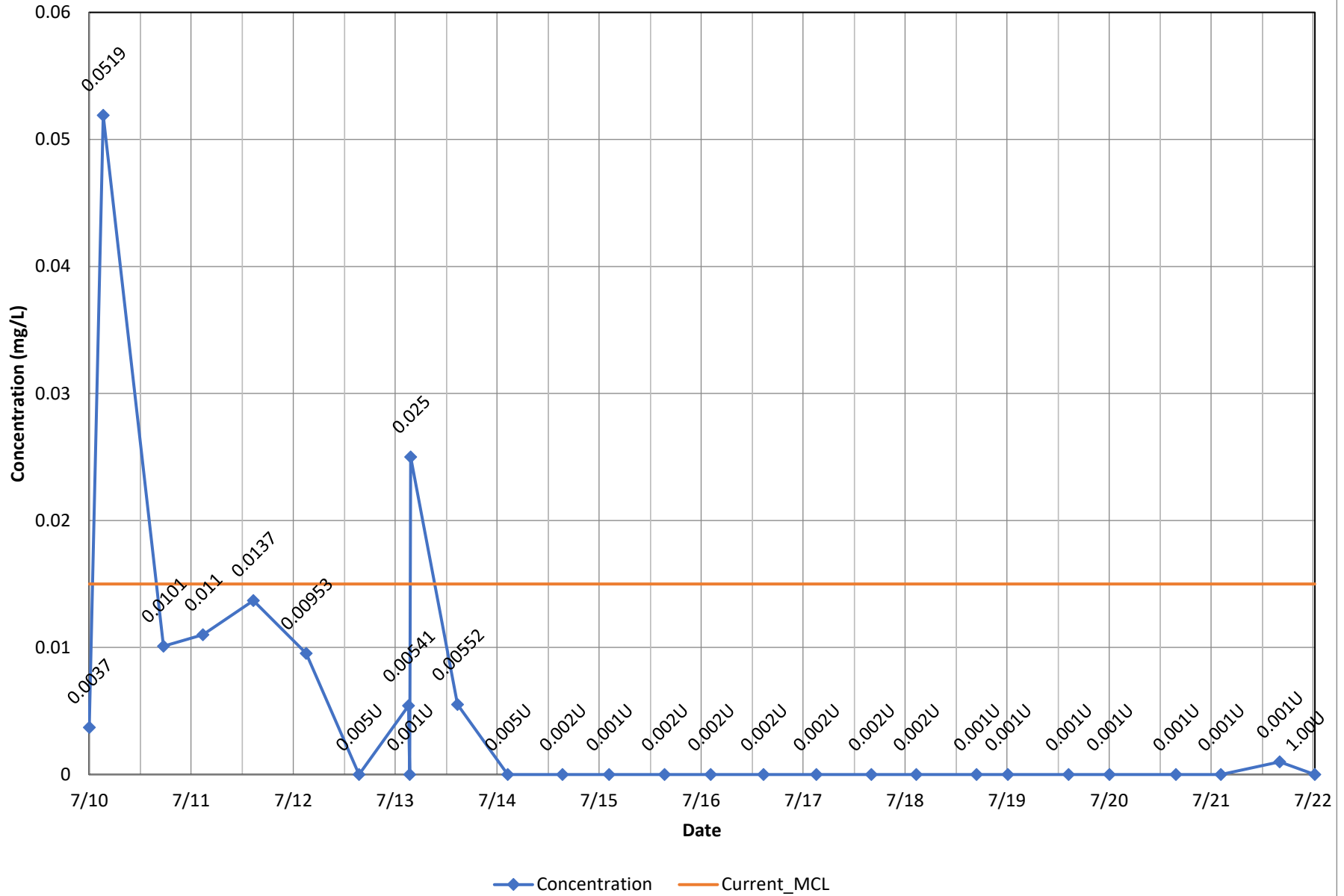


### Monitoring Well MW-6 - Chromium, total

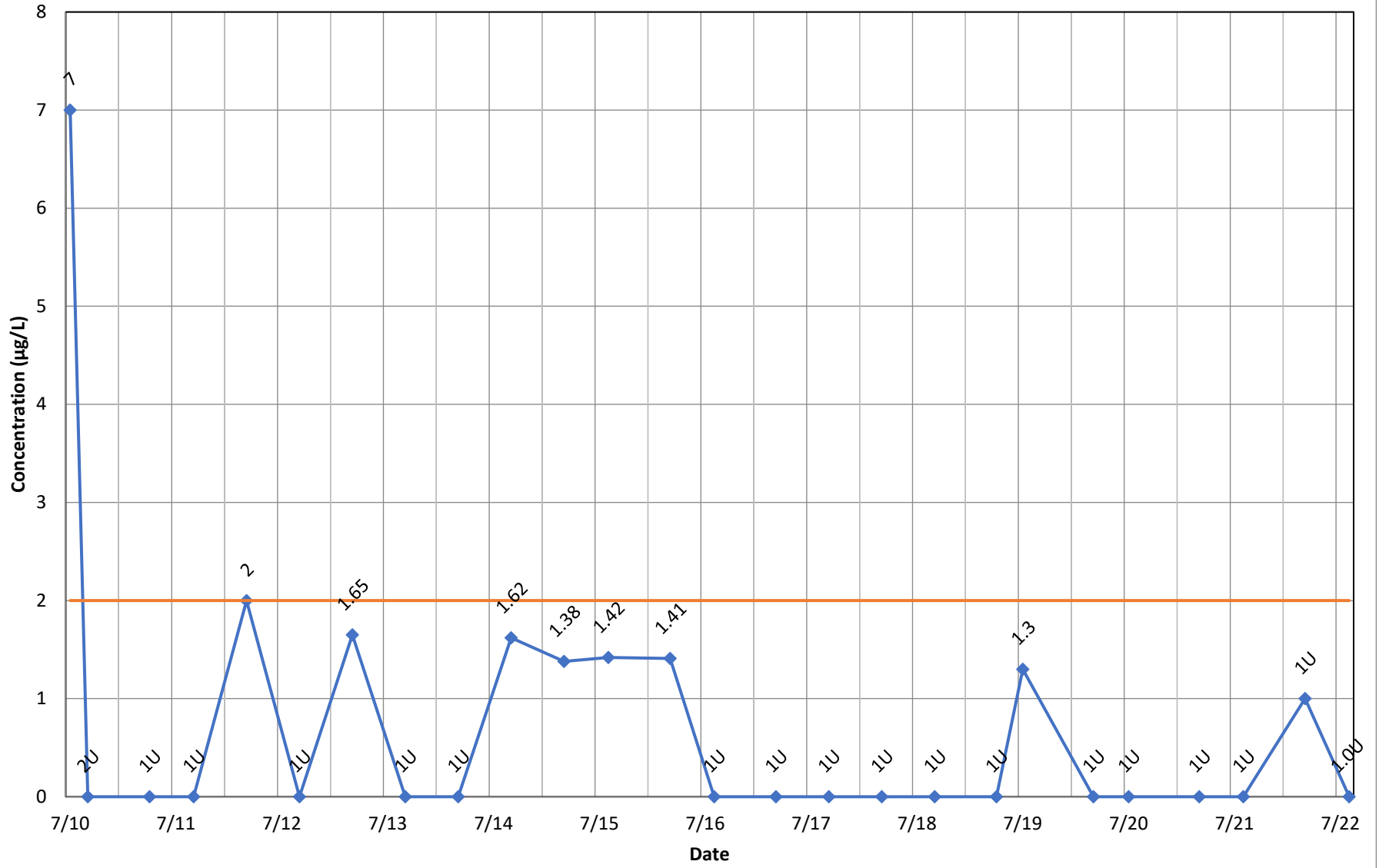


◆ Concentration    — Current\_MCL

# Monitoring Well MW-6 - Lead, total

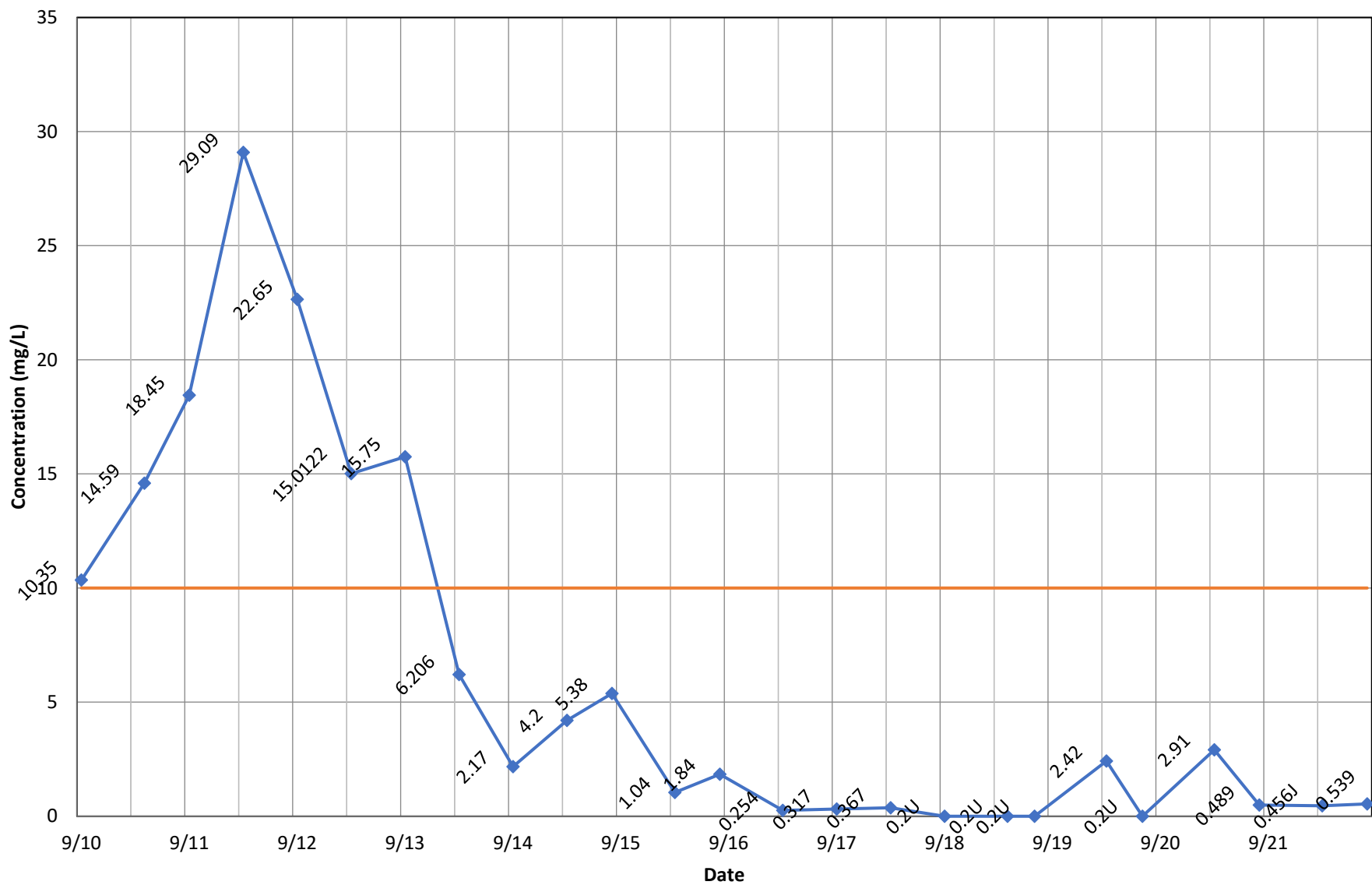


# Monitoring Well MW-6 - Vinyl Chloride



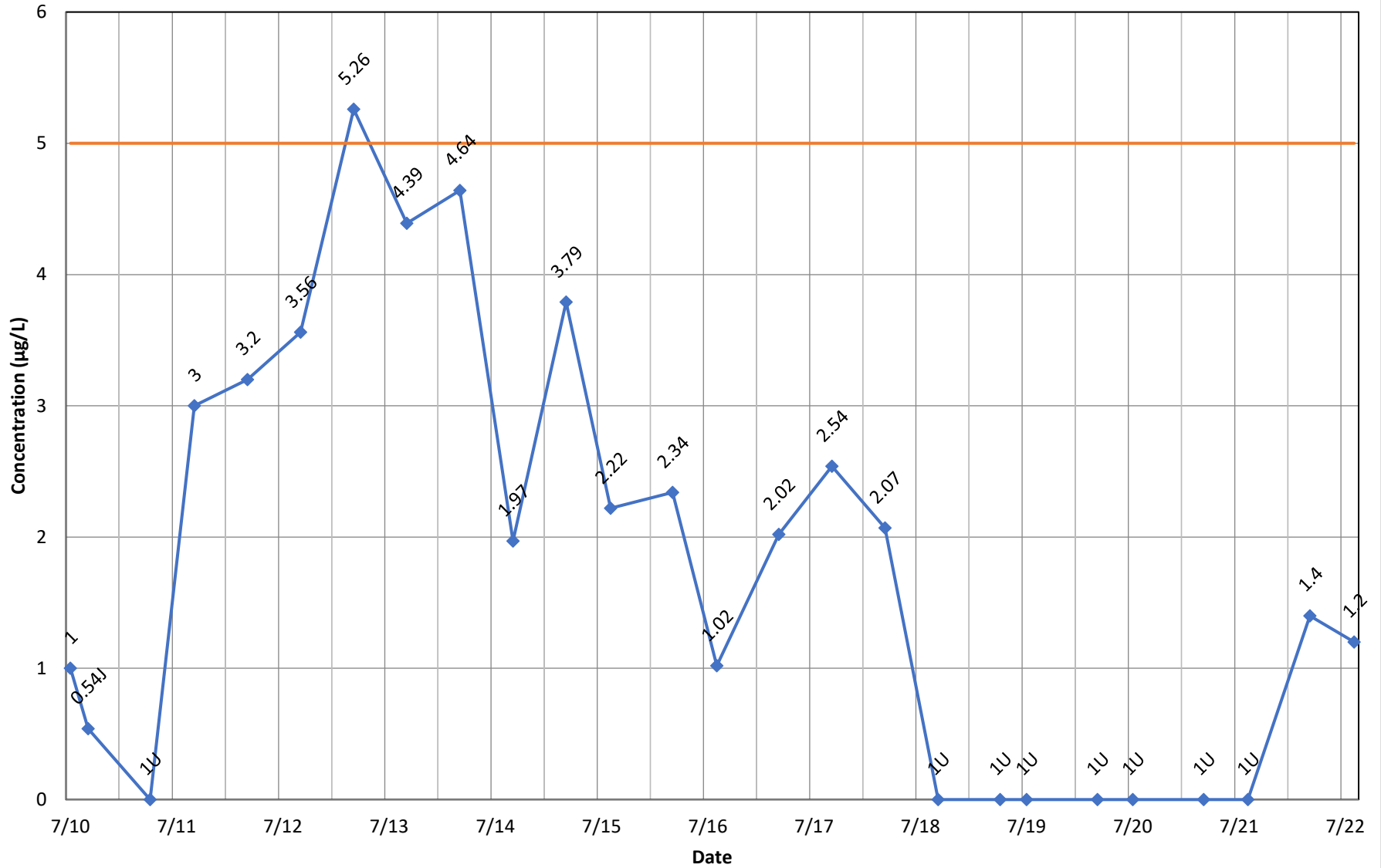
◆ Concentration    — Current\_MCL

### Monitoring Well MW-7 - Nitrate



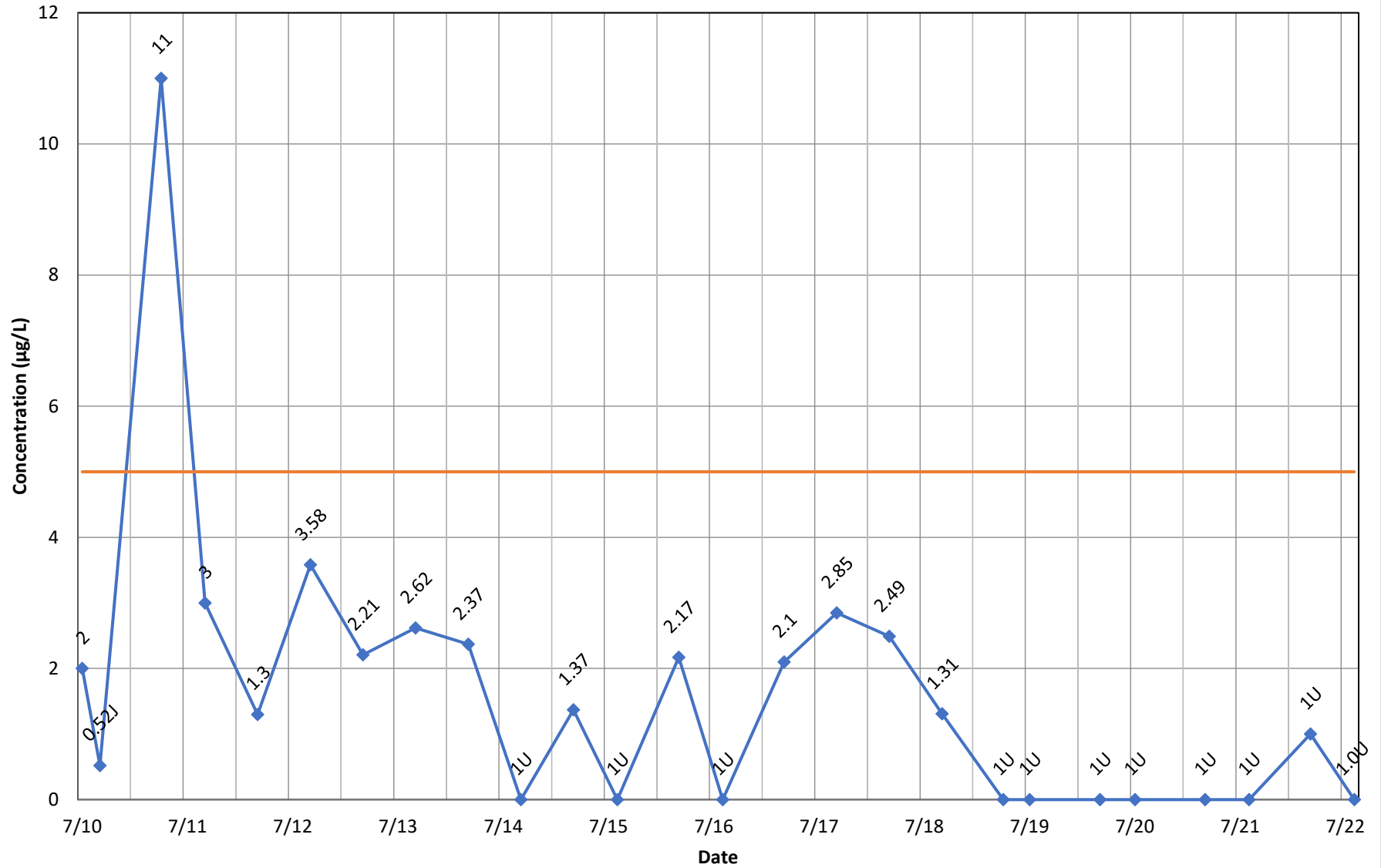
◆ Concentration    — Current\_MCL

# Monitoring Well MW-7 - Tetrachloroethene



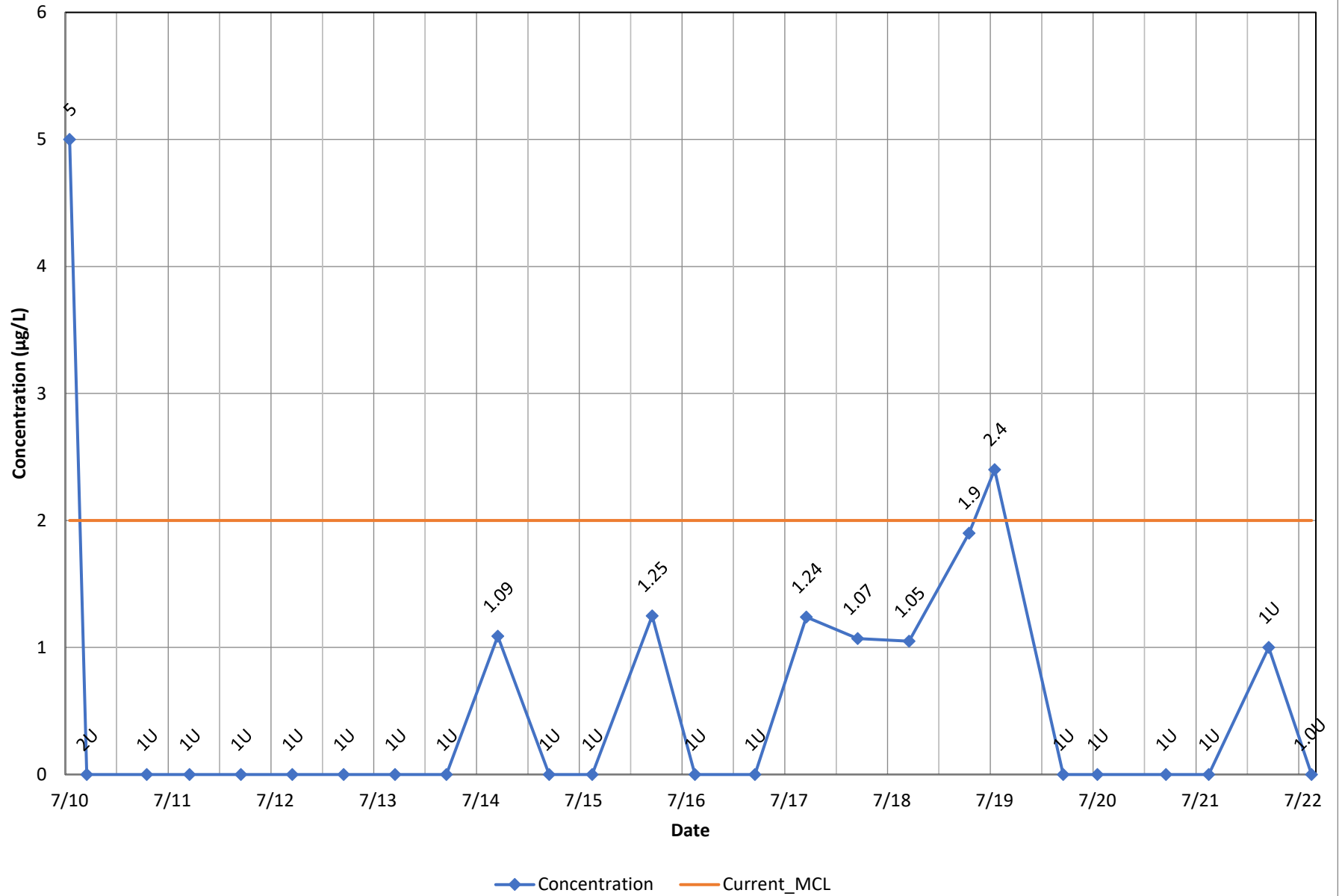
◆ Concentration    — Current\_MCL

# Monitoring Well MW-7 - Trichloroethene

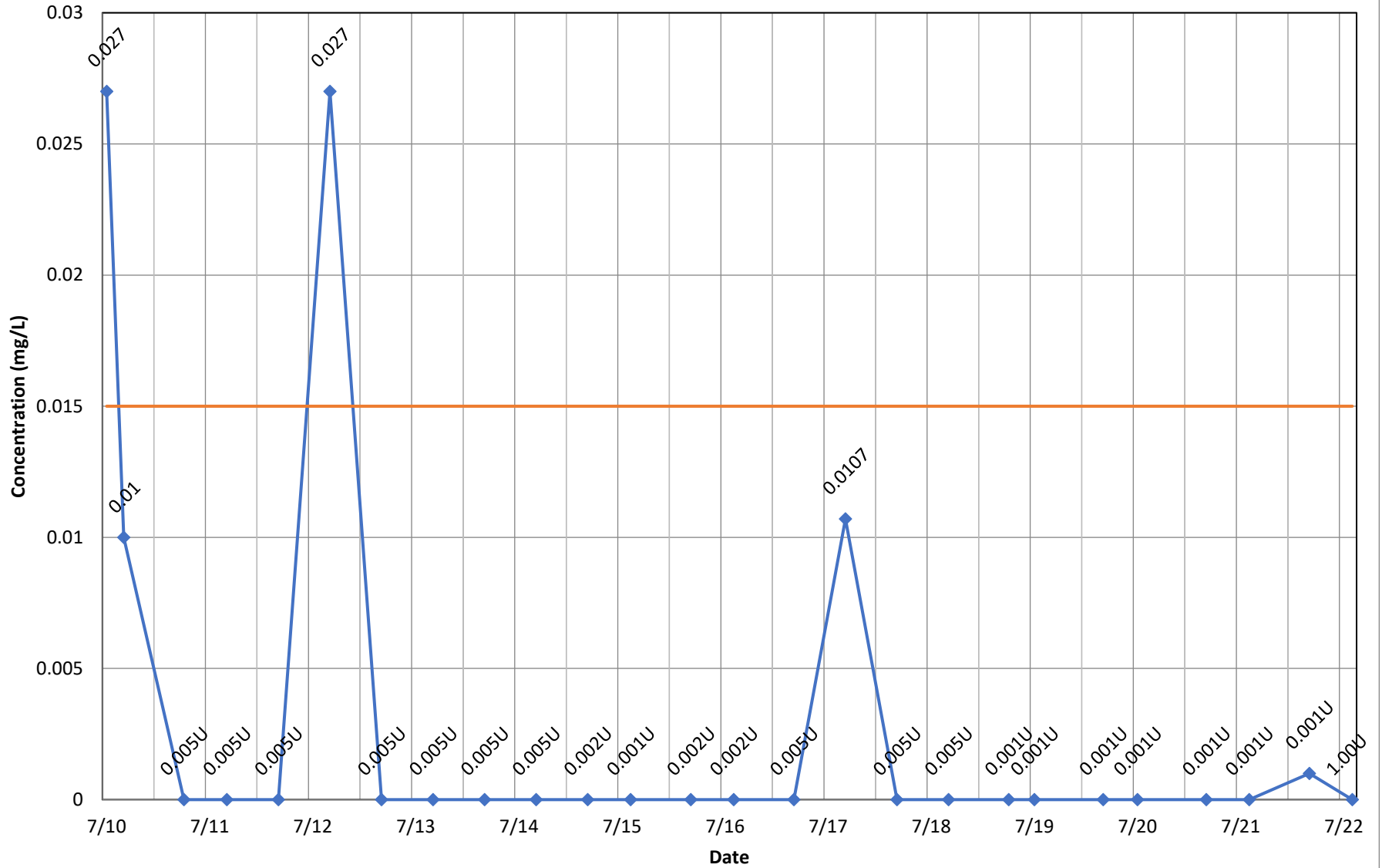


◆ Concentration    — Current\_MCL

# Monitoring Well MW-7 - Vinyl Chloride



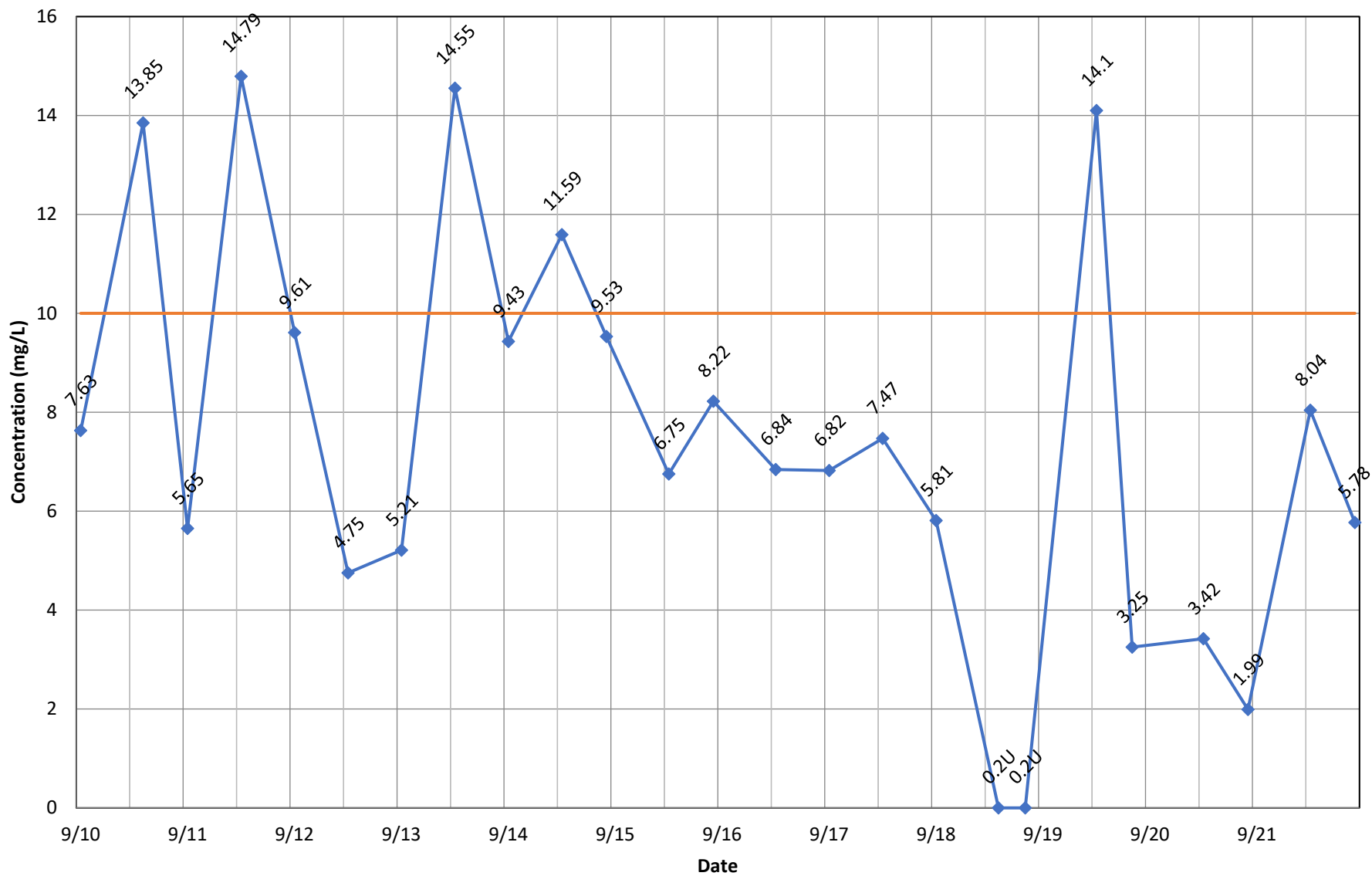
### Monitoring Well MW-8 - Lead, total



◆ Concentration    — Current\_MCL



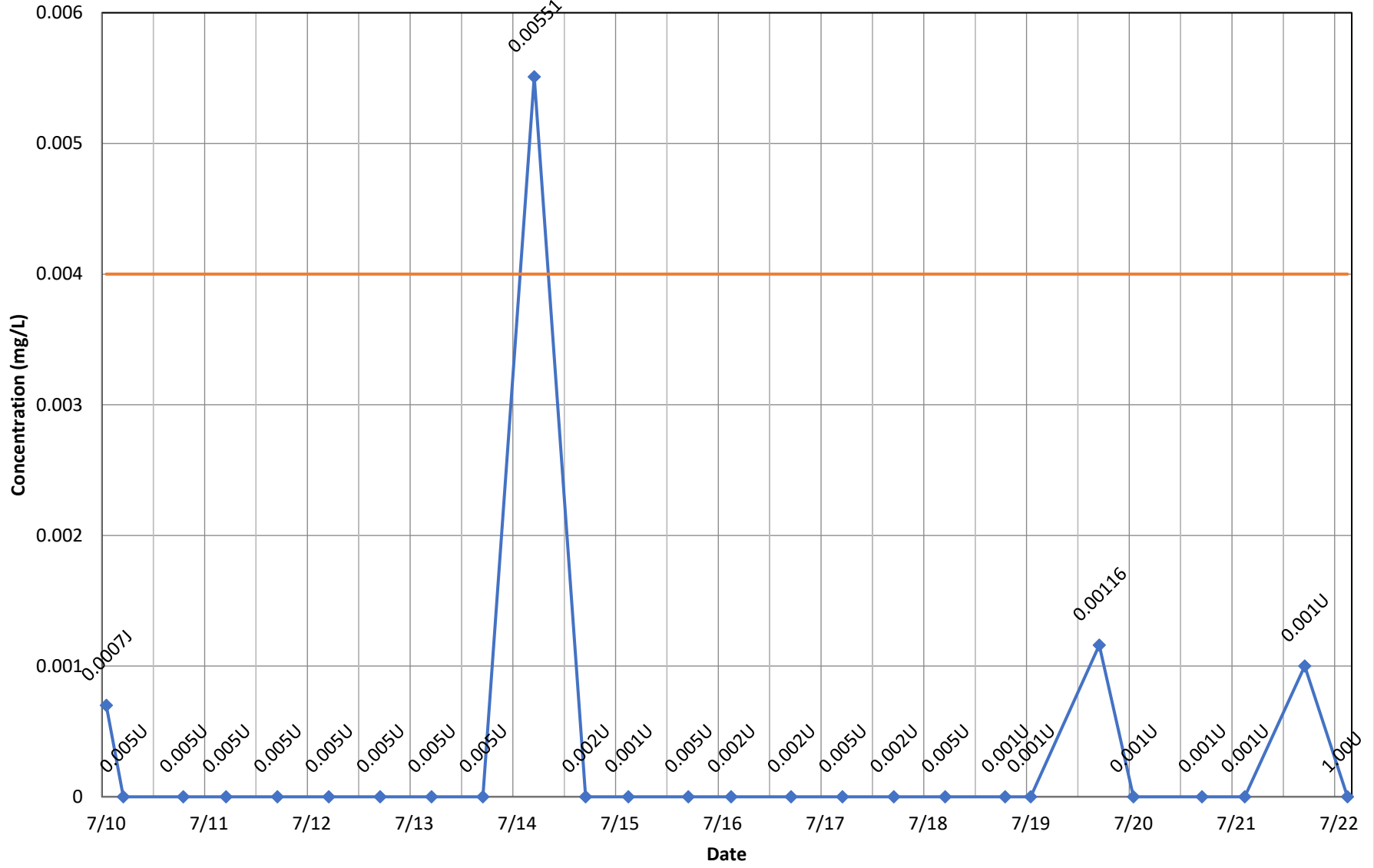
### Monitoring Well MW-8 - Nitrate



◆ Concentration    — Current\_MCL

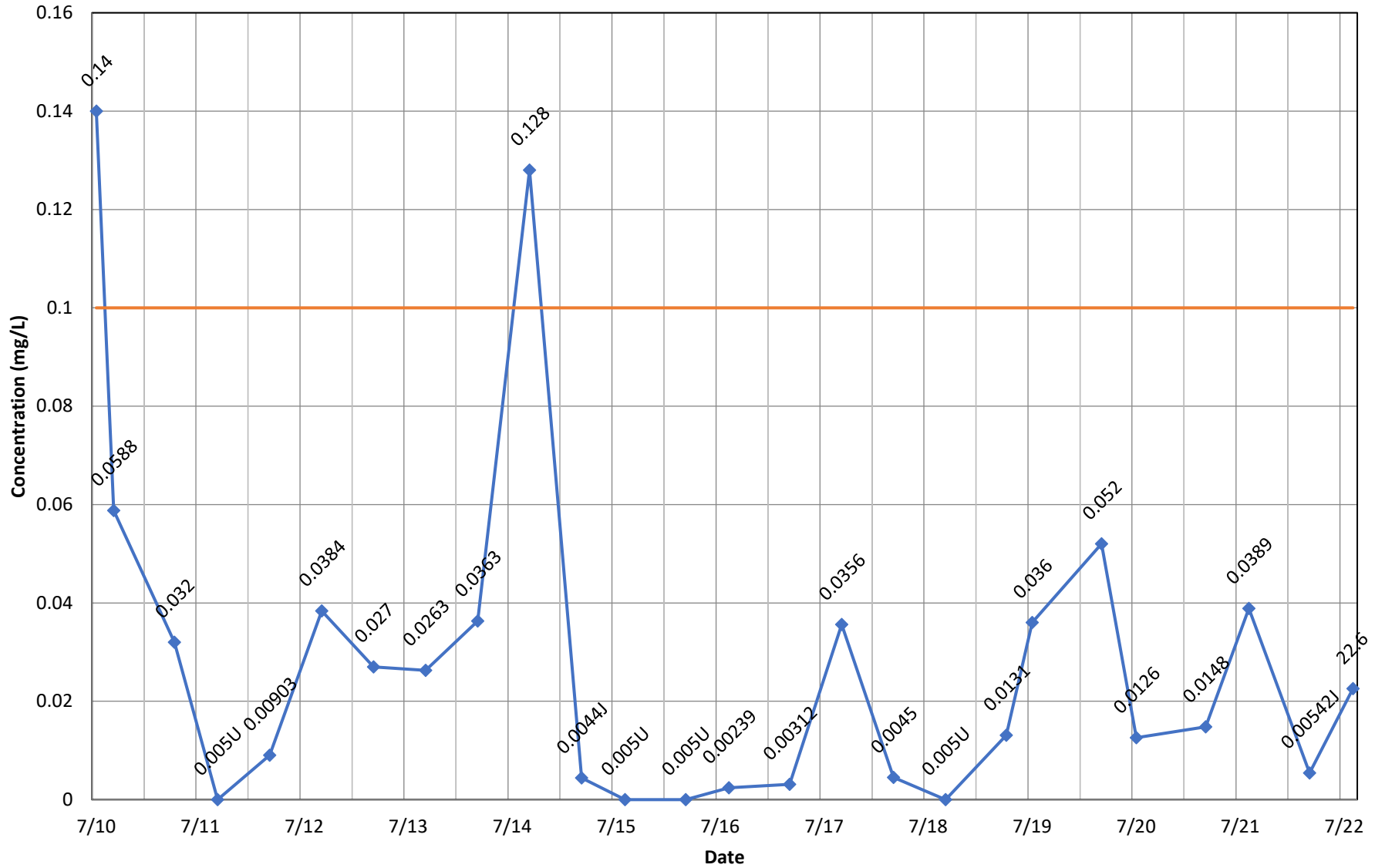


# Monitoring Well MW-9 - Beryllium, total



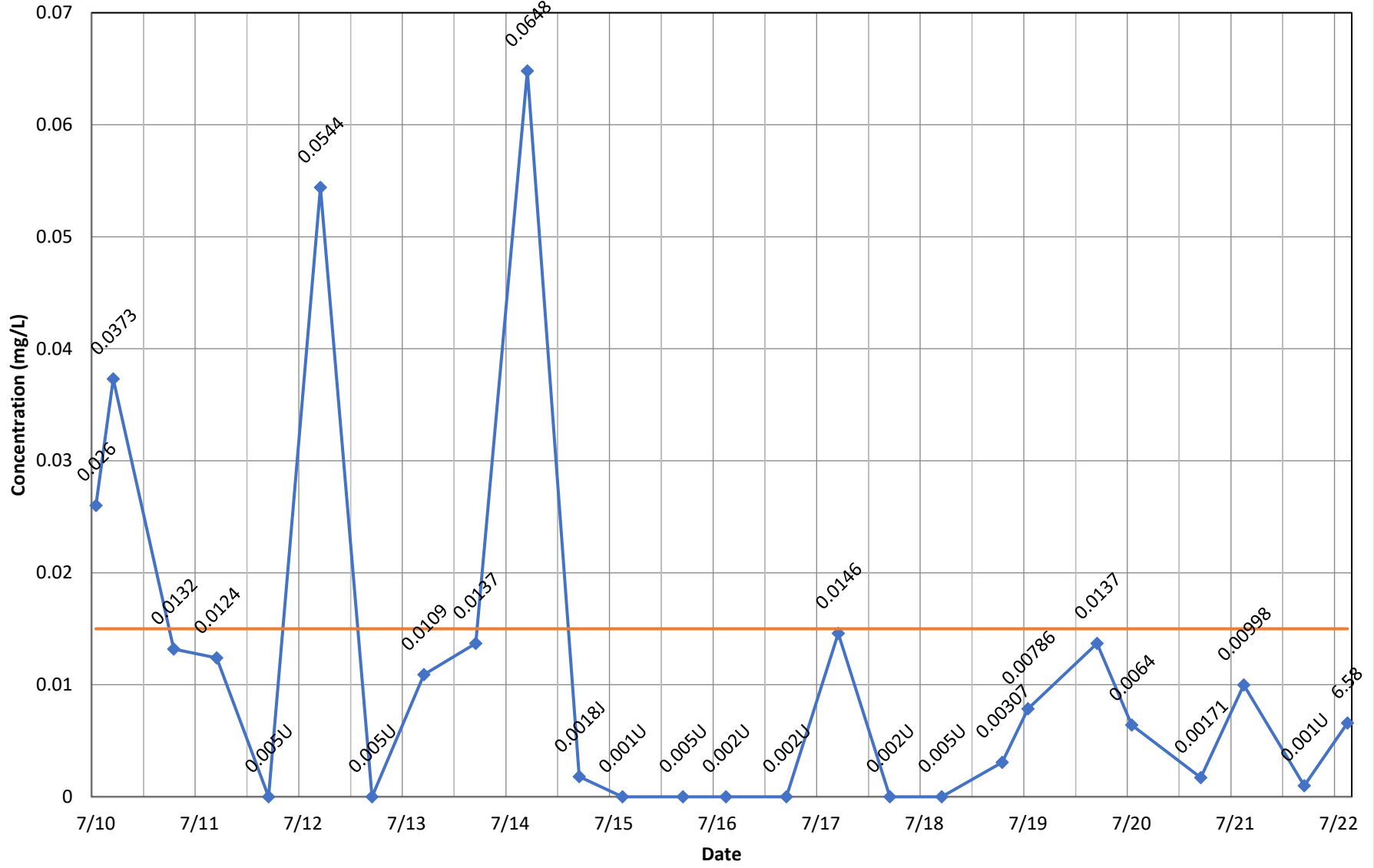
◆ Concentration    — Current\_MCL

# Monitoring Well MW-9 - Chromium, total



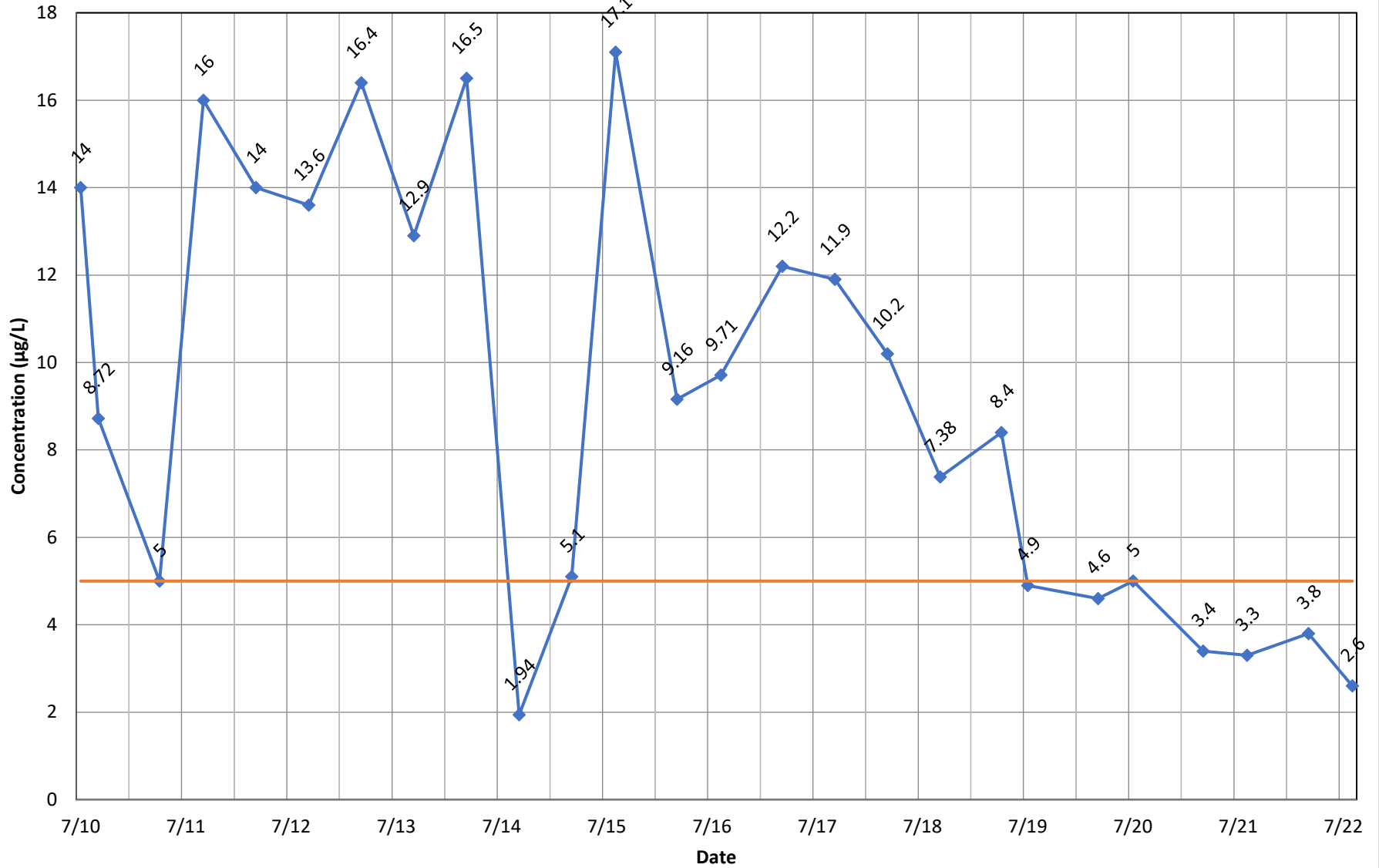
◆ Concentration    — Current\_MCL

# Monitoring Well MW-9 - Lead, total



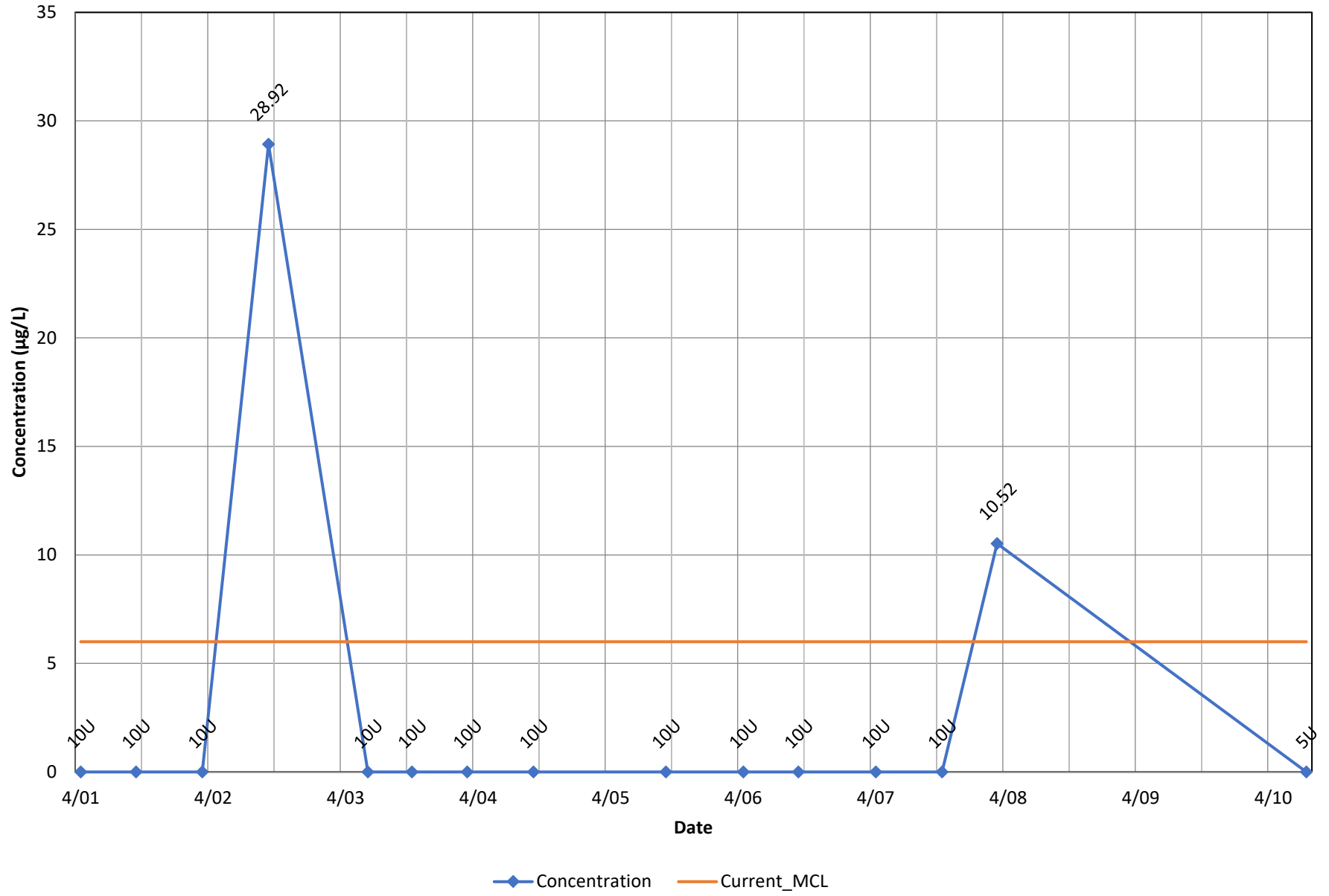
◆ Concentration    — Current\_MCL

# Monitoring Well MW-9 - Tetrachloroethene

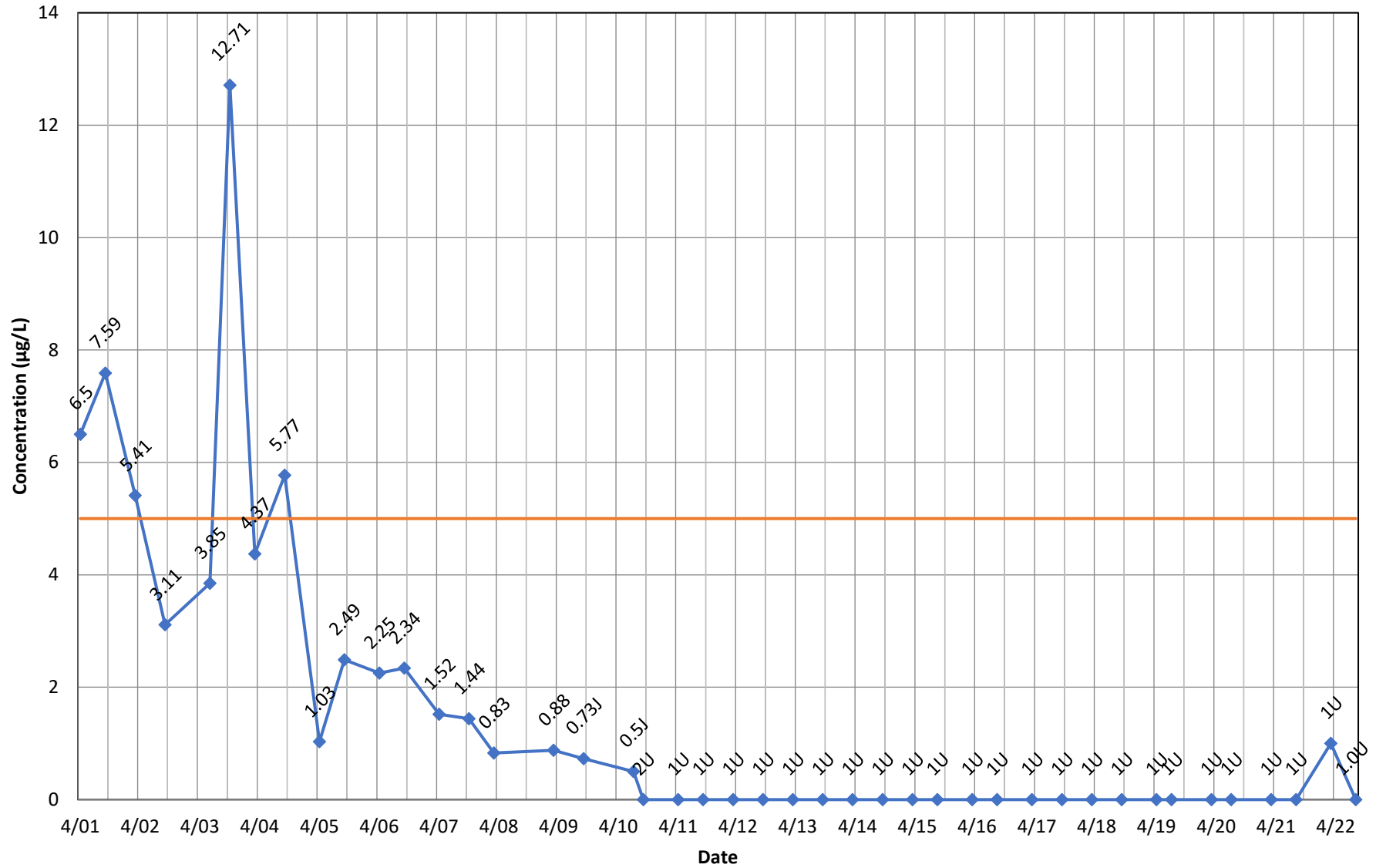


◆ Concentration    — Current\_MCL

# Monitoring Well OB01 - Bis(2-Ethylhexyl) Phthalate



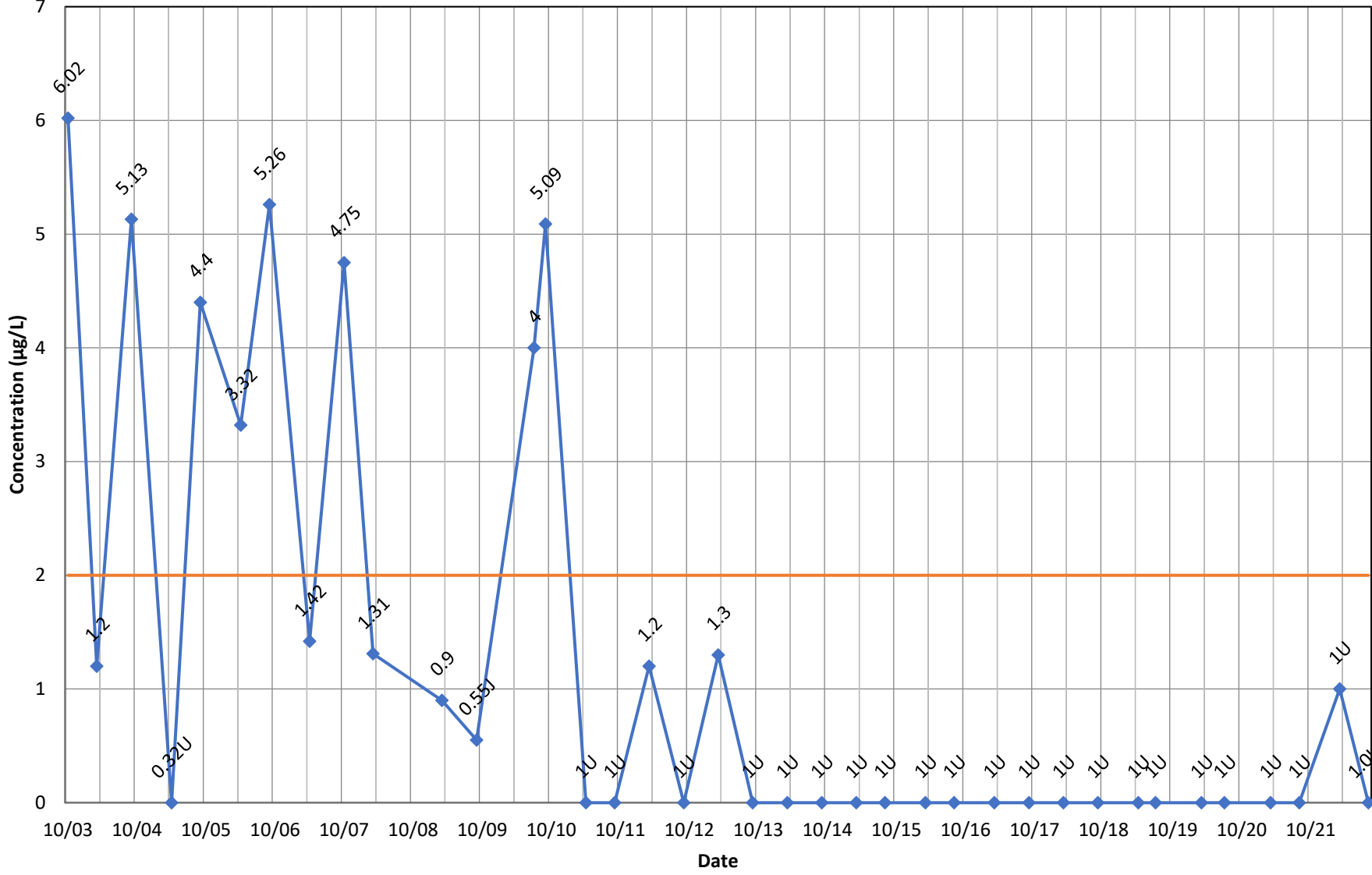
# Monitoring Well OB01 - Trichloroethene



◆ Concentration    — Current\_MCL

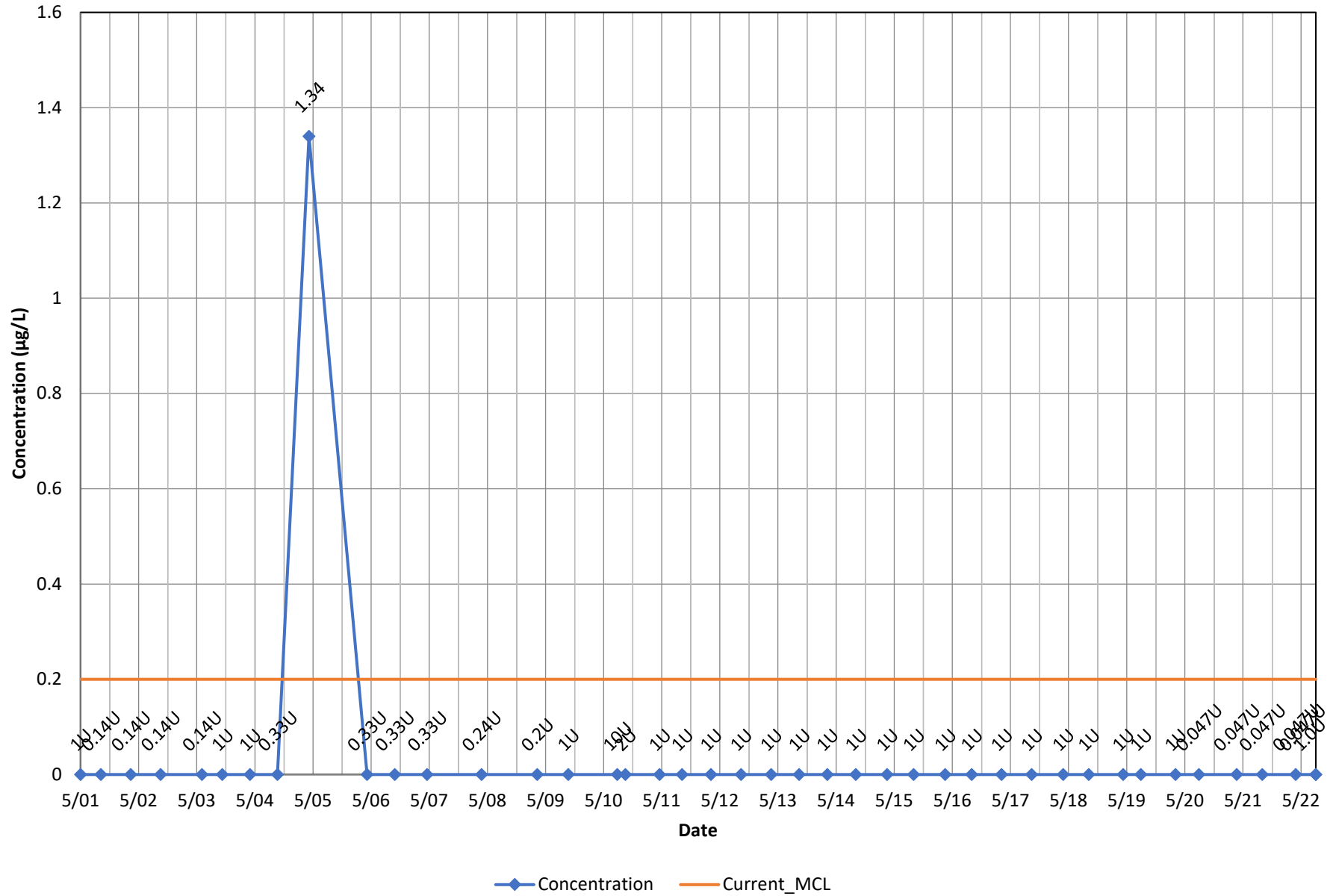


### Monitoring Well OB01 - Vinyl Chloride

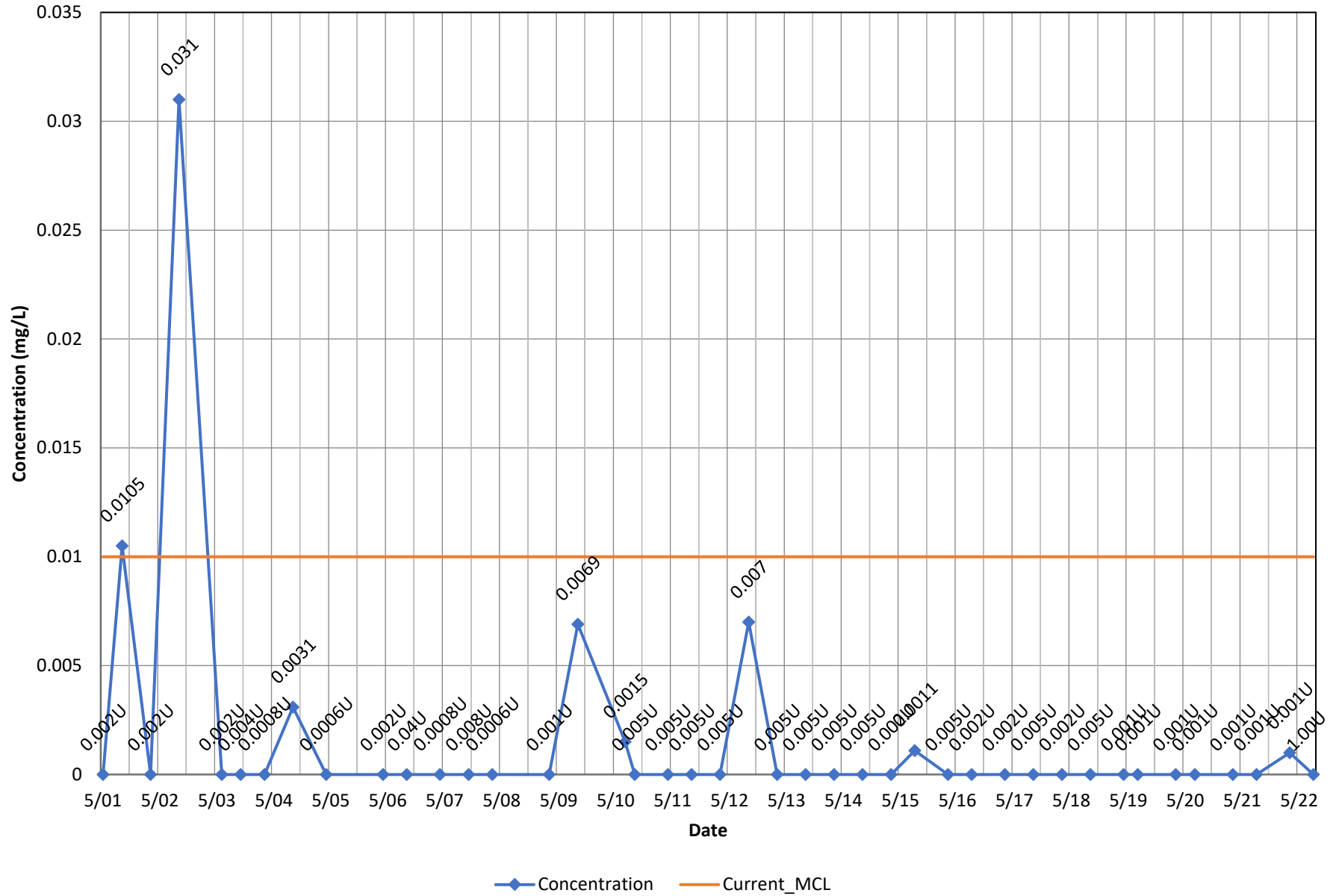


◆ Concentration    — Current\_MCL

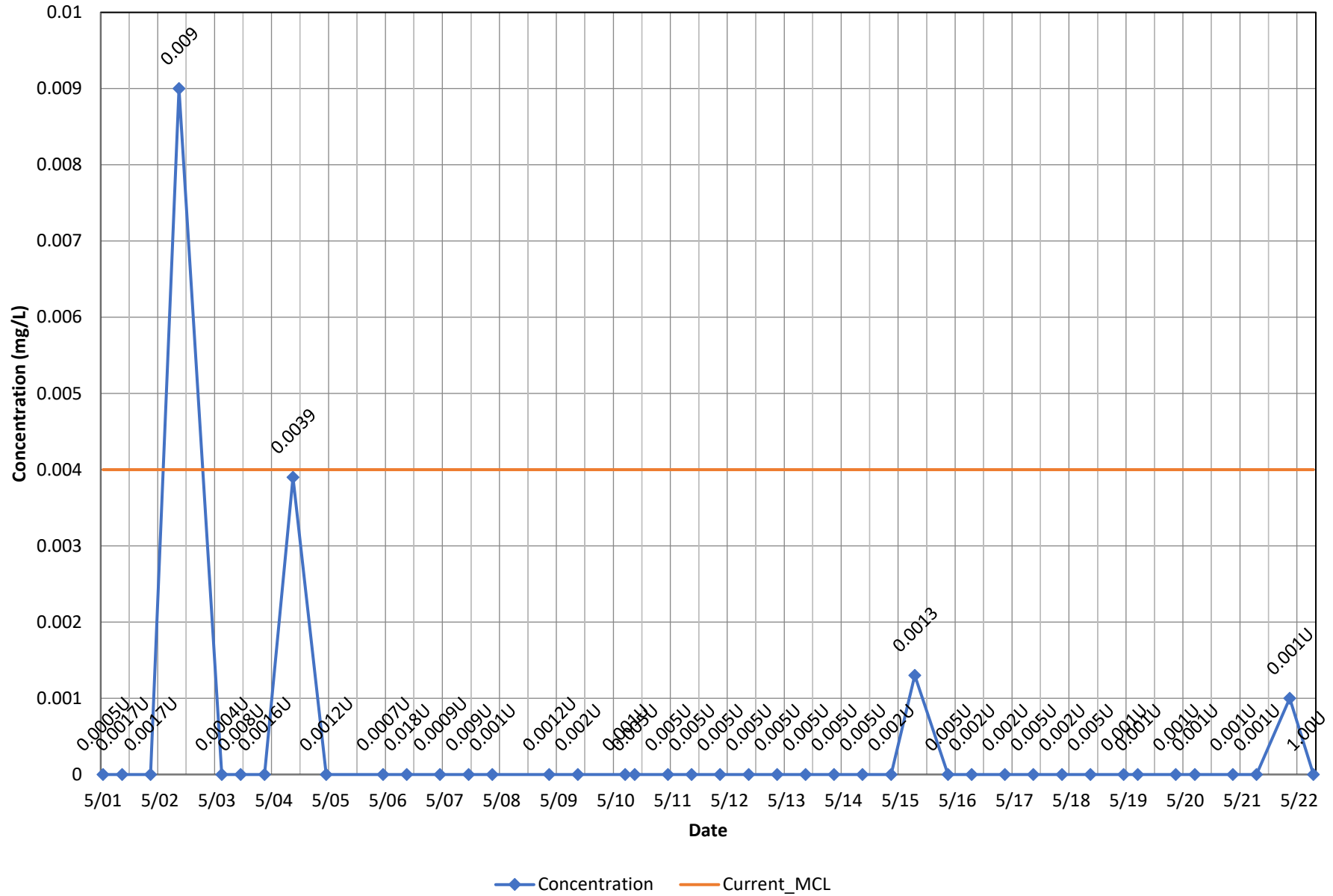
# Monitoring Well OB015 - 1,2-Dibromo-3-chloropropane



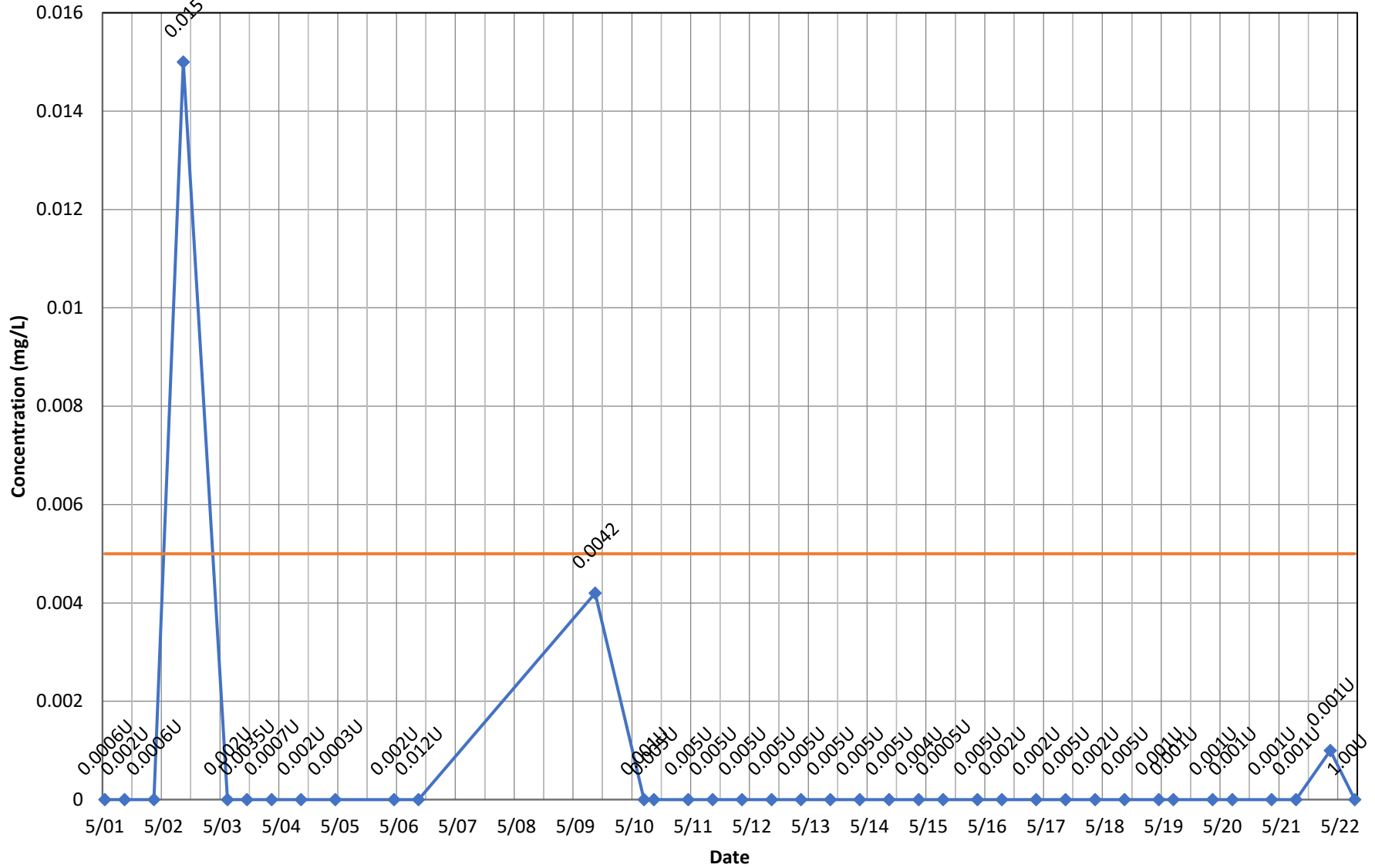
# Monitoring Well OB015 - Arsenic, total



# Monitoring Well OB015 - Beryllium, total

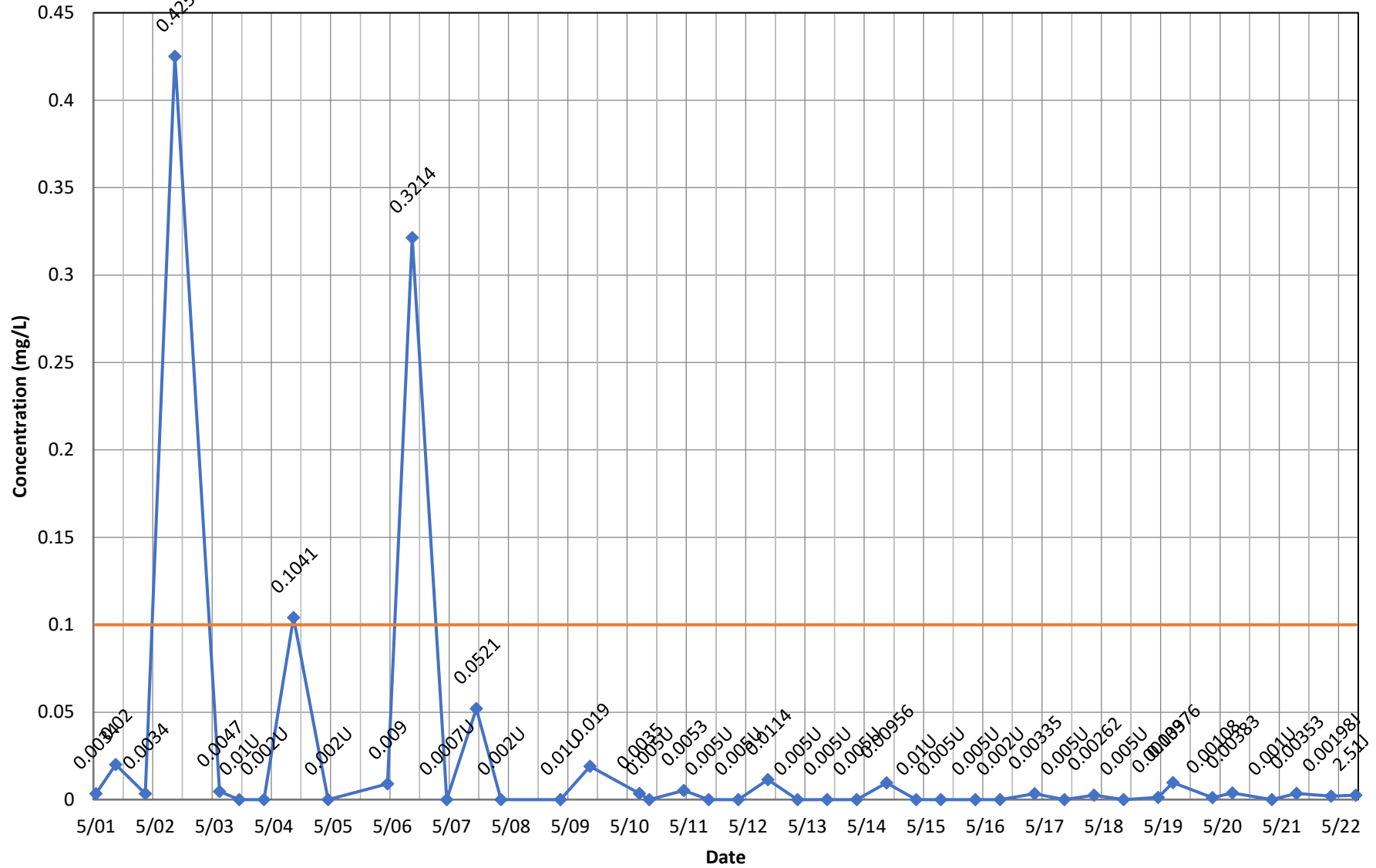


# Monitoring Well OB015 - Cadmium, total



◆ Concentration    — Current\_MCL

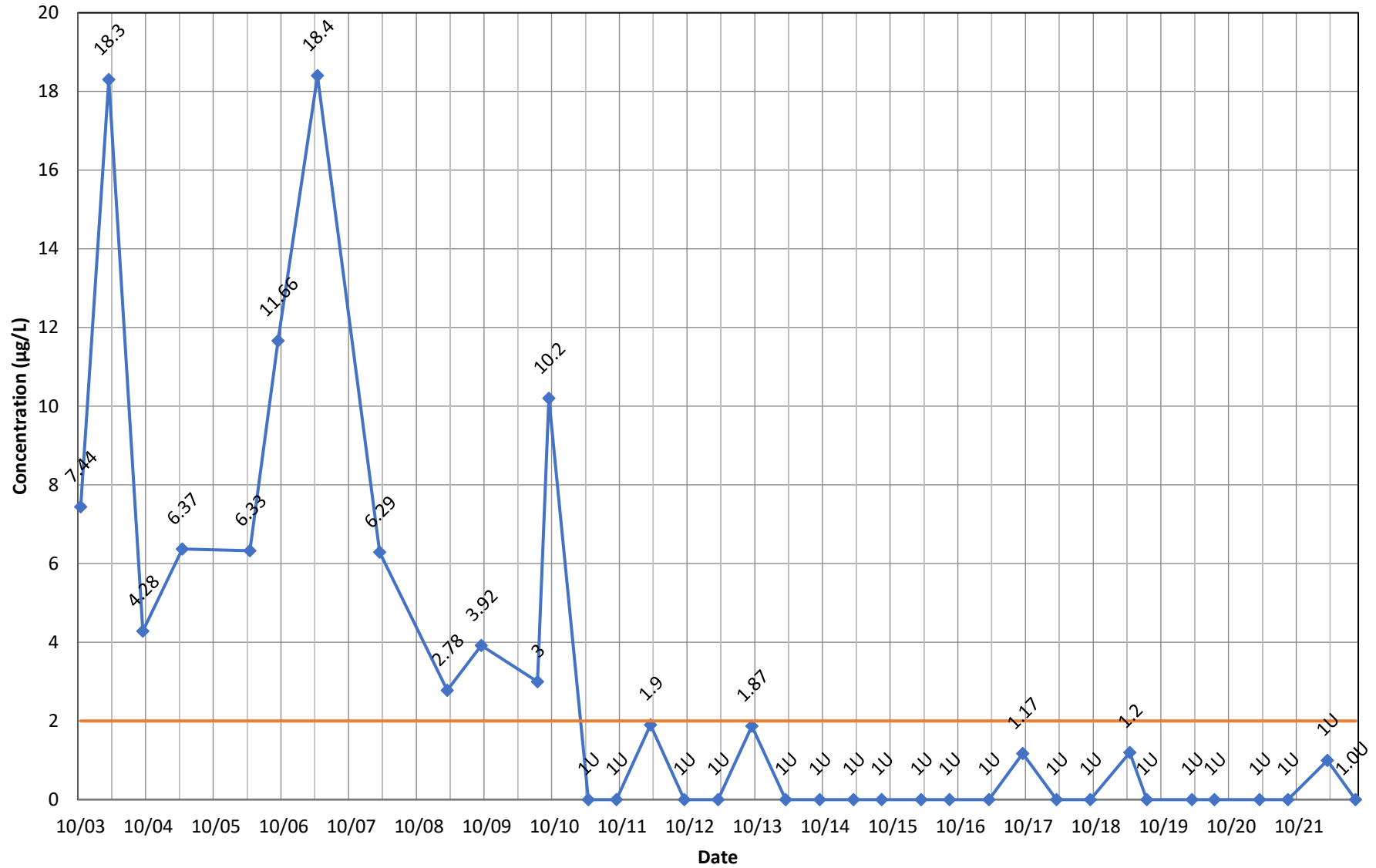
# Monitoring Well OB015 - Chromium, total



◆ Concentration    — Current\_MCL



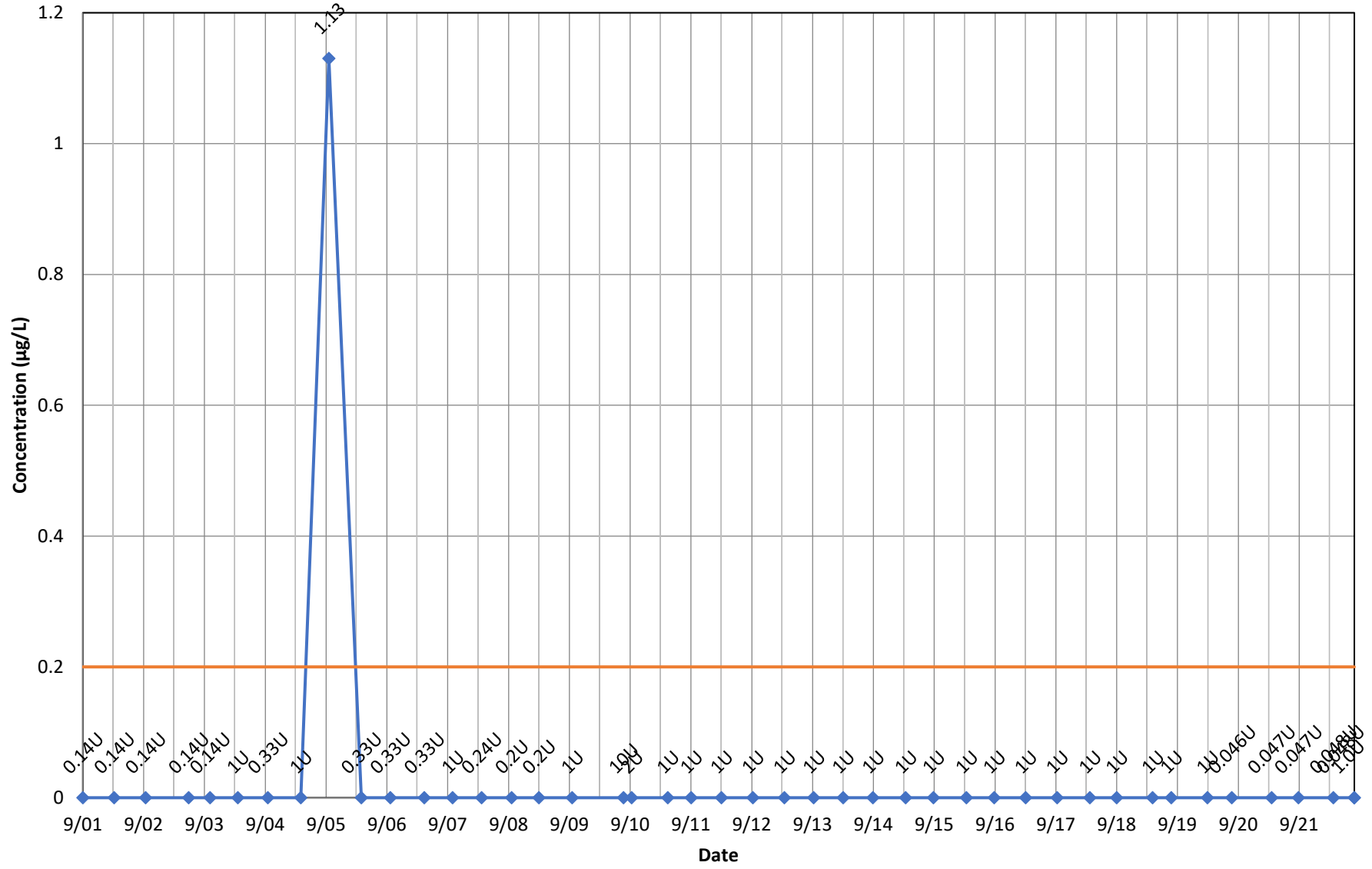
# Monitoring Well OB015 - Vinyl Chloride



◆ Concentration    — Current\_MCL

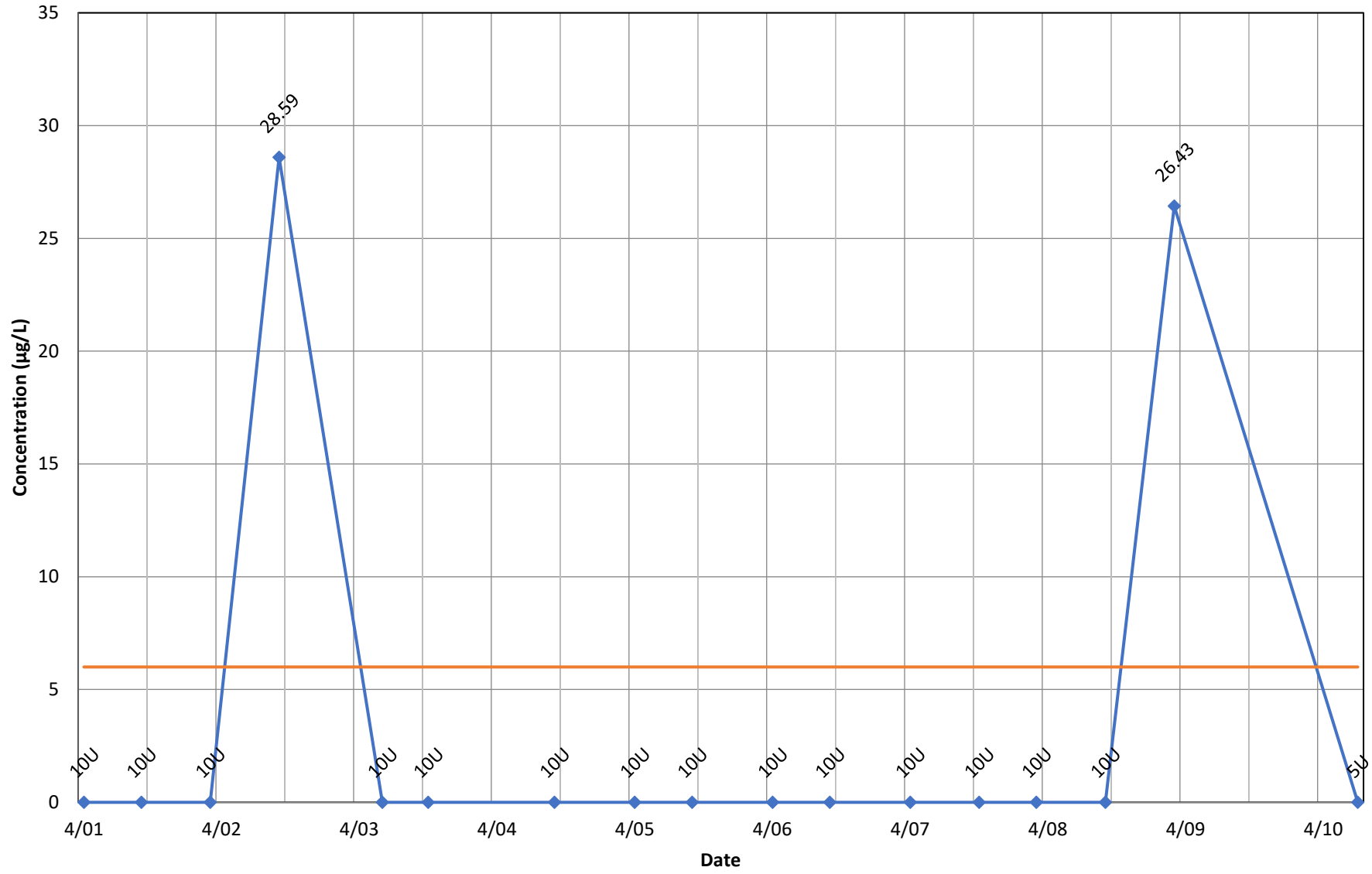


# Monitoring Well OB02 - 1,2-Dibromo-3-chloropropane



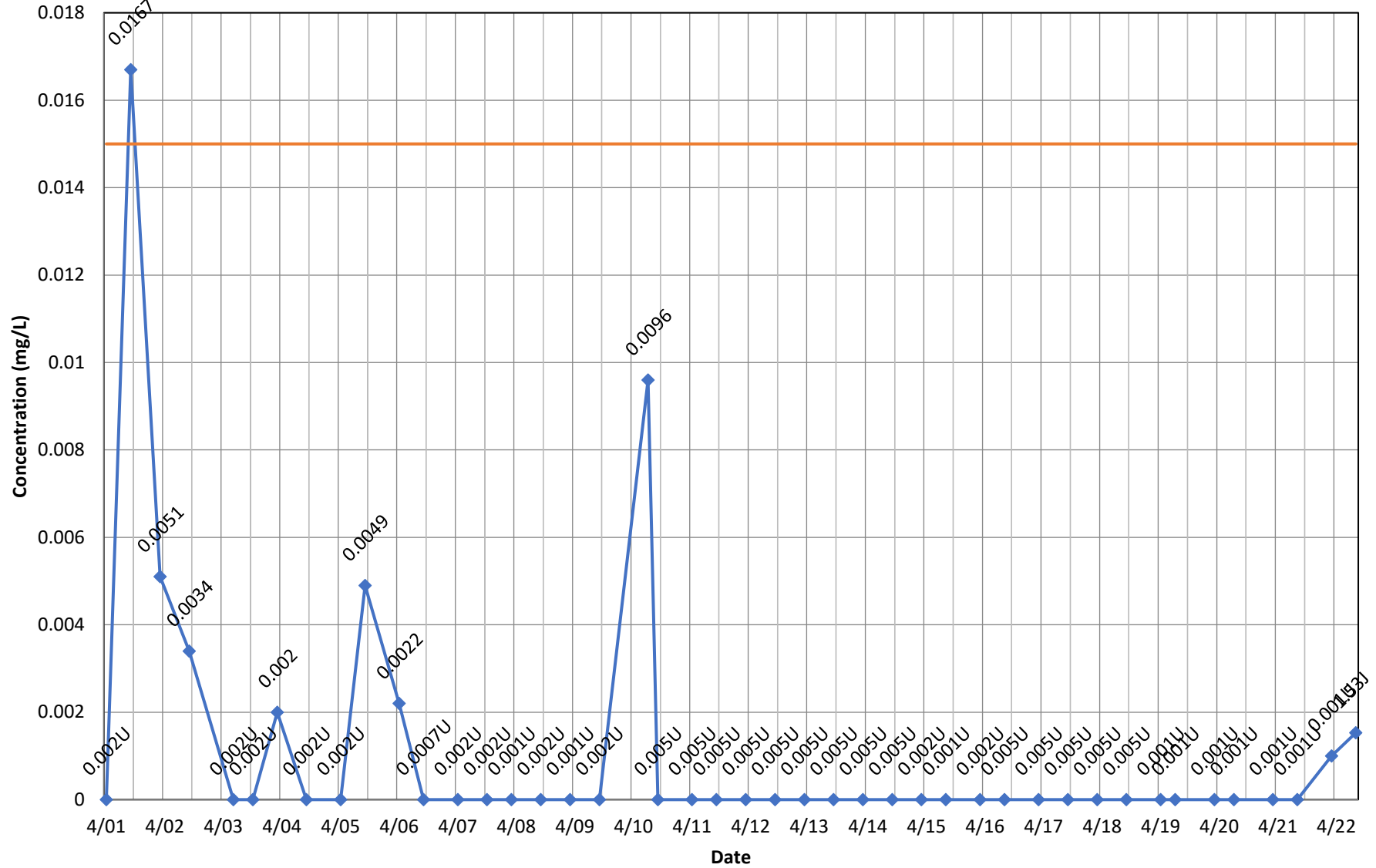
◆ Concentration    — Current\_MCL

# Monitoring Well OB02 - Bis(2-Ethylhexyl) Phthalate



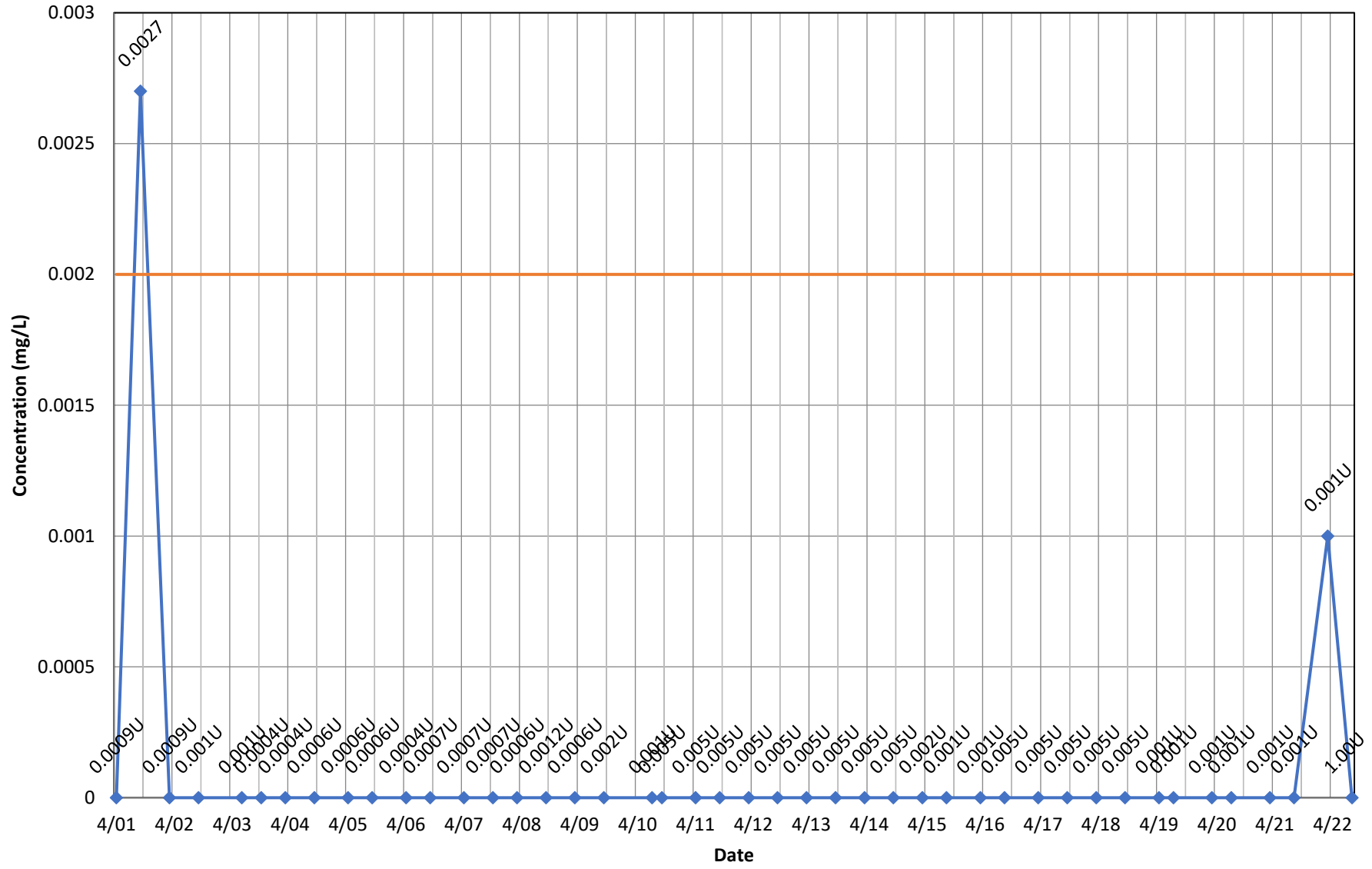
◆ Concentration    — Current\_MCL

# Monitoring Well OB02 - Lead, total



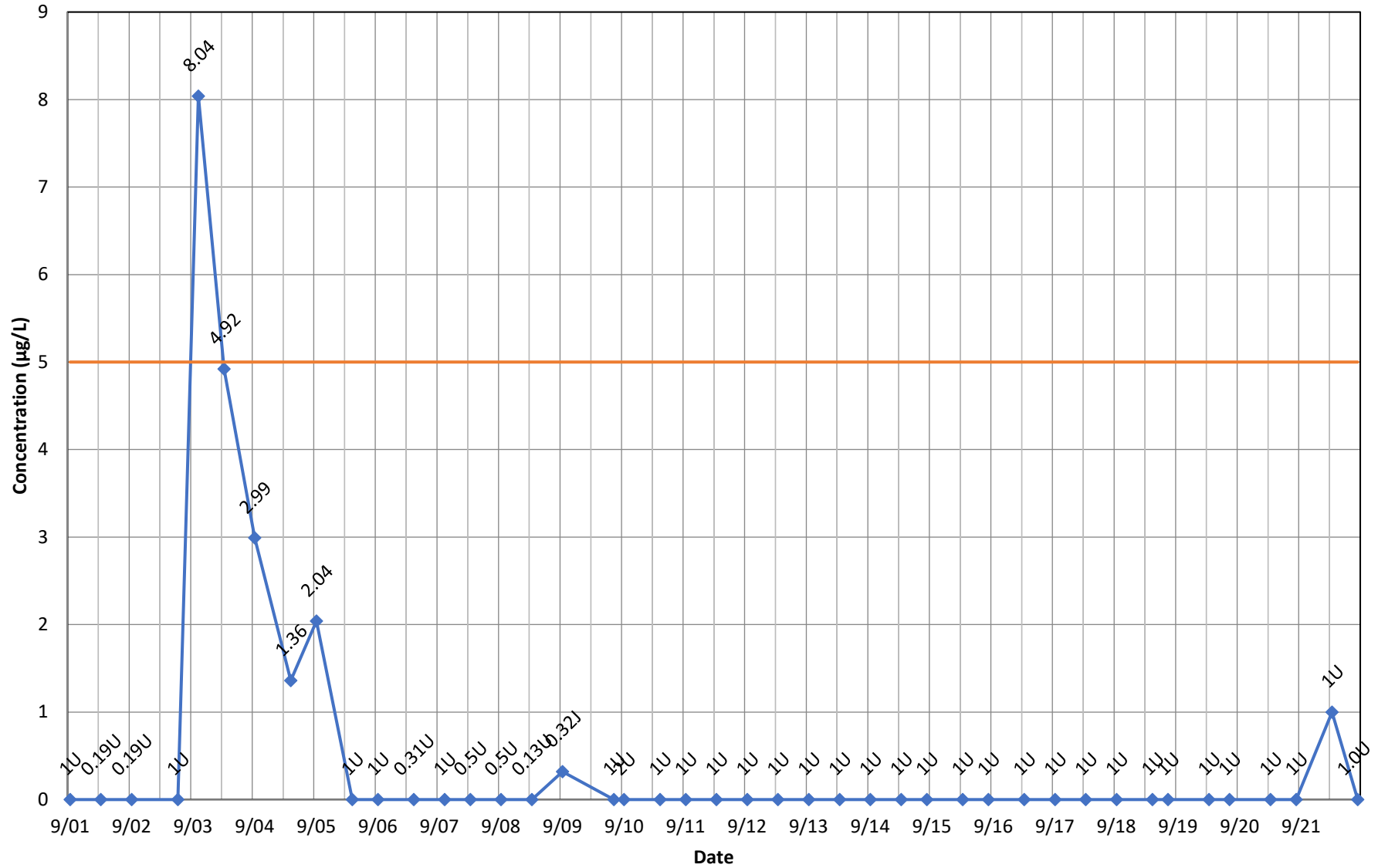
◆ Concentration    — Current\_MCL

# Monitoring Well OB02 - Thallium, total



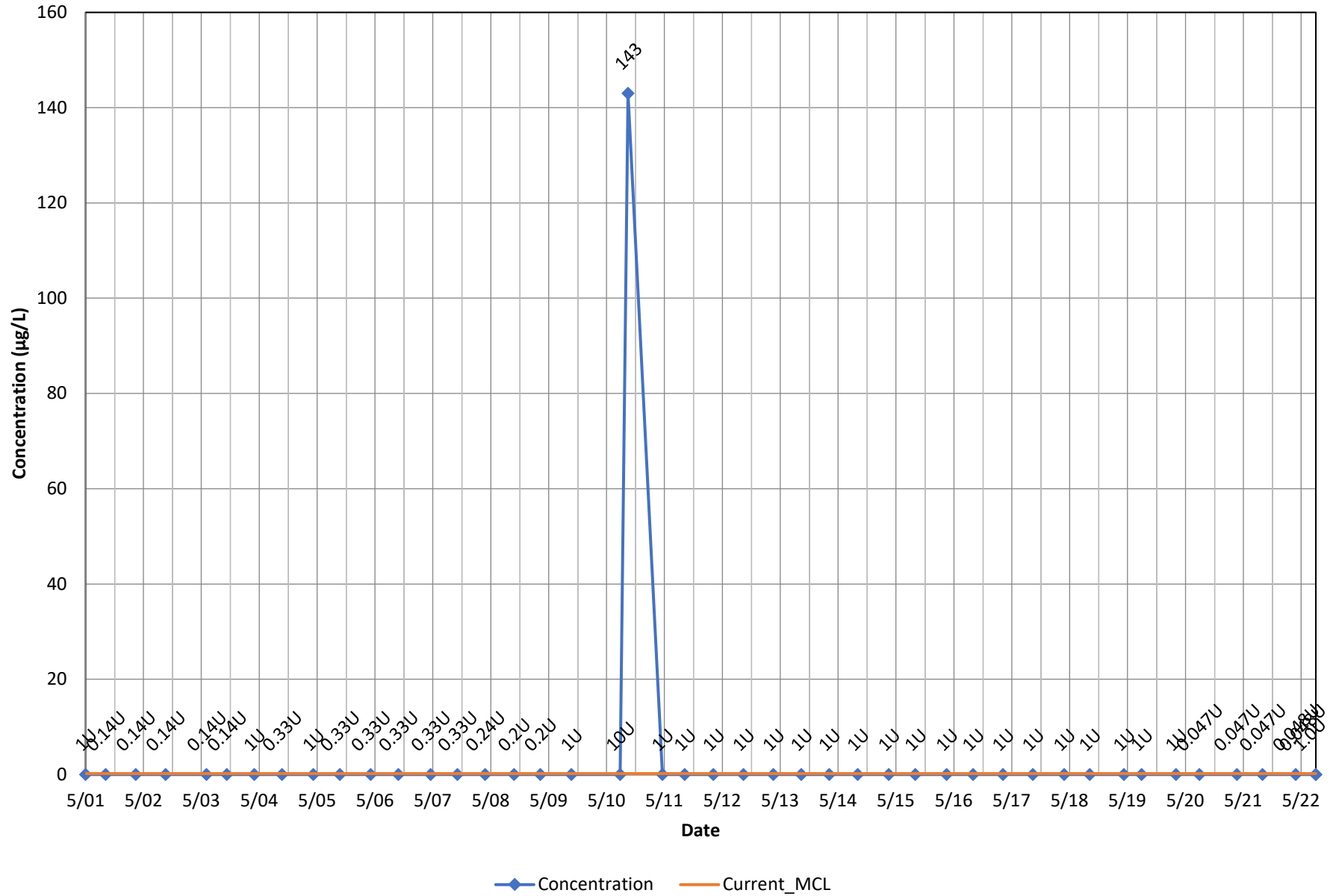
◆ Concentration    — Current\_MCL

# Monitoring Well OB02 - Trichloroethene

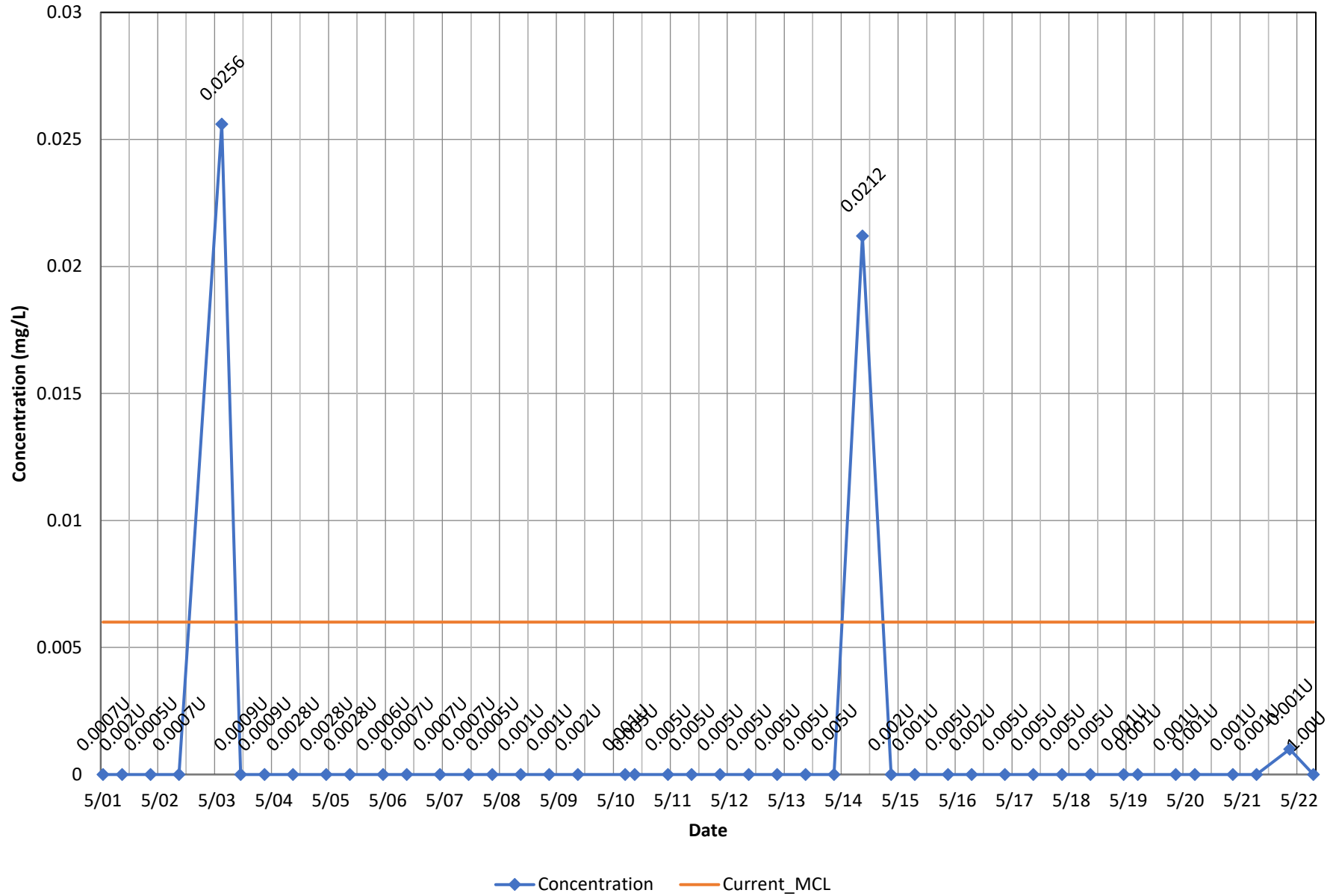


◆ Concentration    — Current\_MCL

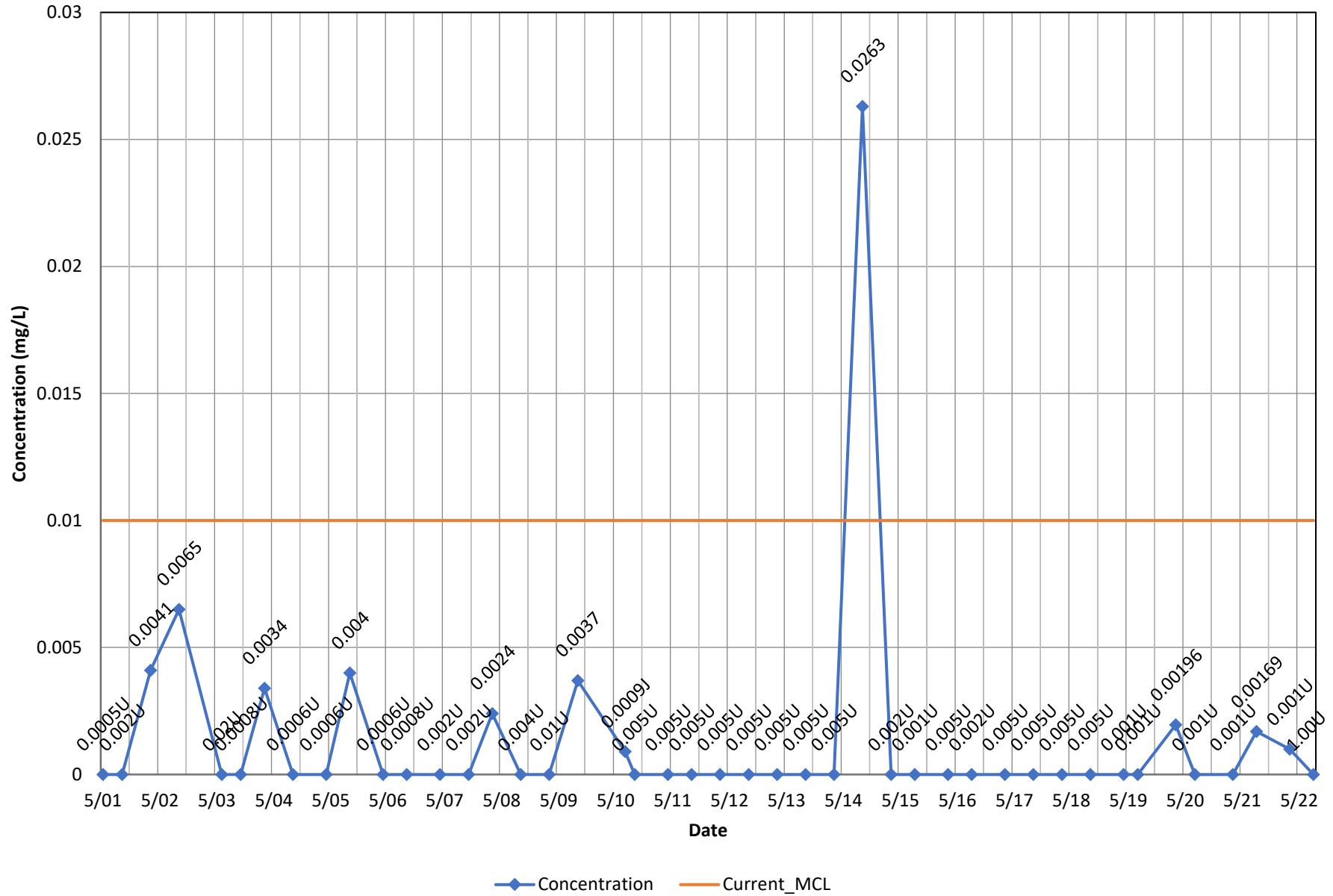
# Monitoring Well OB025 - 1,2-Dibromo-3-chloropropane



# Monitoring Well OB025 - Antimony, total

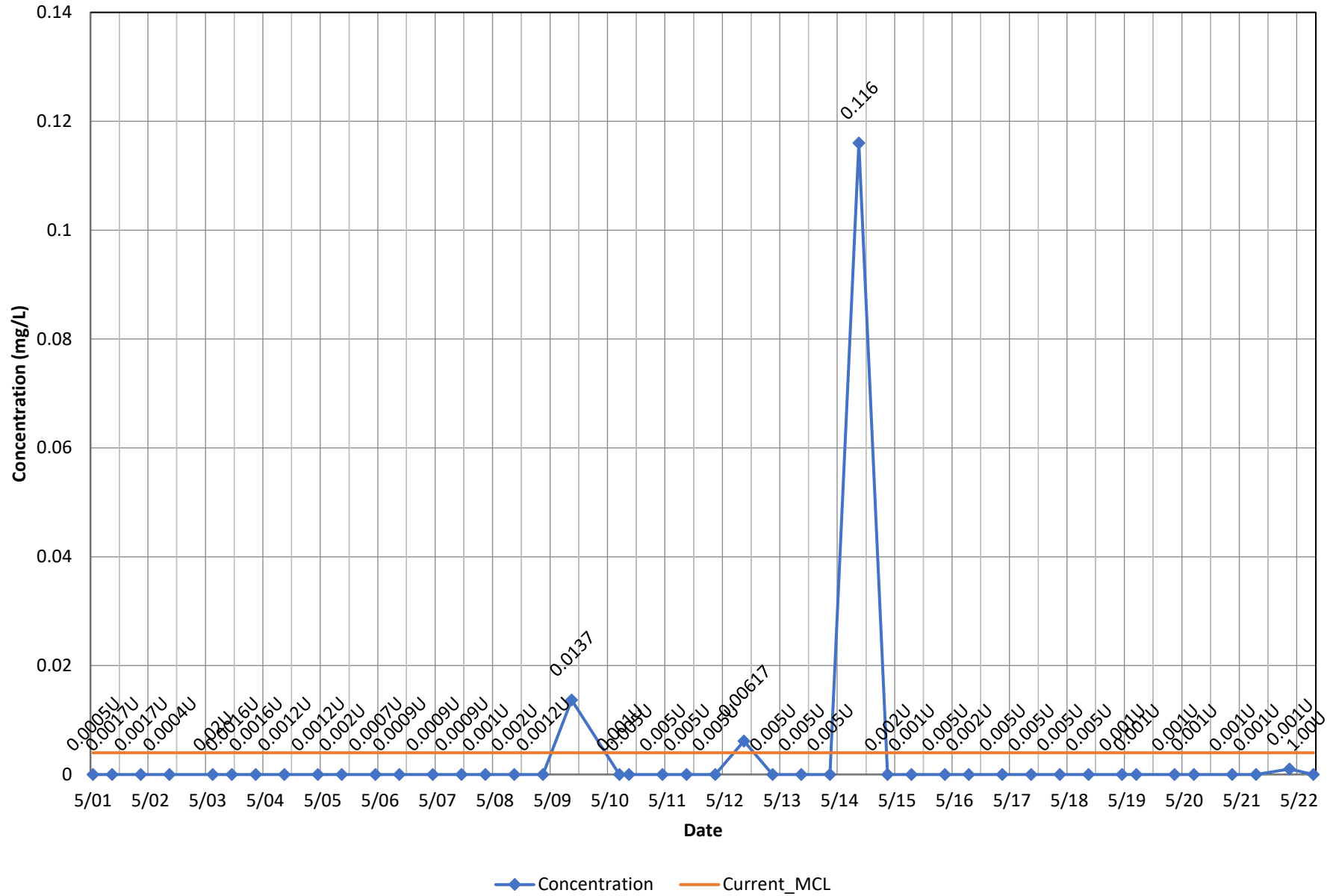


# Monitoring Well OB025 - Arsenic, total

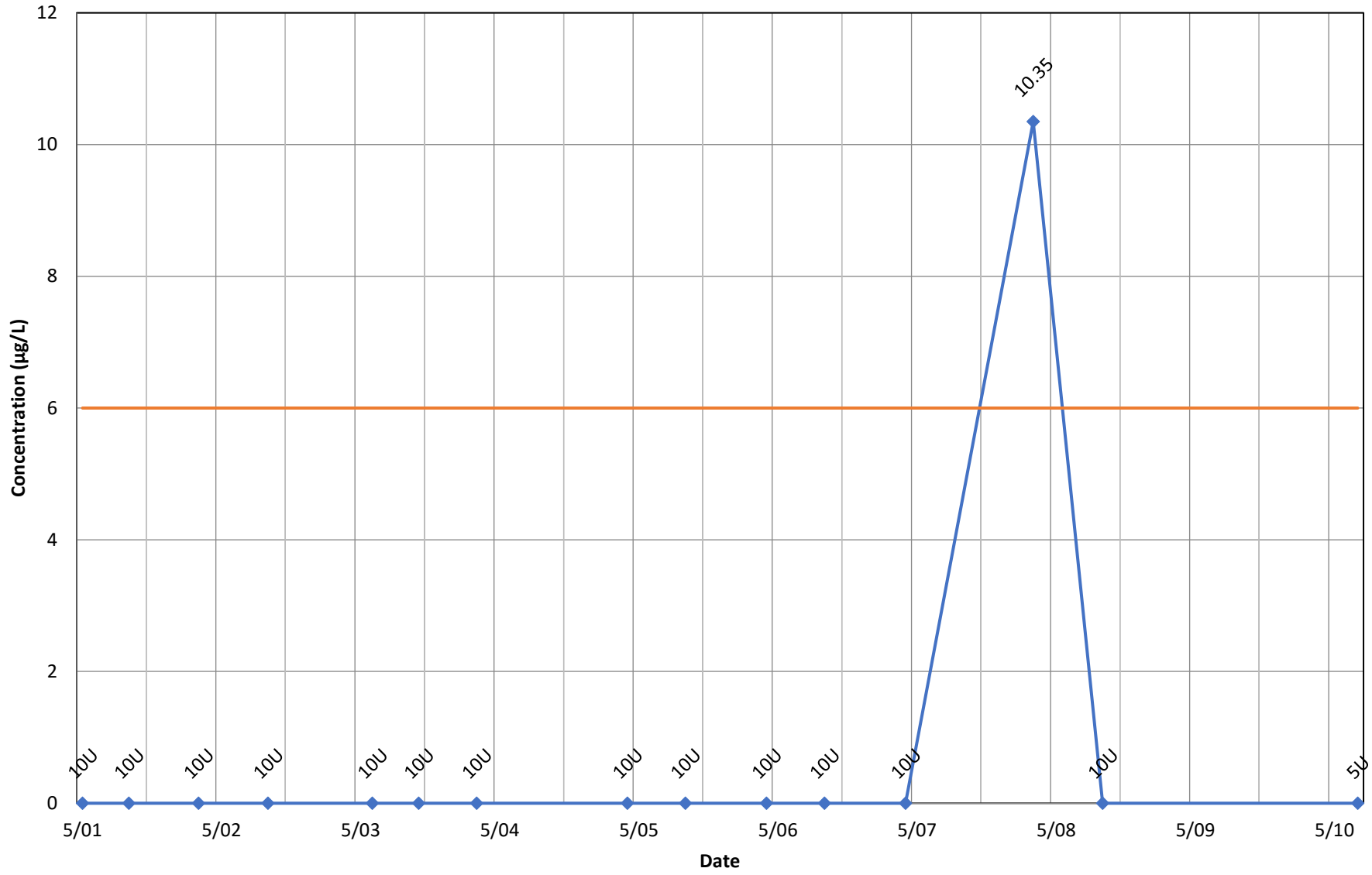




# Monitoring Well OB025 - Beryllium, total

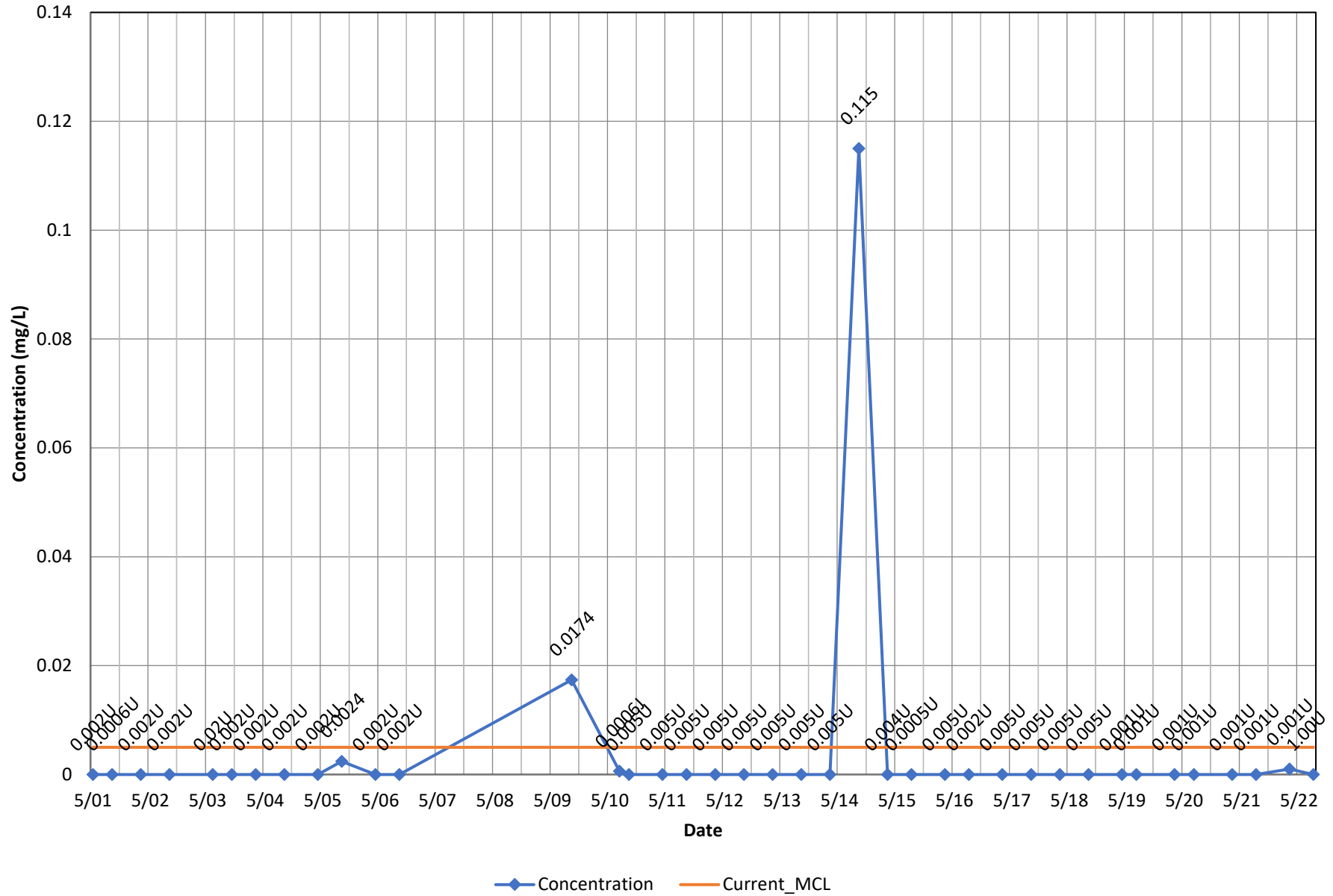


### Monitoring Well OB025 - Bis(2-Ethylhexyl) Phthalate

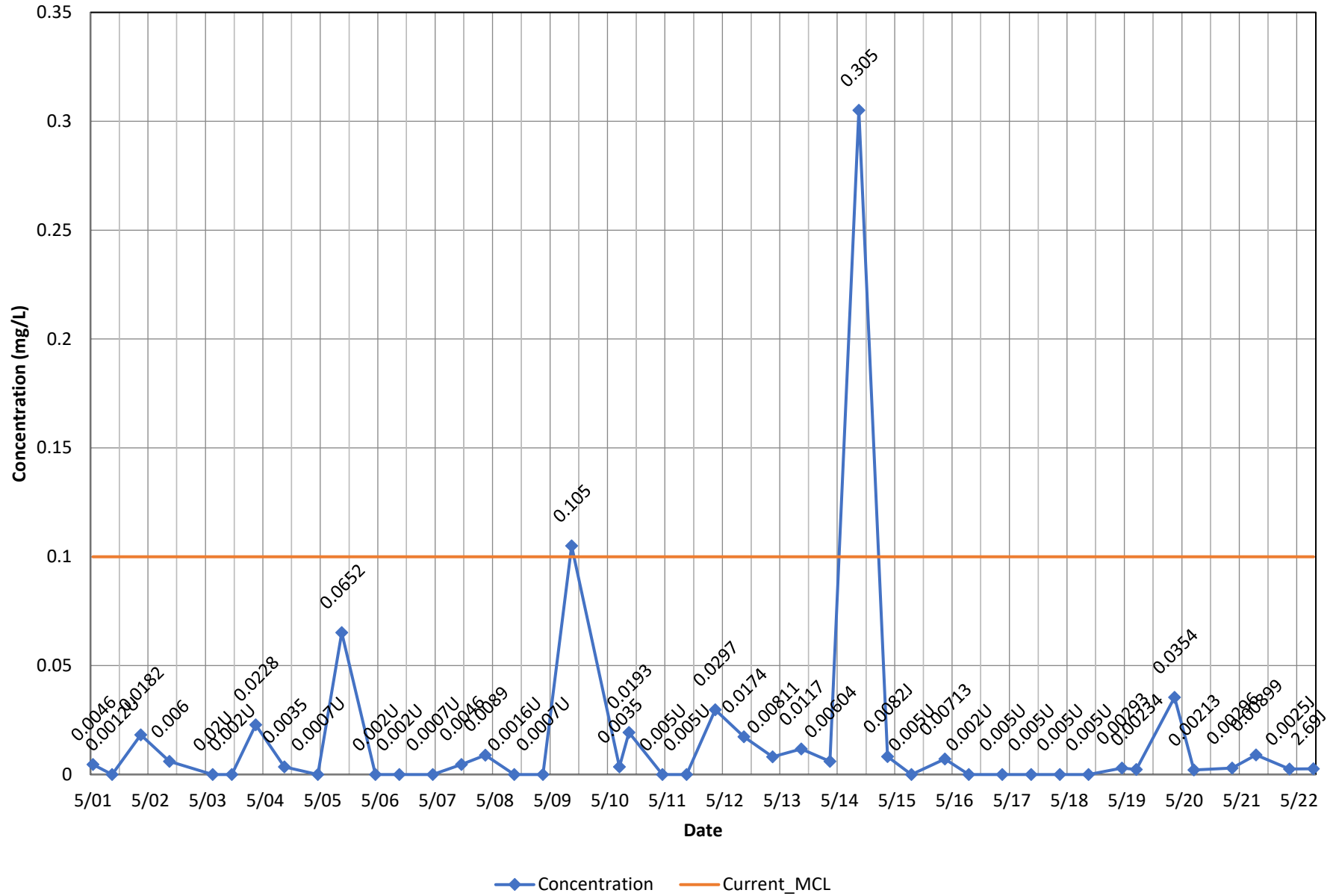


◆ Concentration    — Current\_MCL

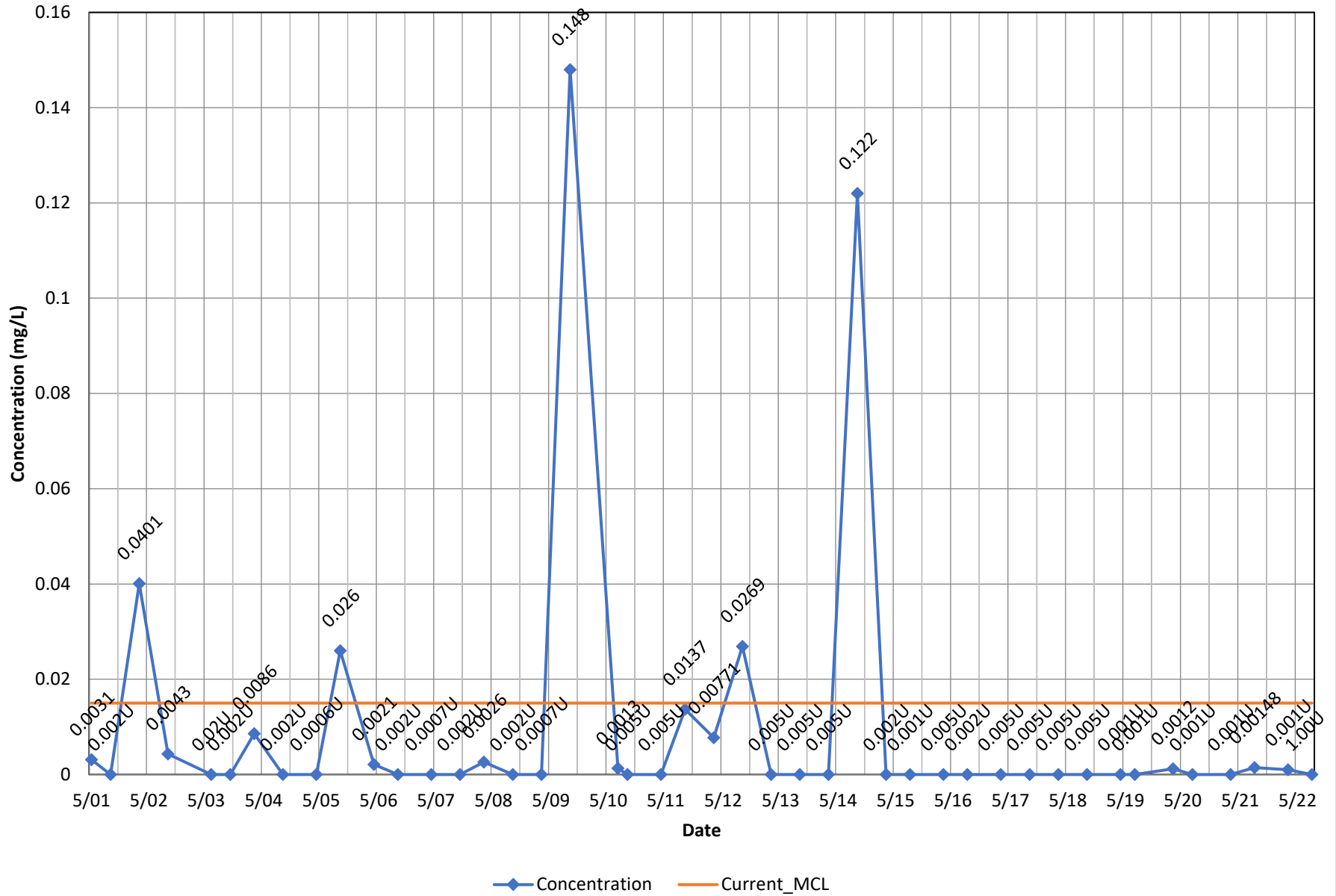
# Monitoring Well OB025 - Cadmium, total



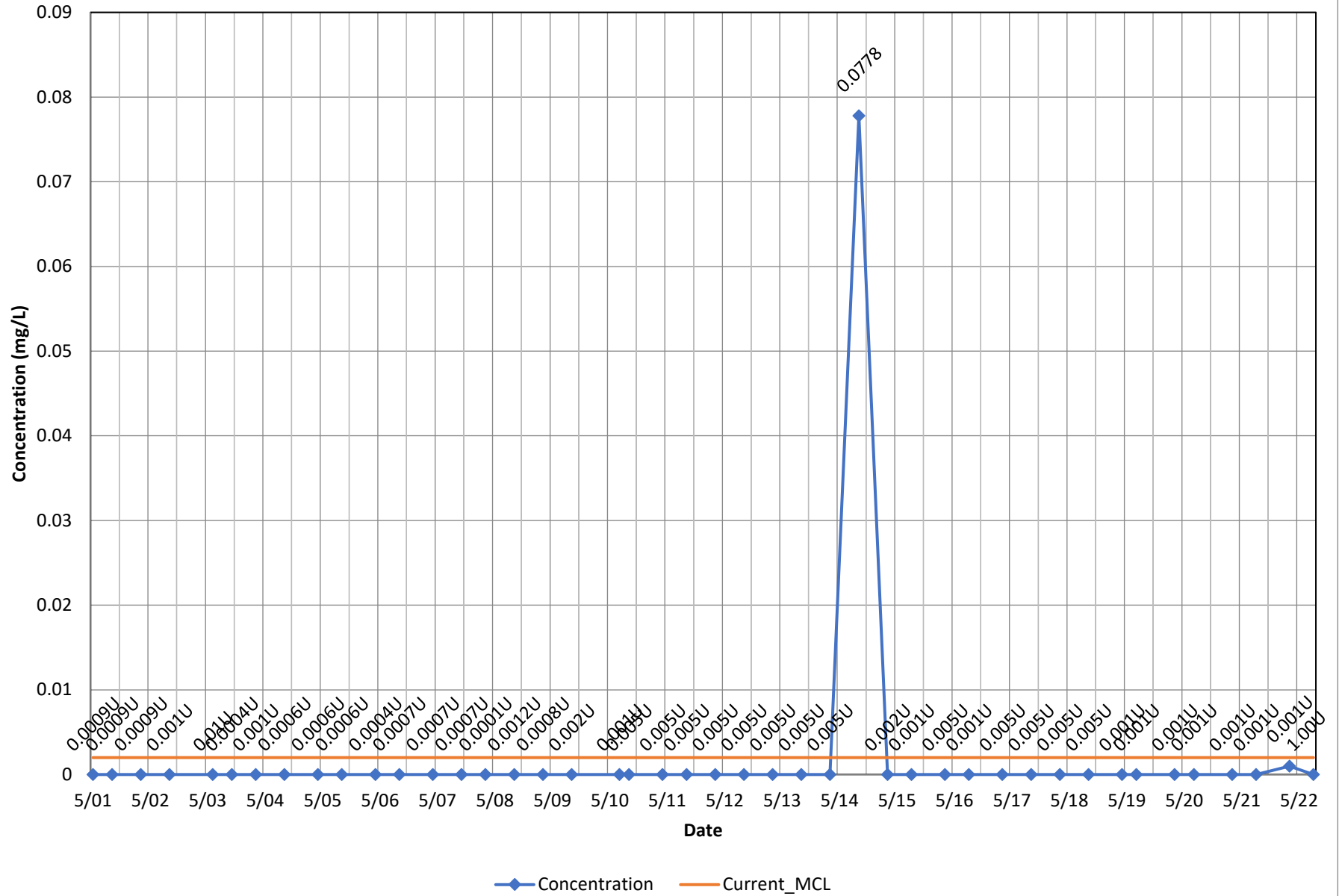
# Monitoring Well OB025 - Chromium, total



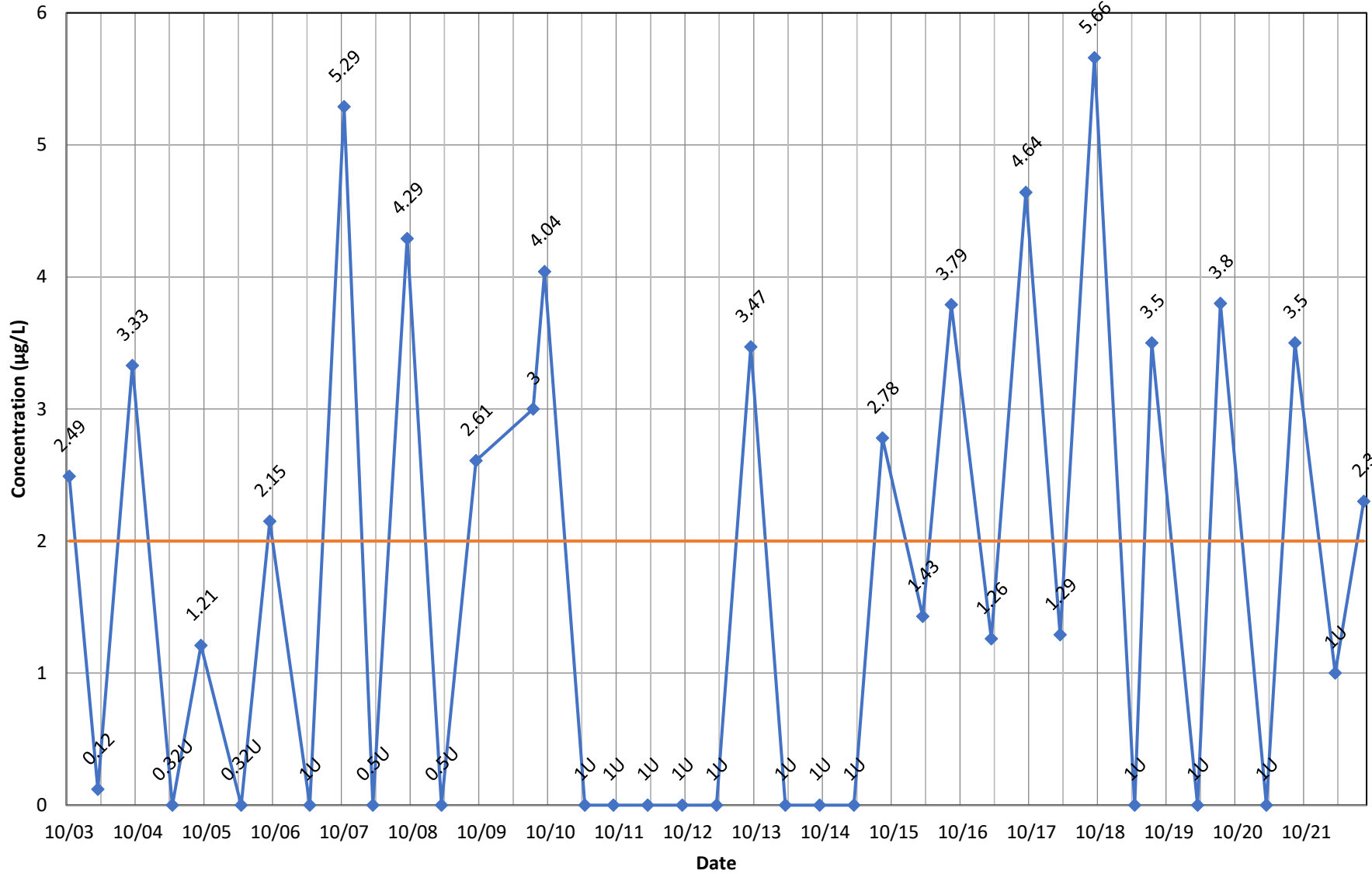
### Monitoring Well OB025 - Lead, total



# Monitoring Well OB025 - Thallium, total

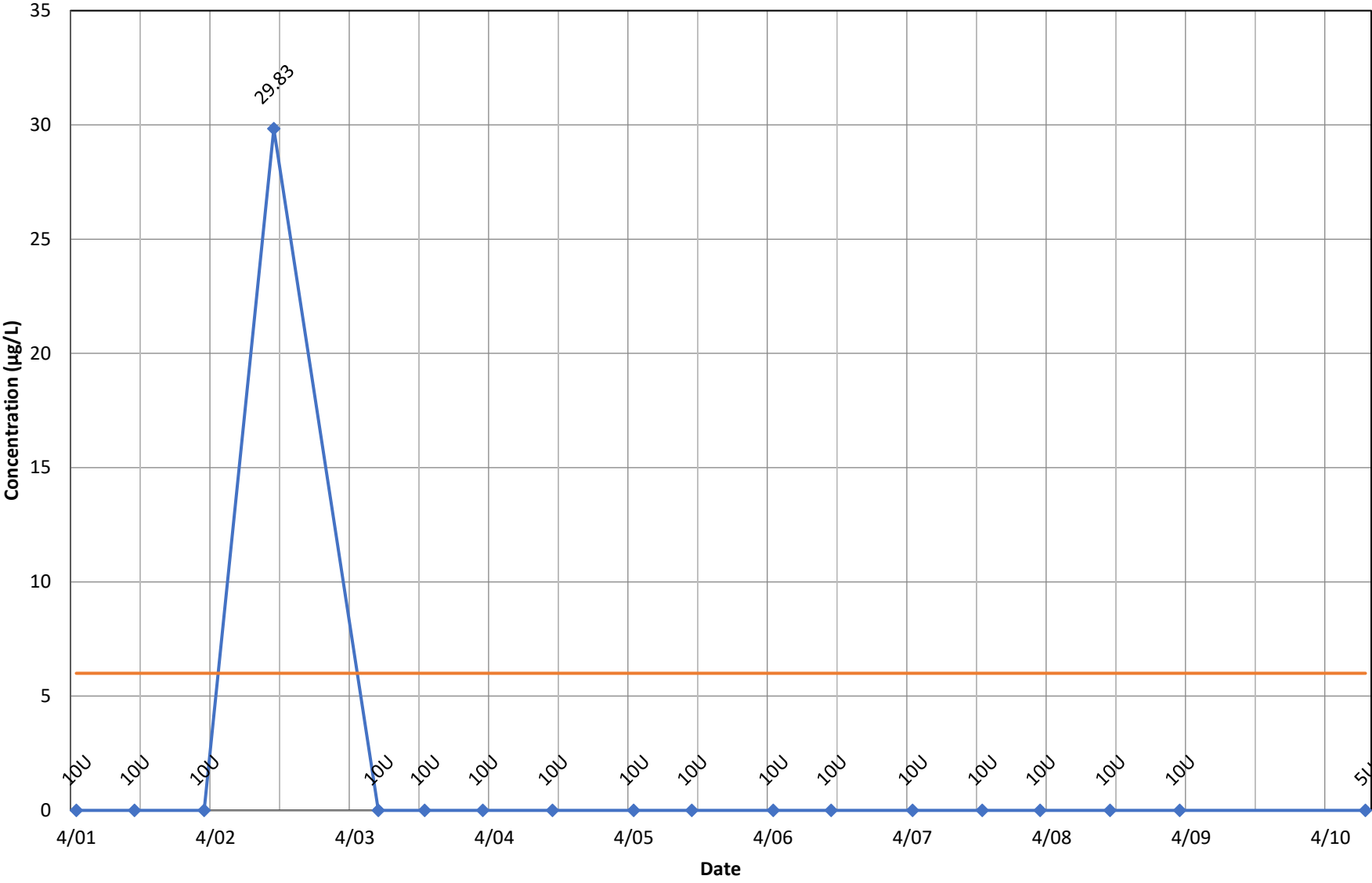


# Monitoring Well OB025 - Vinyl Chloride



◆ Concentration    — Current\_MCL

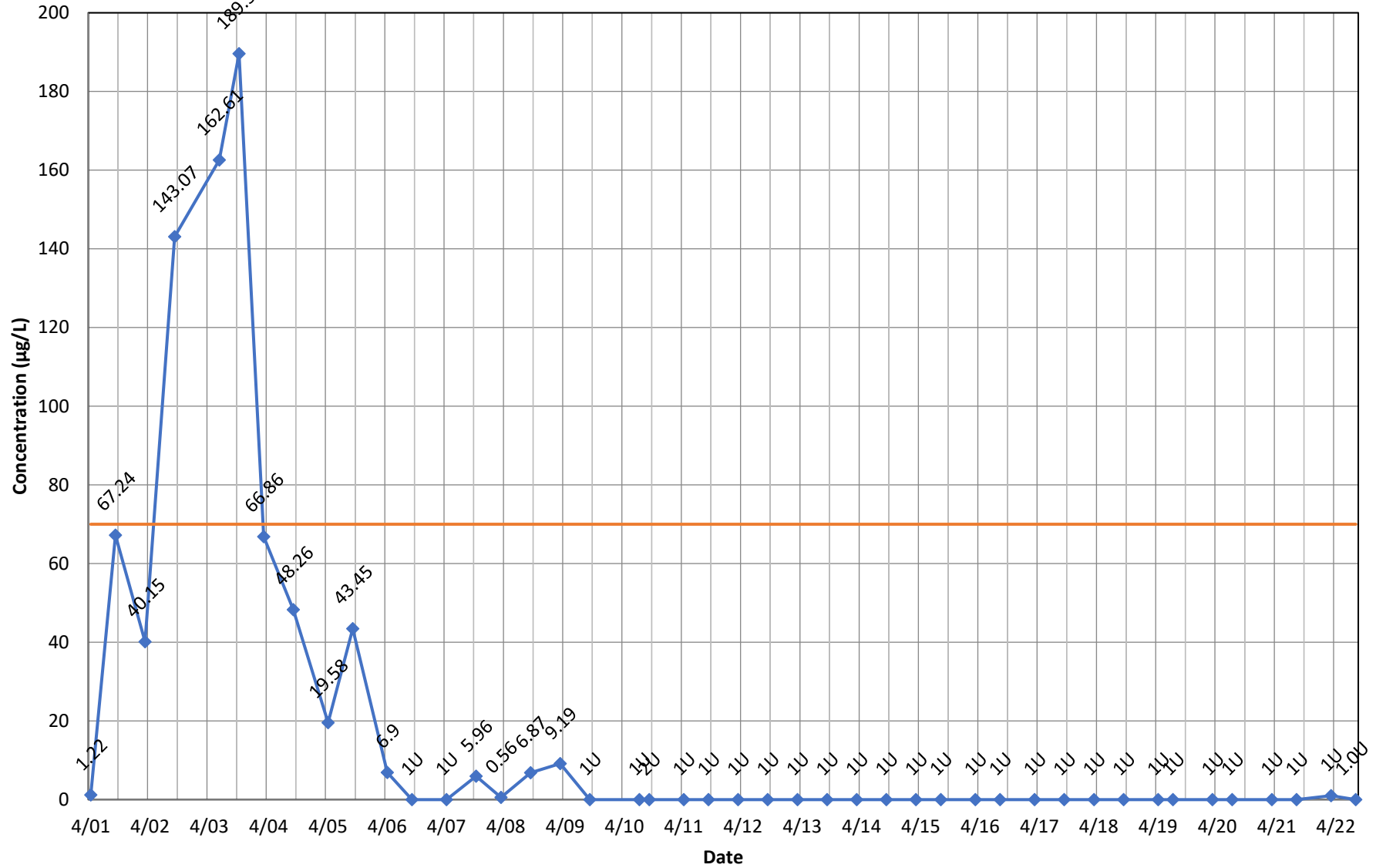
### Monitoring Well OB02A - Bis(2-Ethylhexyl) Phthalate



◆ Concentration    — Current\_MCL

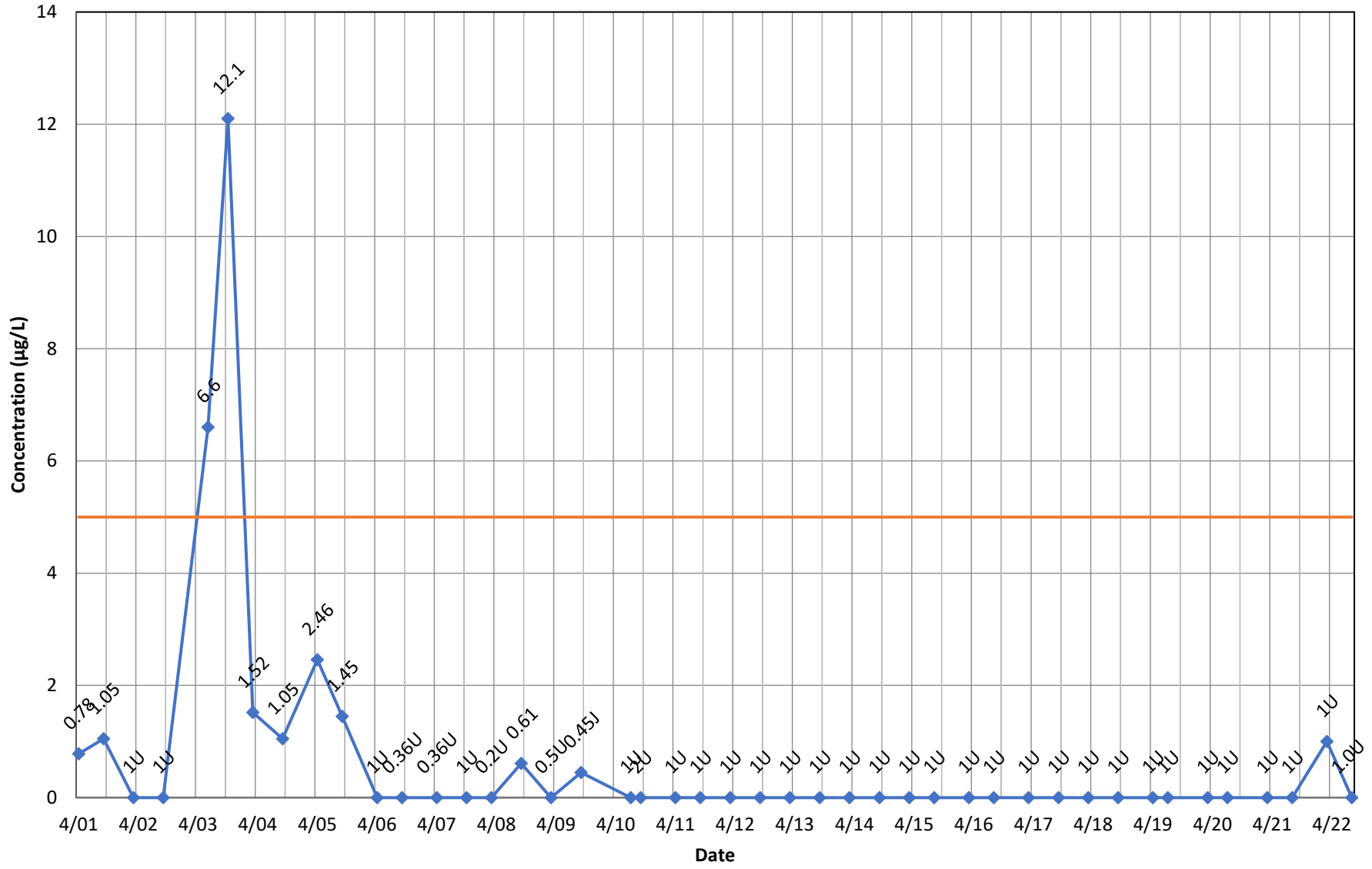


# Monitoring Well OB02A - cis-1,2-Dichloroethene



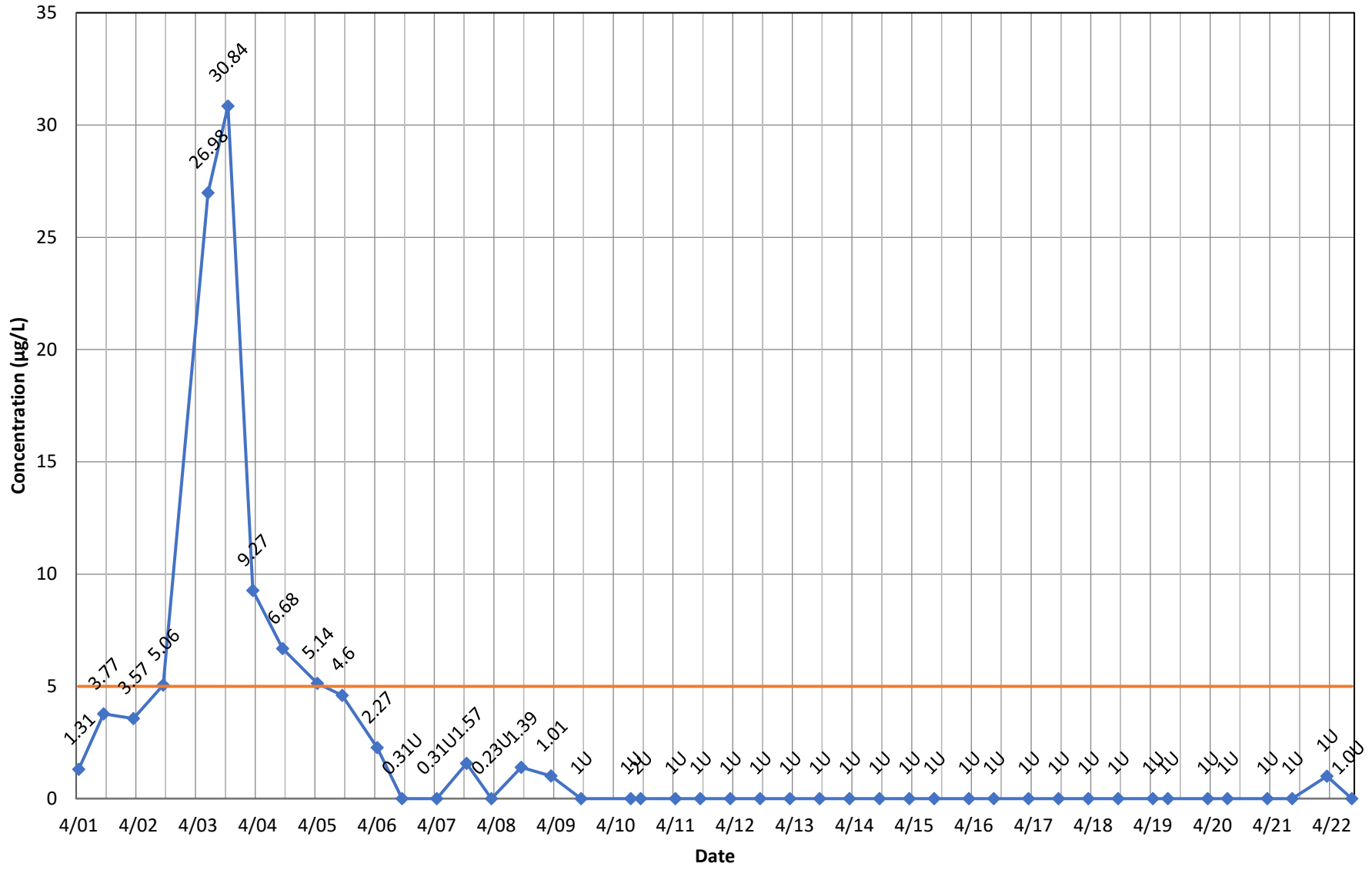
◆ Concentration    — Current\_MCL

# Monitoring Well OB02A - Tetrachloroethene



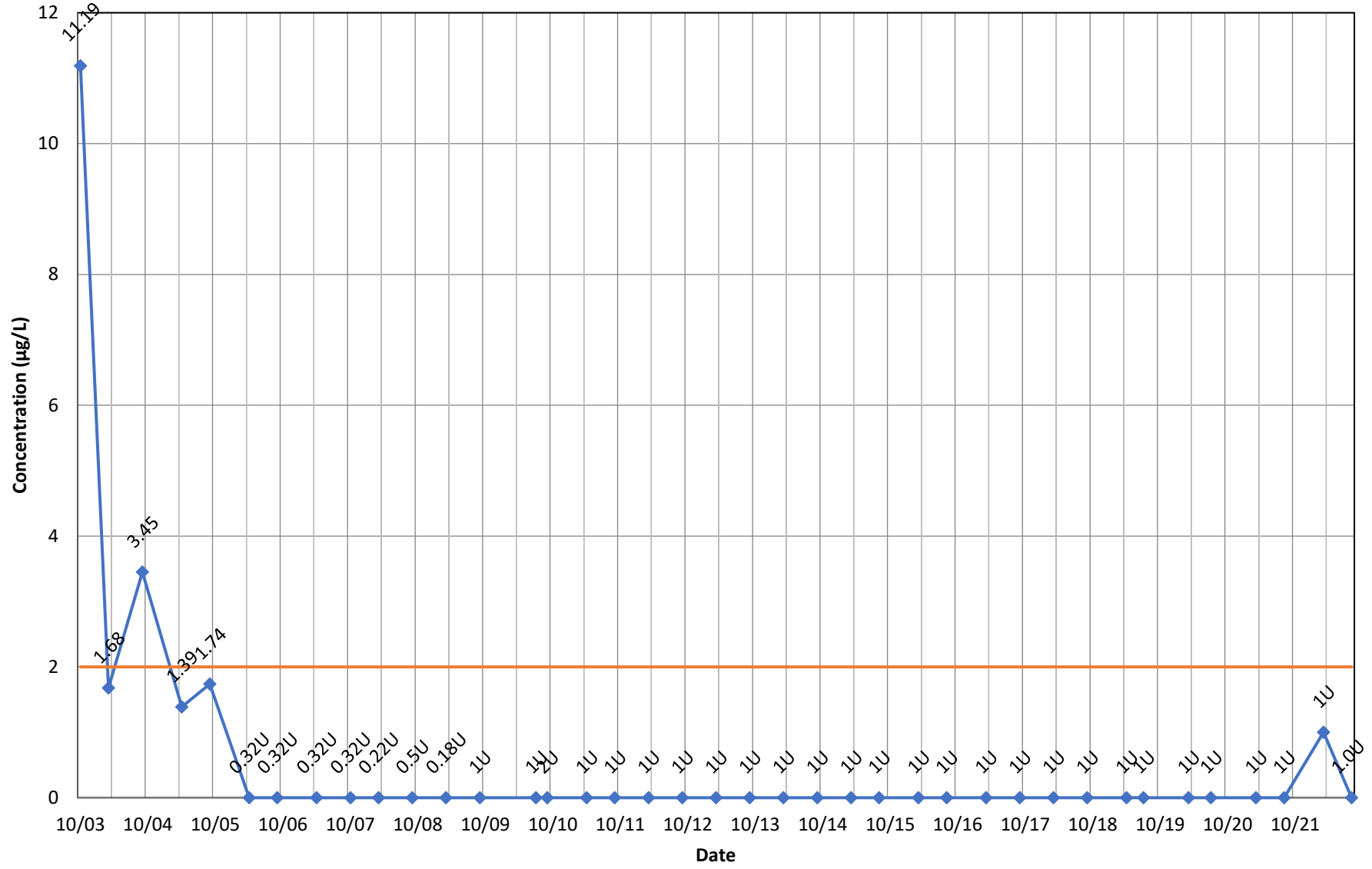
◆ Concentration    — Current\_MCL

# Monitoring Well OB02A - Trichloroethene



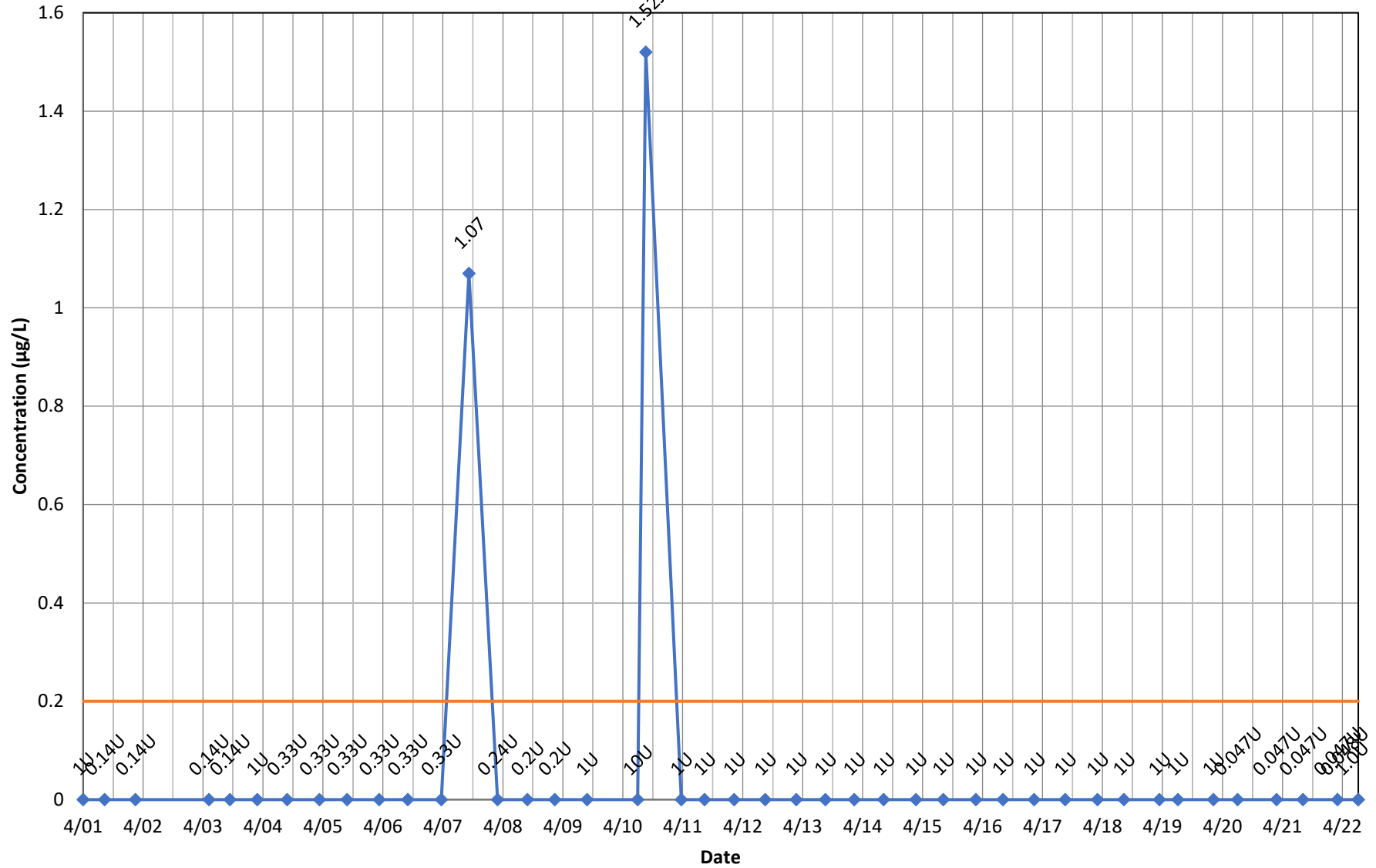
◆ Concentration    — Current\_MCL

# Monitoring Well OB02A - Vinyl Chloride



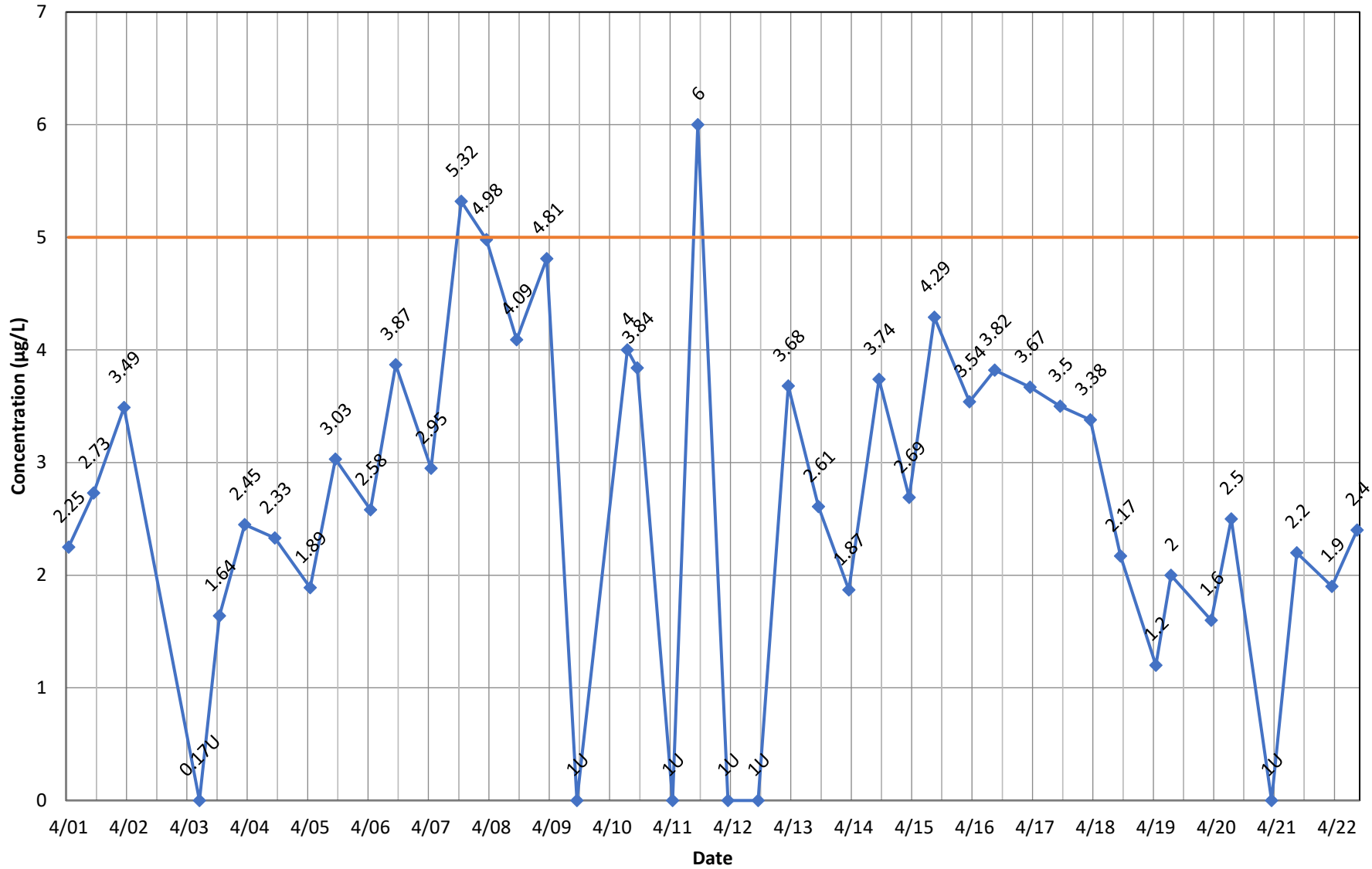
◆ Concentration    — Current\_MCL

# Monitoring Well OB03 - 1,2-Dibromo-3-chloropropane



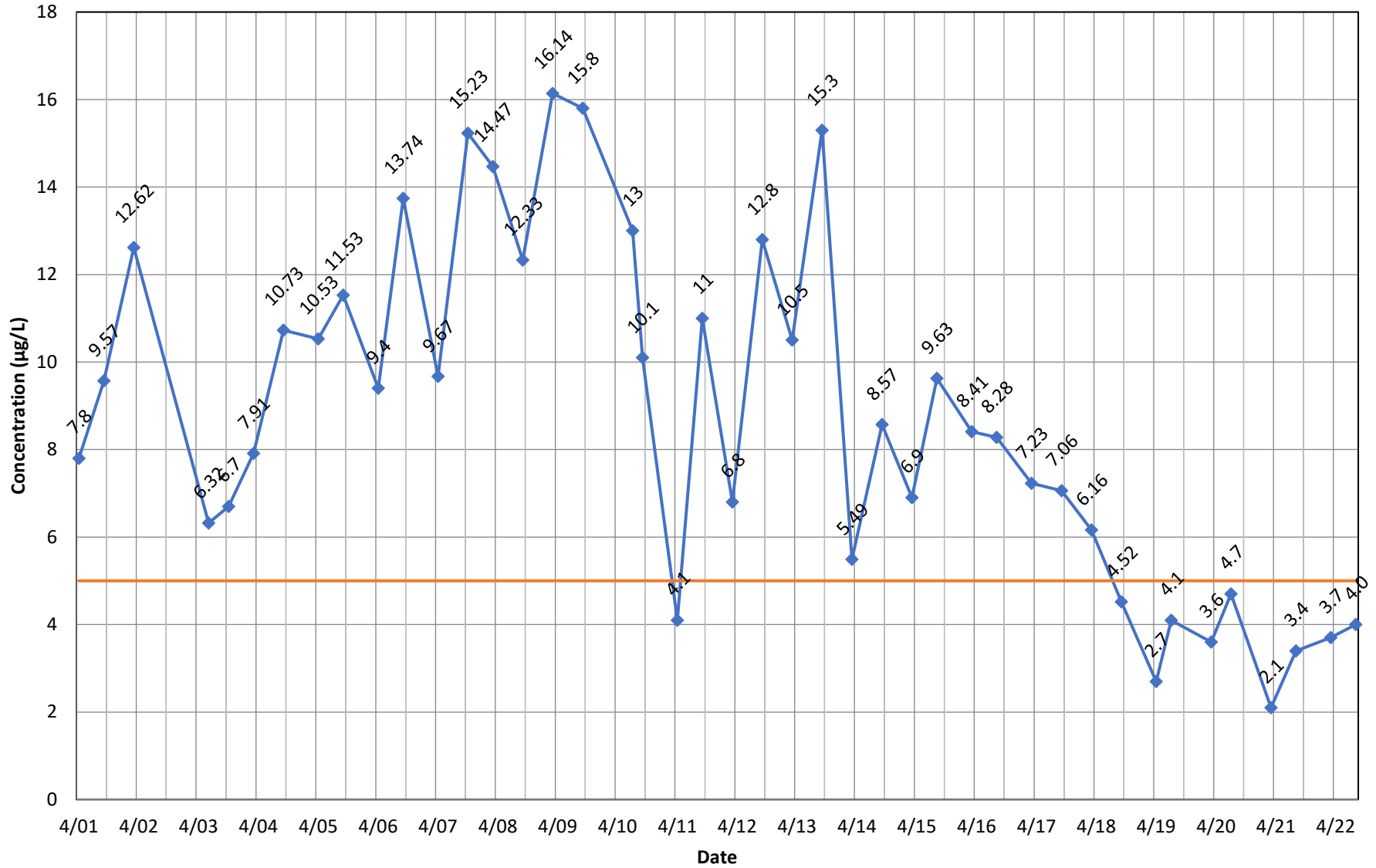
◆ Concentration    — Current\_MCL

# Monitoring Well OB03 - 1,2-Dichloroethane



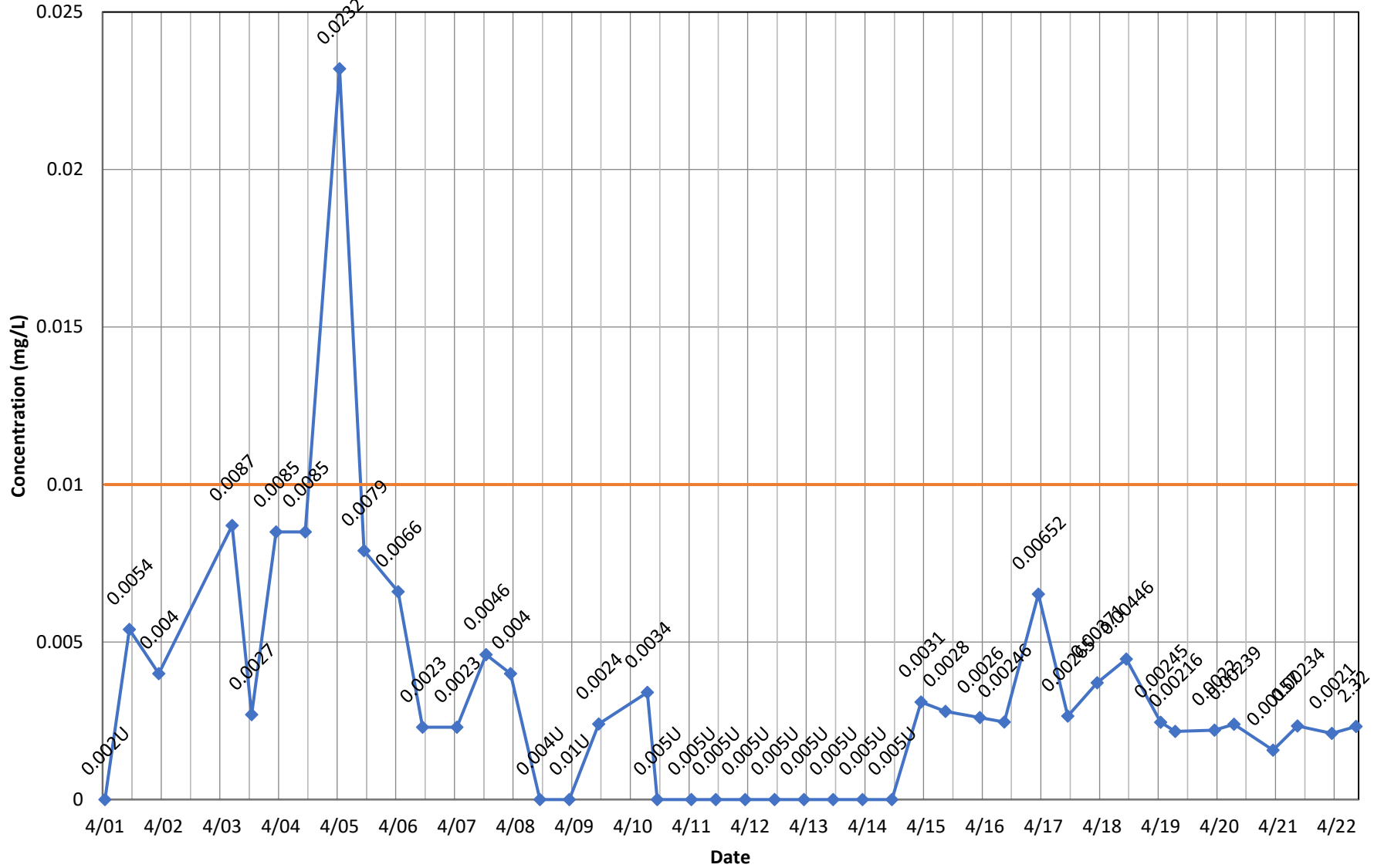
◆ Concentration    — Current\_MCL

# Monitoring Well OB03 - 1,2-Dichloropropane



Concentration Current\_MCL

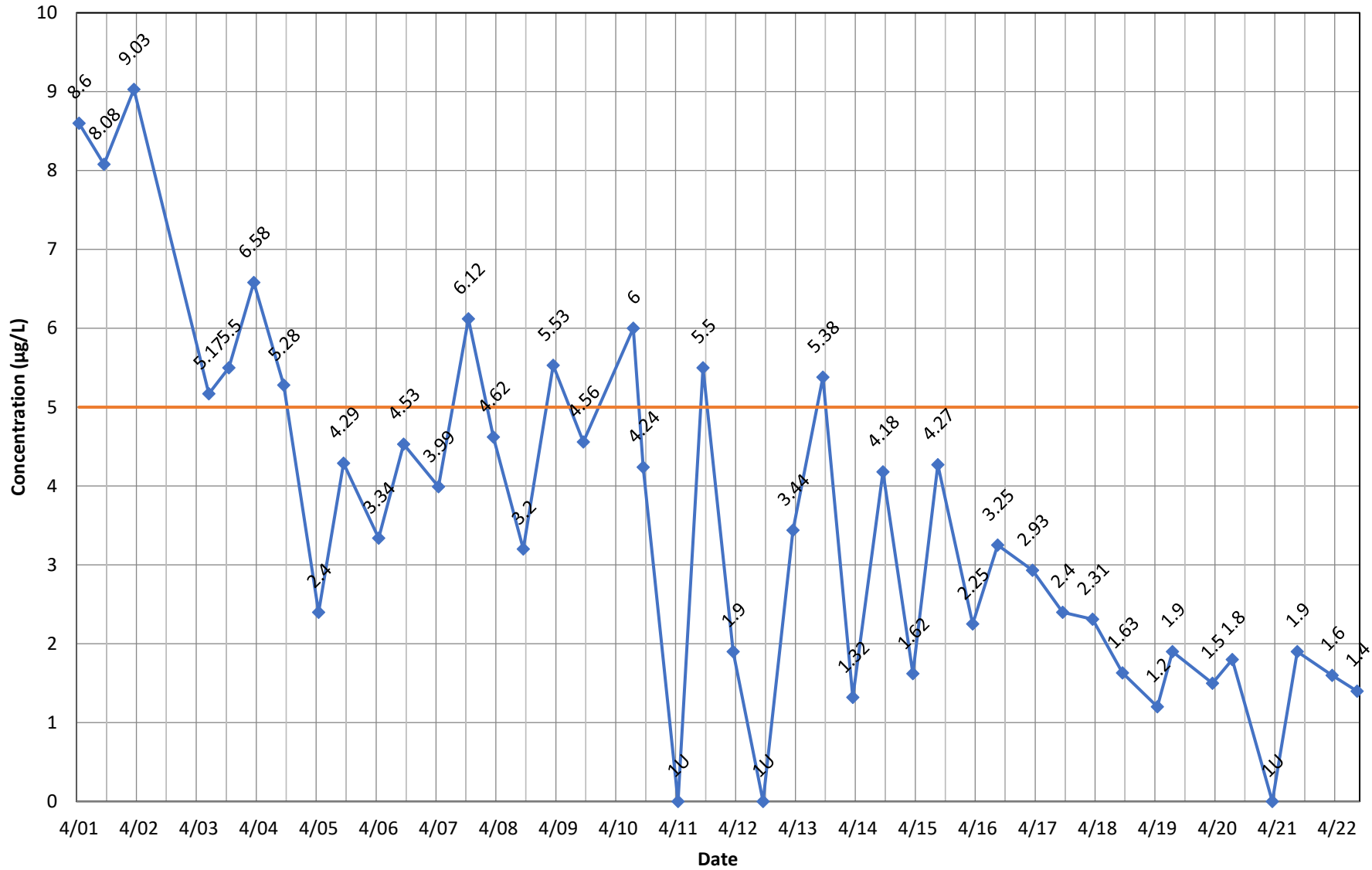
### Monitoring Well OB03 - Arsenic, total



◆ Concentration    — Current\_MCL

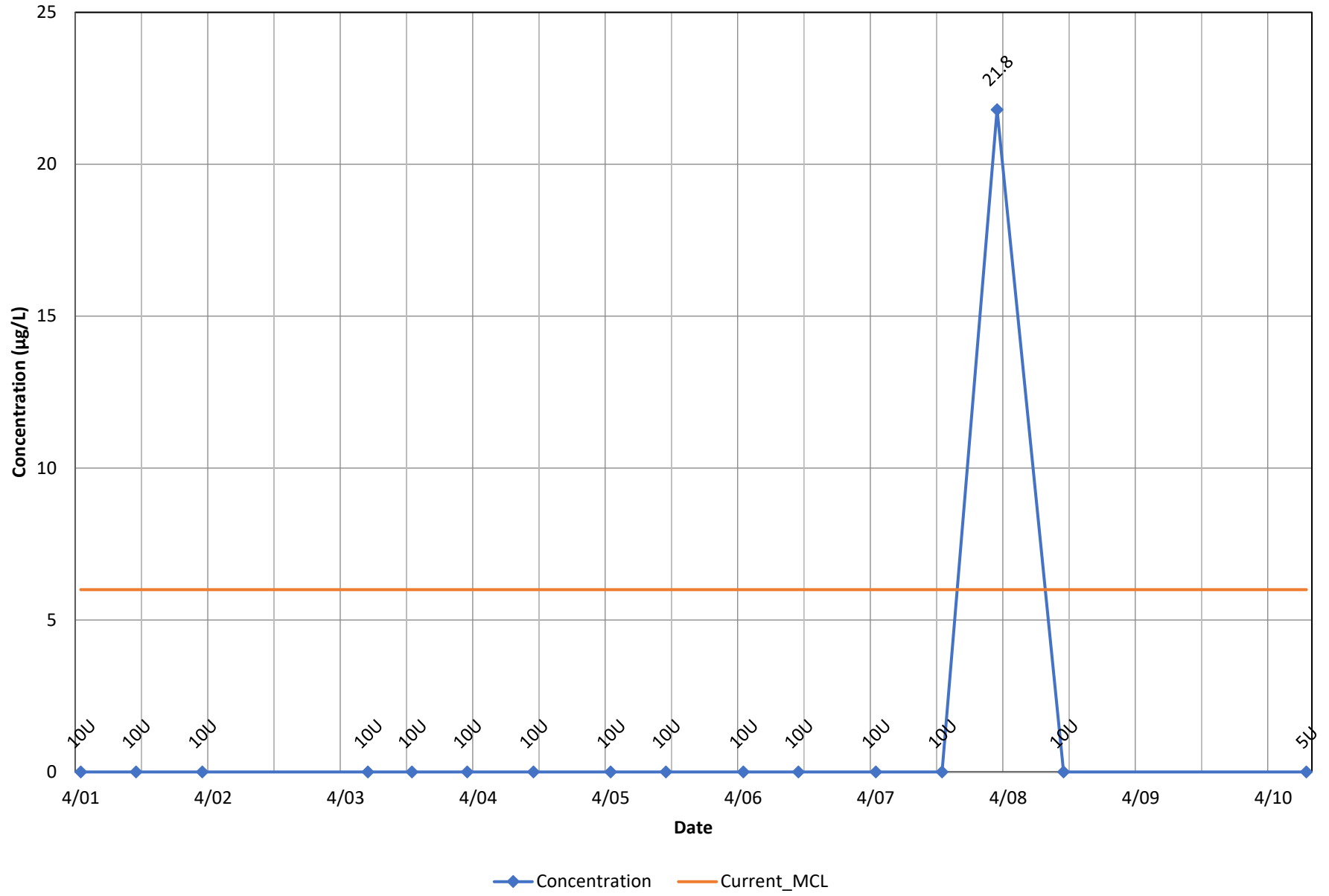


# Monitoring Well OB03 - Benzene

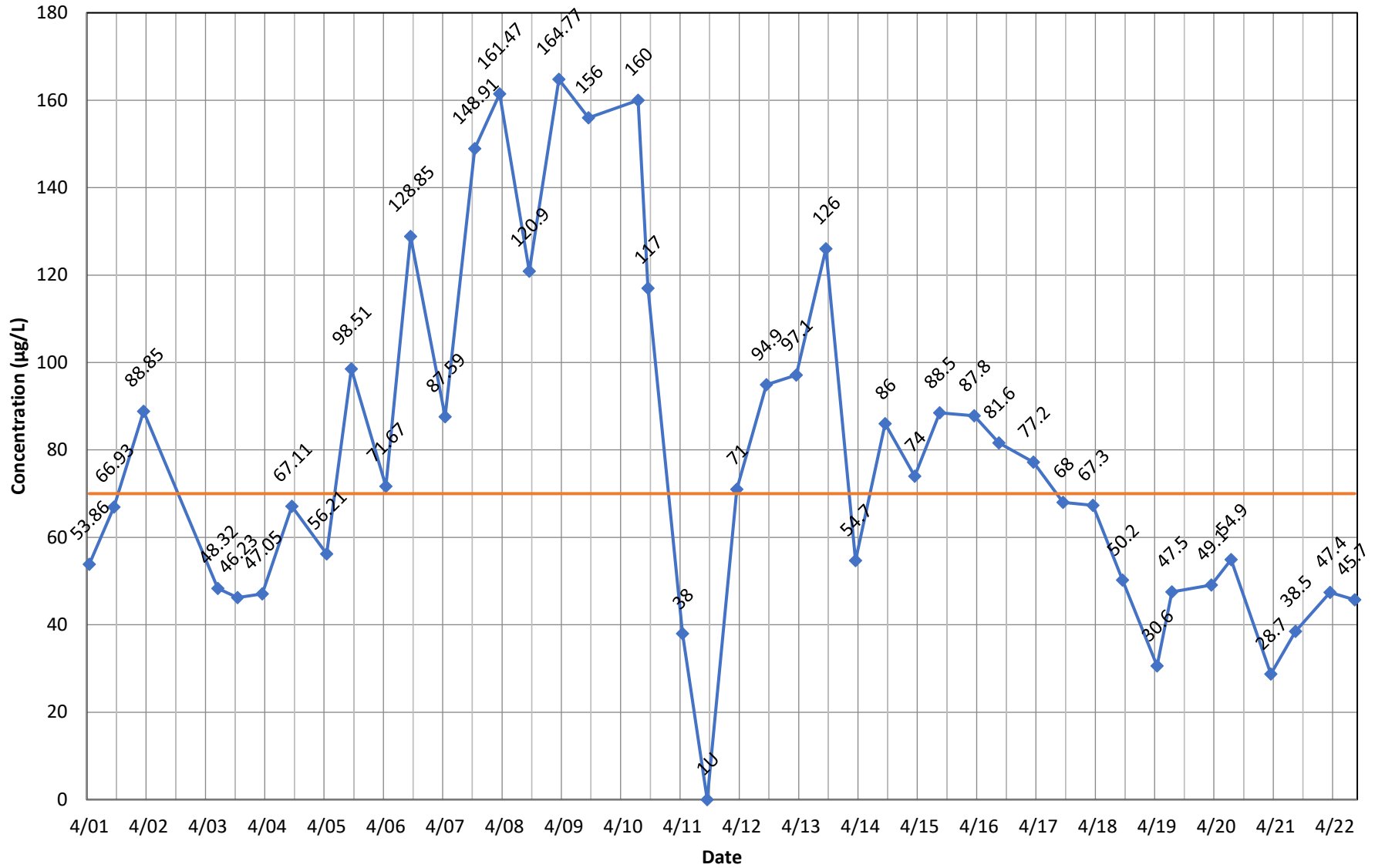


◆ Concentration    — Current\_MCL

### Monitoring Well OB03 - Bis(2-Ethylhexyl) Phthalate

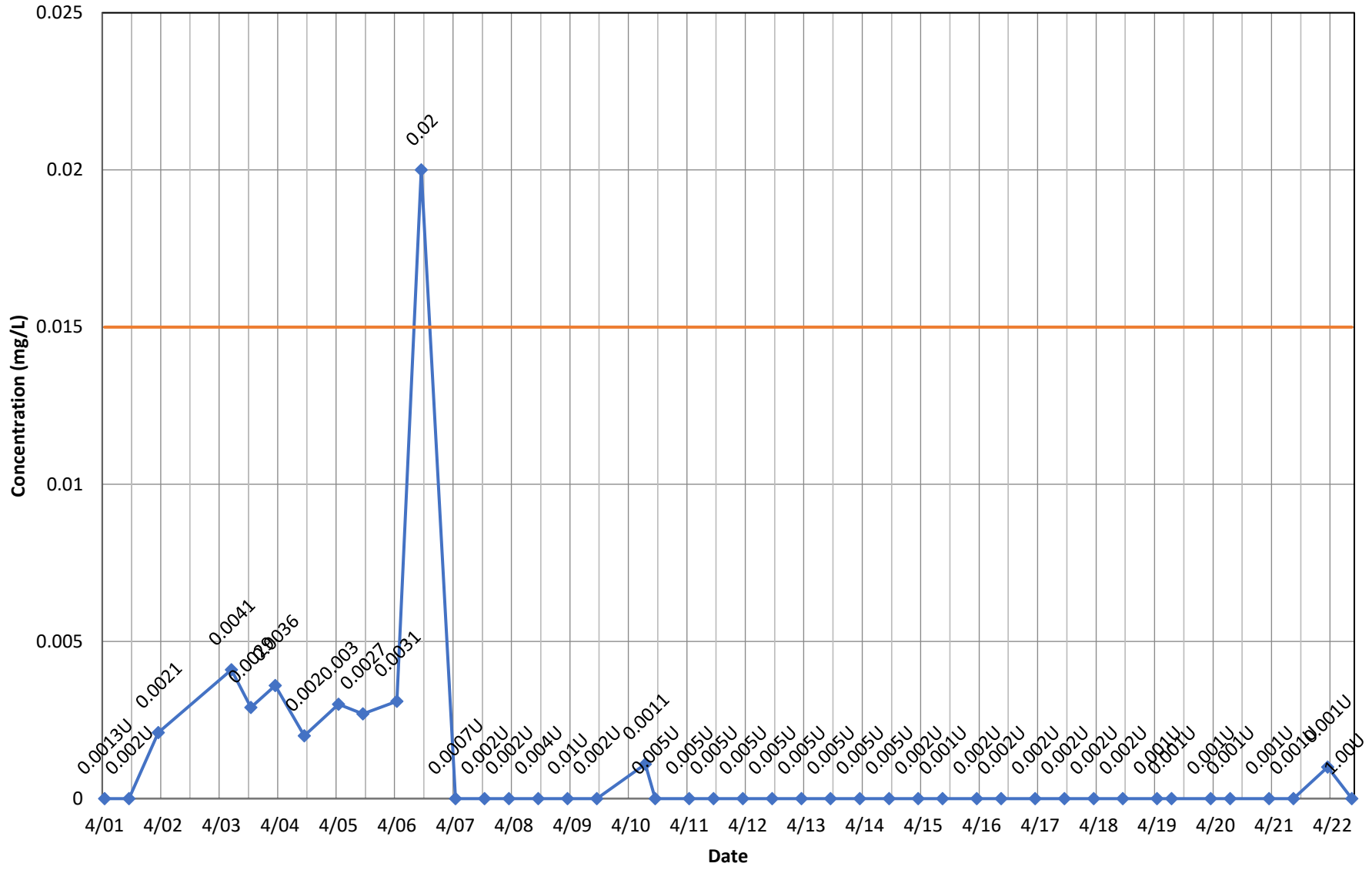


# Monitoring Well OB03 - cis-1,2-Dichloroethene



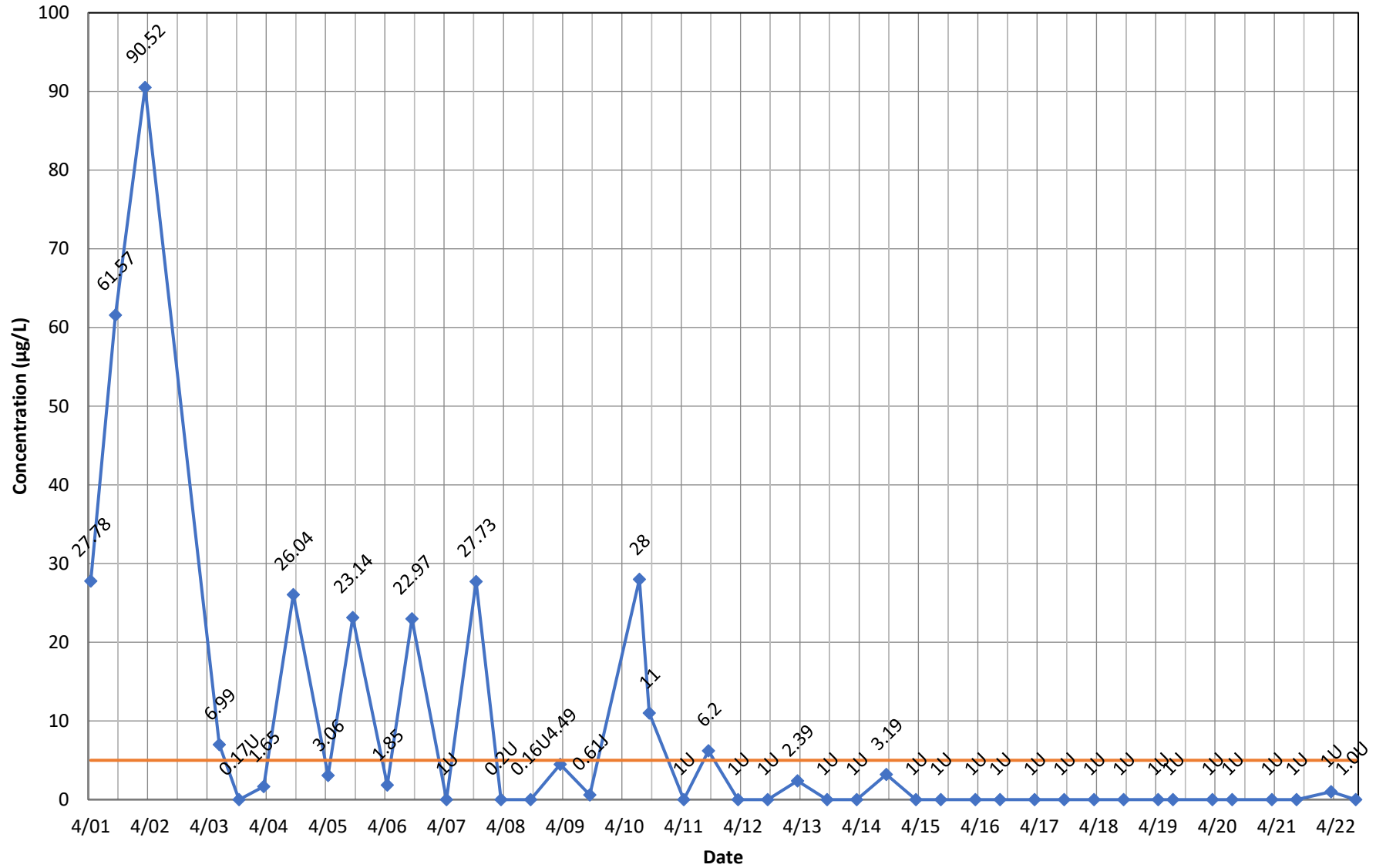
◆ Concentration    — Current\_MCL

### Monitoring Well OB03 - Lead, total



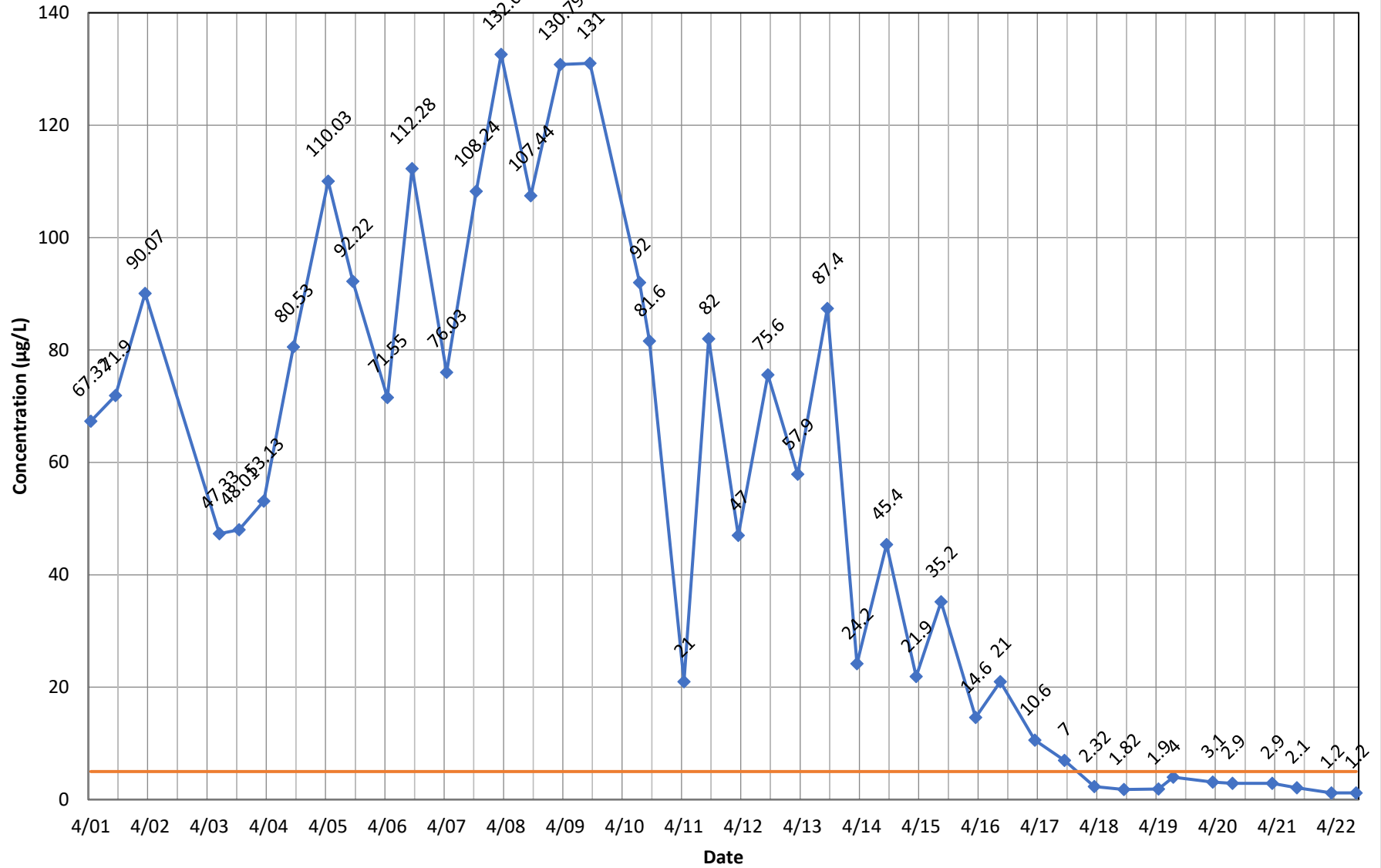
◆ Concentration    — Current\_MCL

# Monitoring Well OB03 - Tetrachloroethene



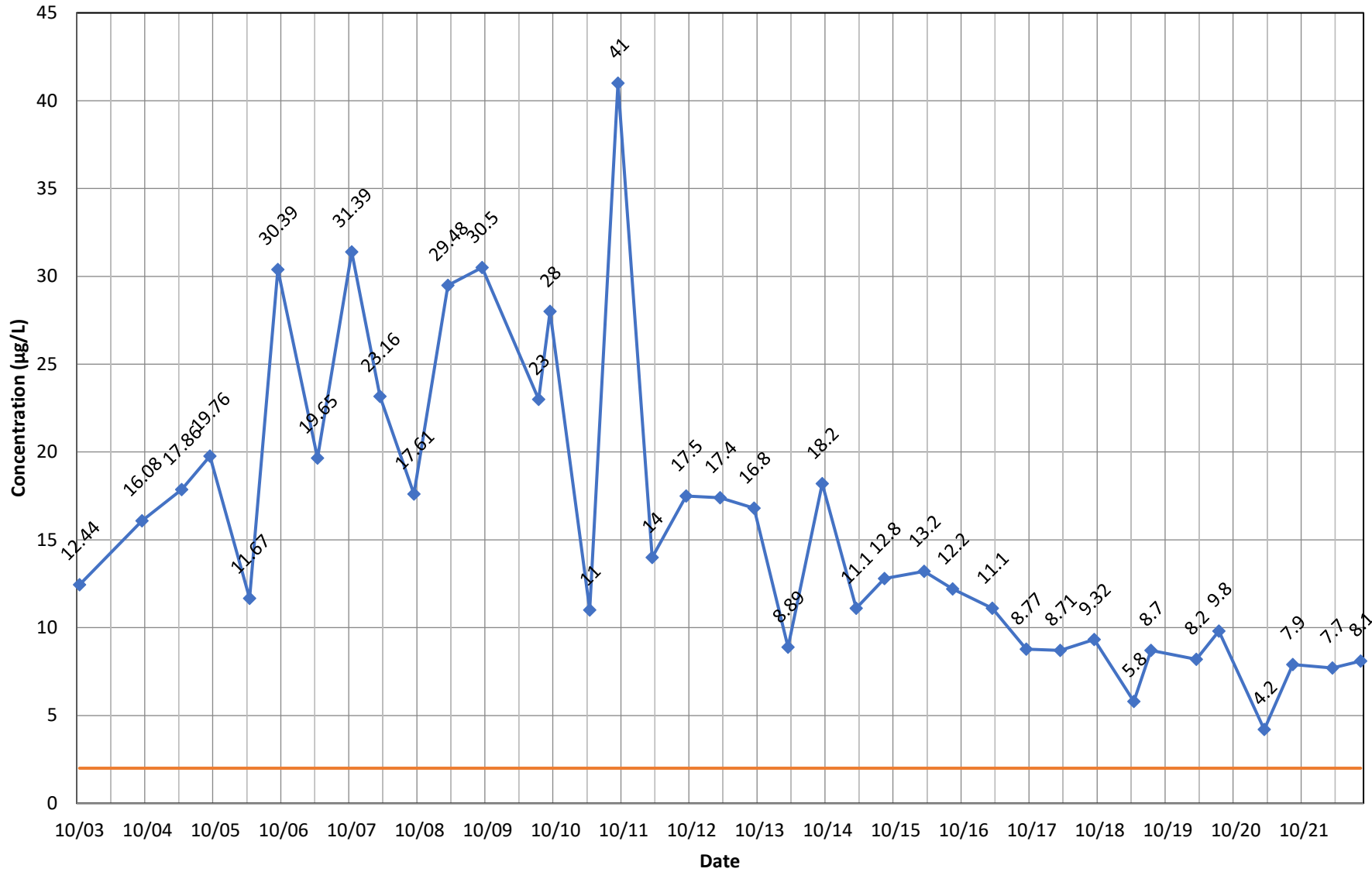
◆ Concentration    — Current\_MCL

# Monitoring Well OB03 - Trichloroethene



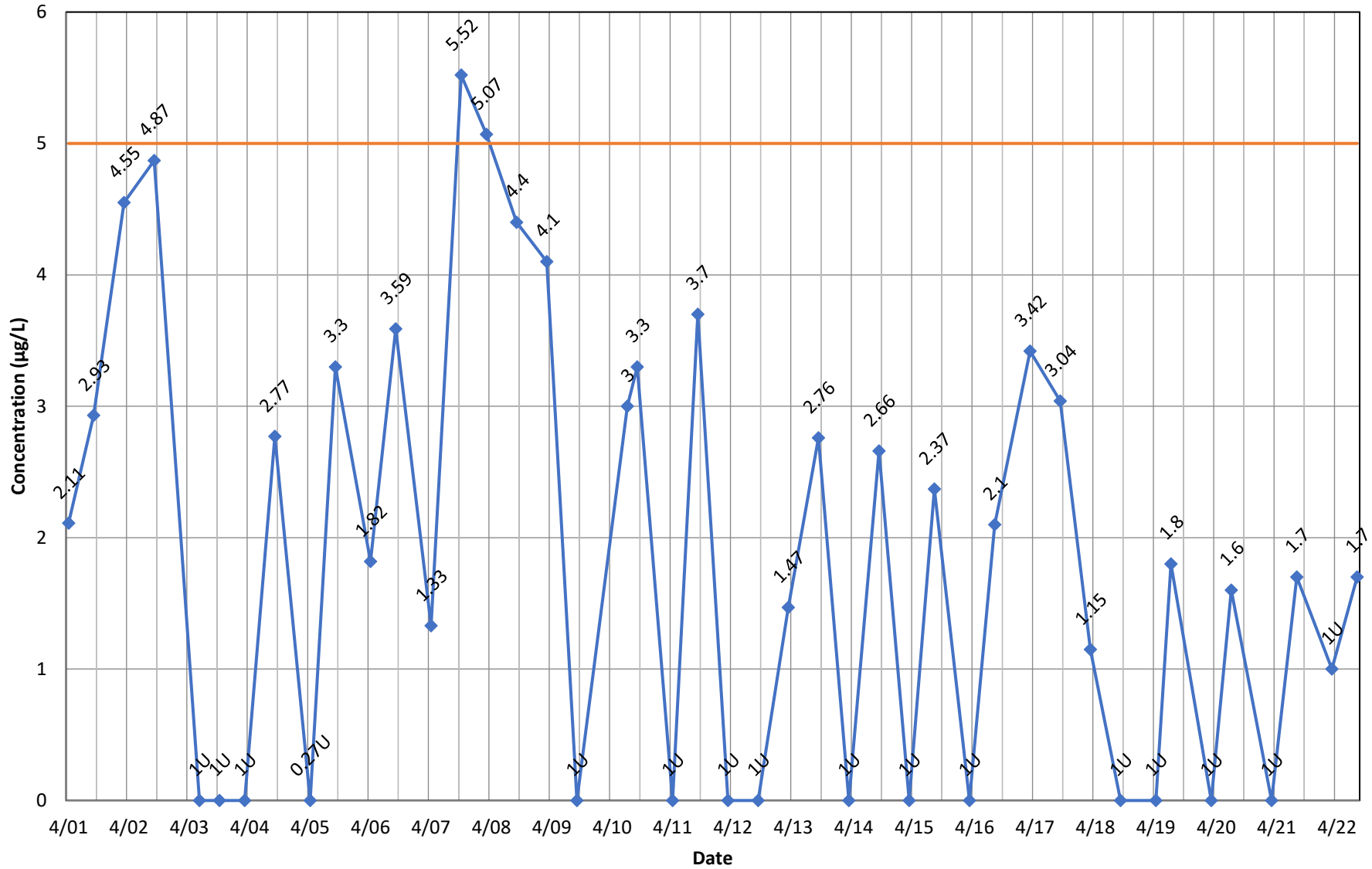
◆ Concentration    — Current\_MCL

# Monitoring Well OB03 - Vinyl Chloride



◆ Concentration    — Current\_MCL

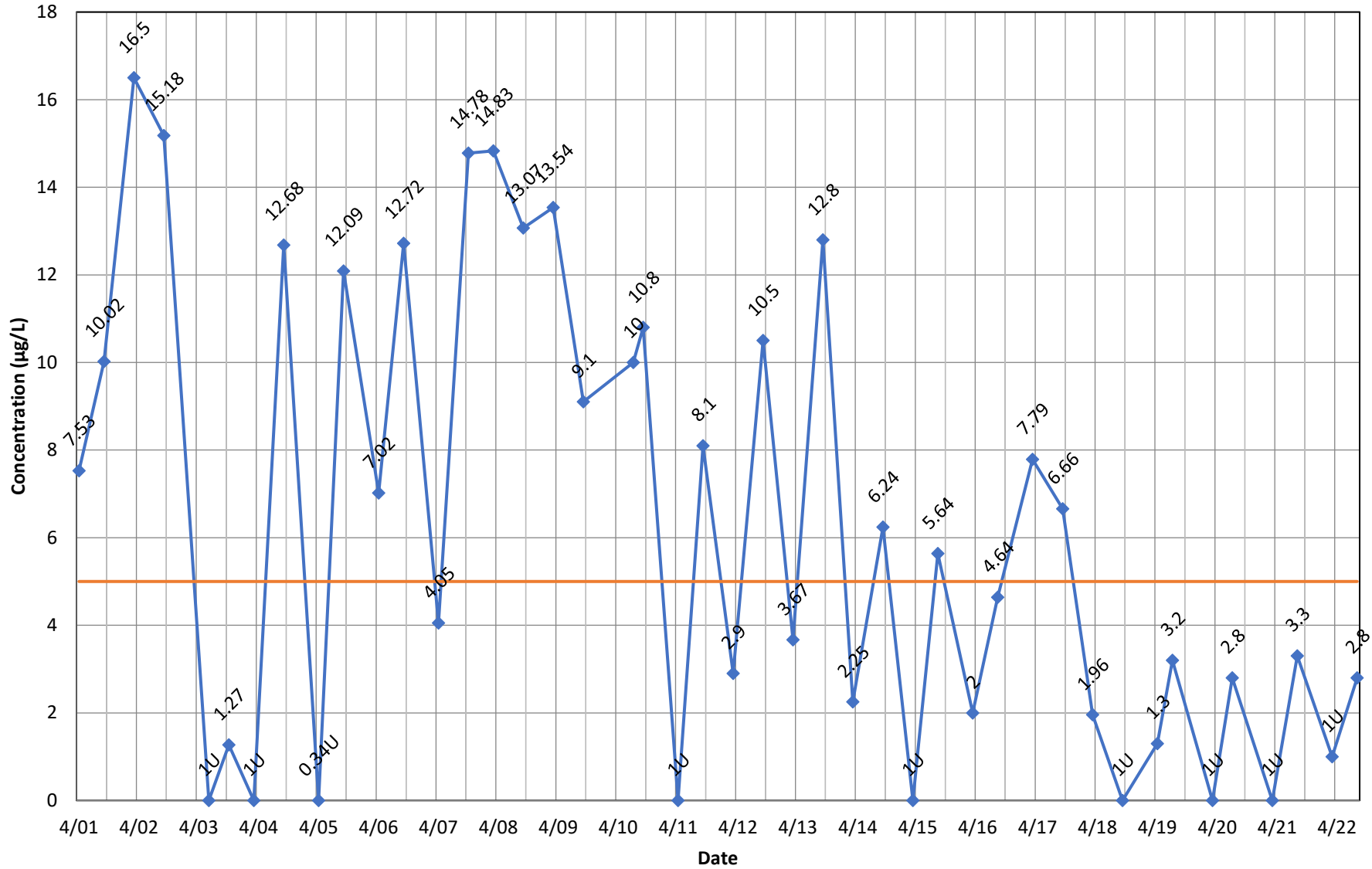
# Monitoring Well OB03A - 1,2-Dichloroethane



◆ Concentration    — Current\_MCL

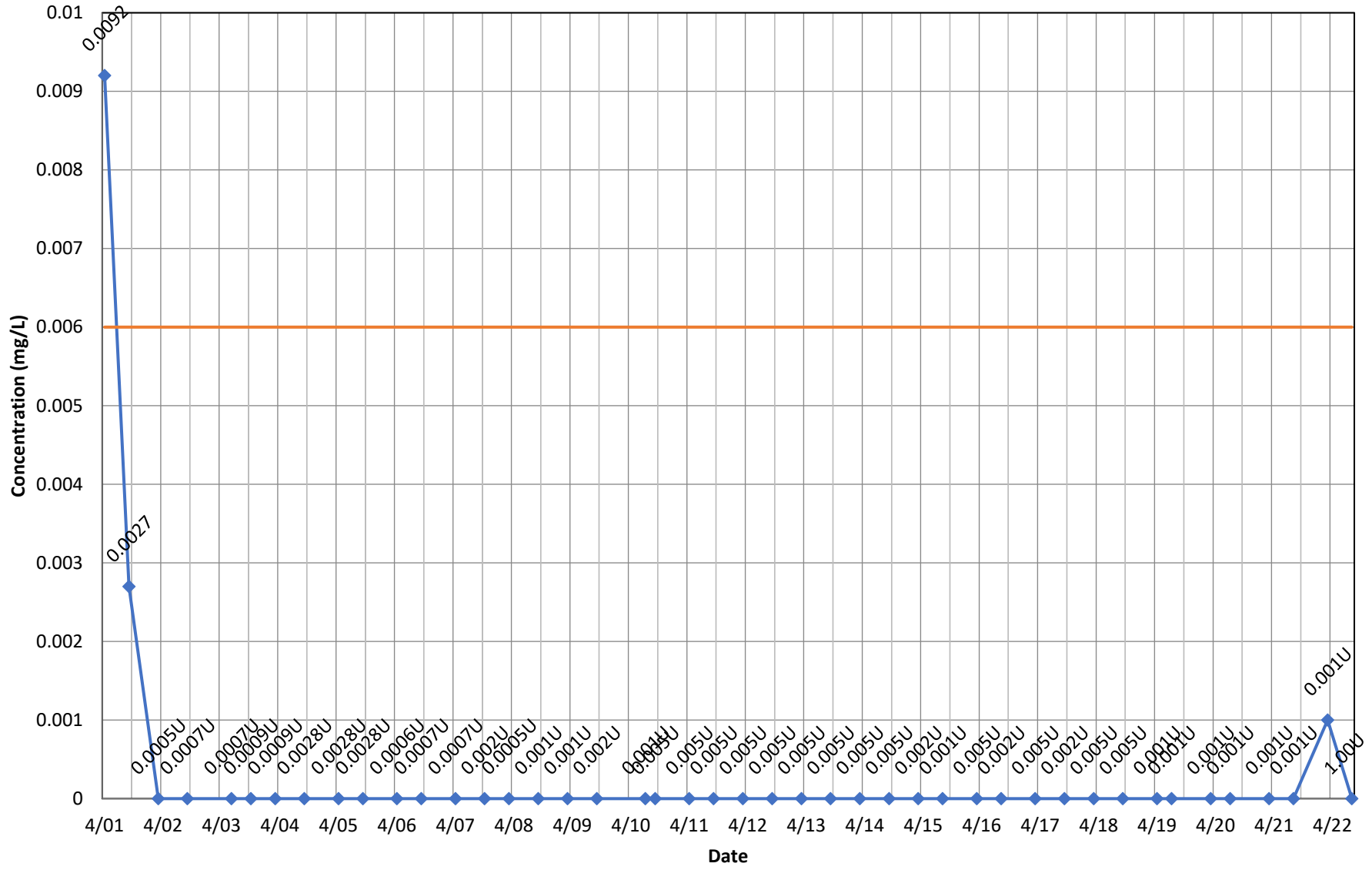


# Monitoring Well OB03A - 1,2-Dichloropropane



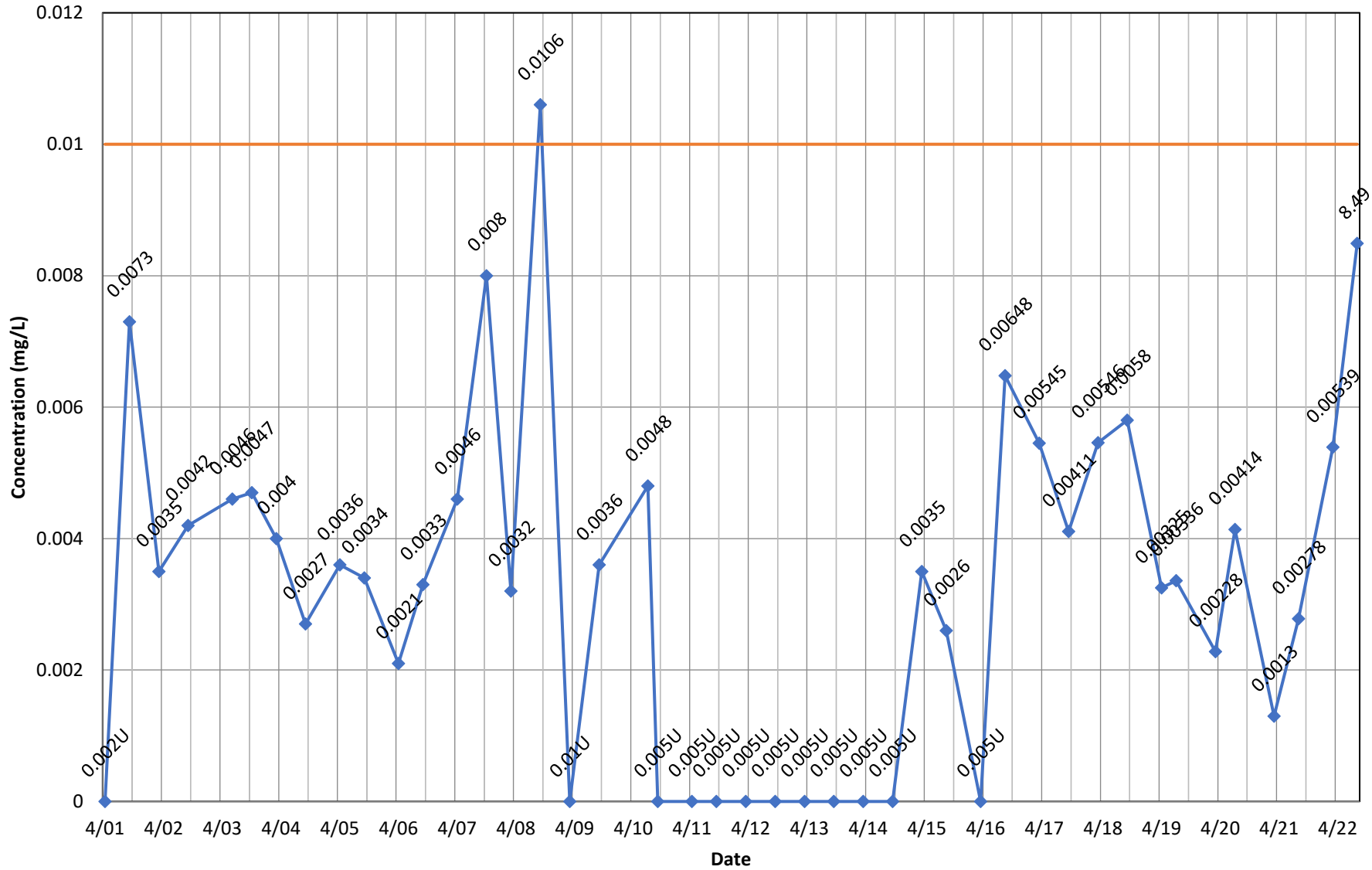
◆ Concentration    — Current\_MCL

# Monitoring Well OB03A - Antimony, total



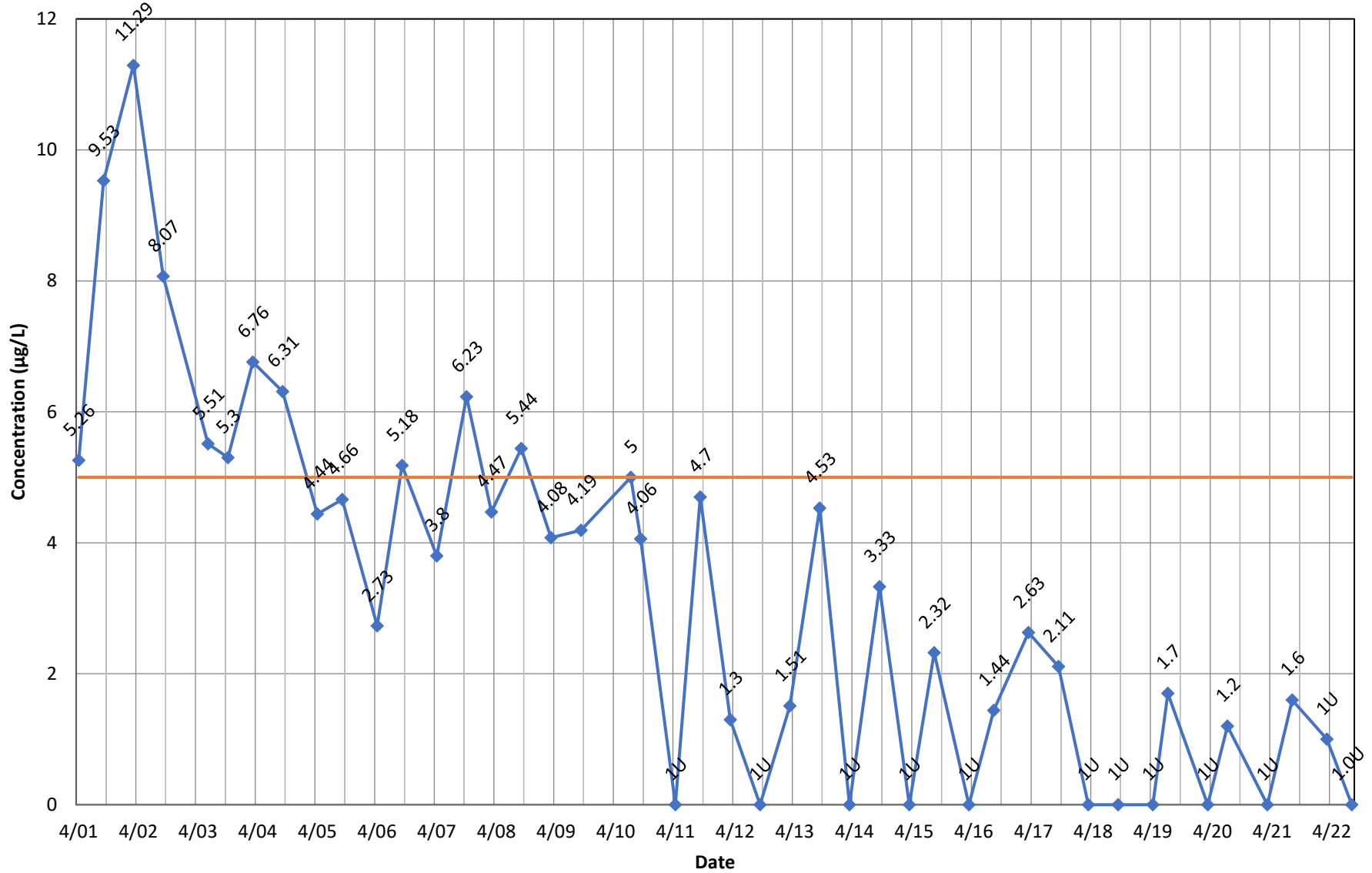
◆ Concentration    — Current\_MCL

# Monitoring Well OB03A - Arsenic, total



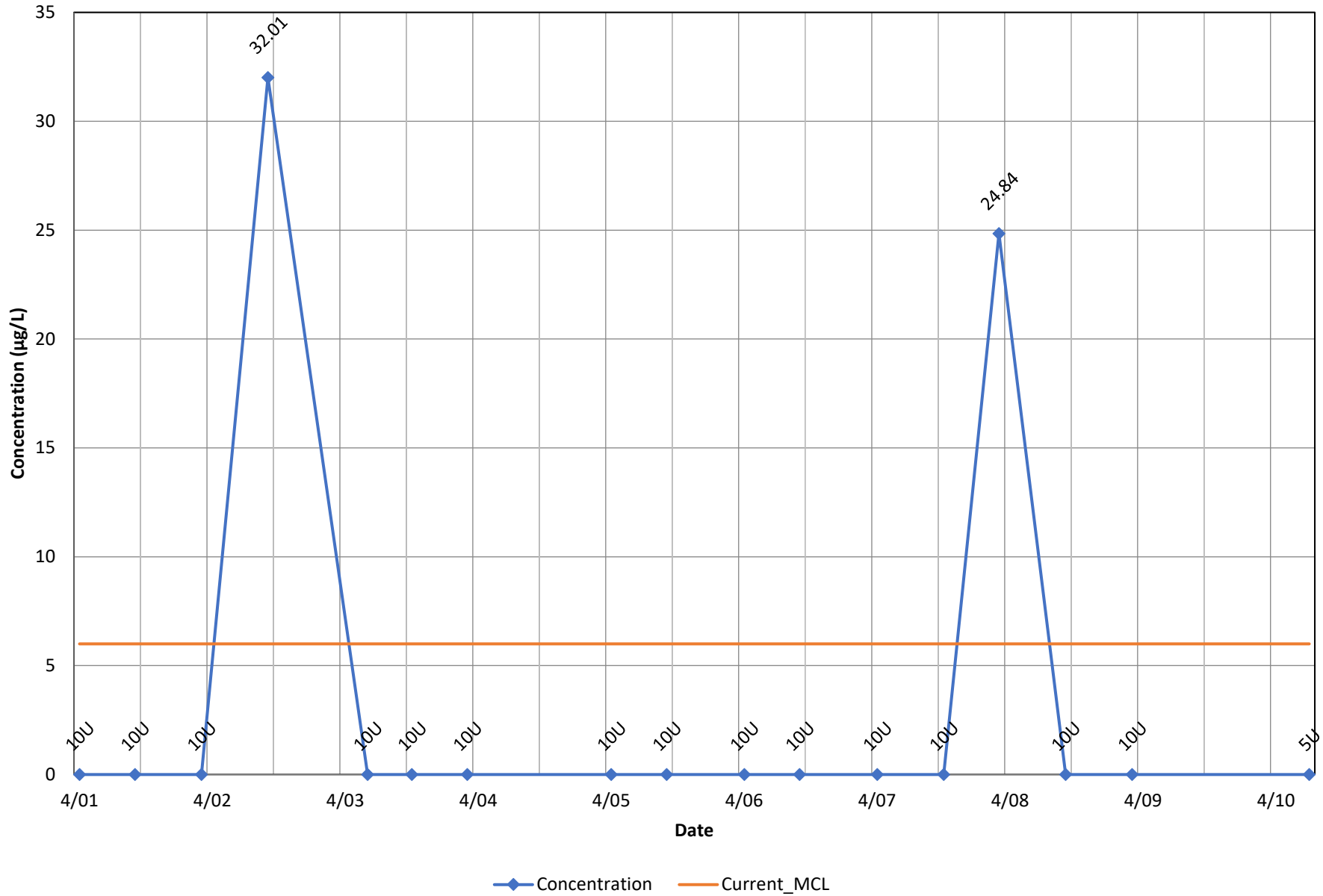
◆ Concentration    — Current\_MCL

# Monitoring Well OB03A - Benzene

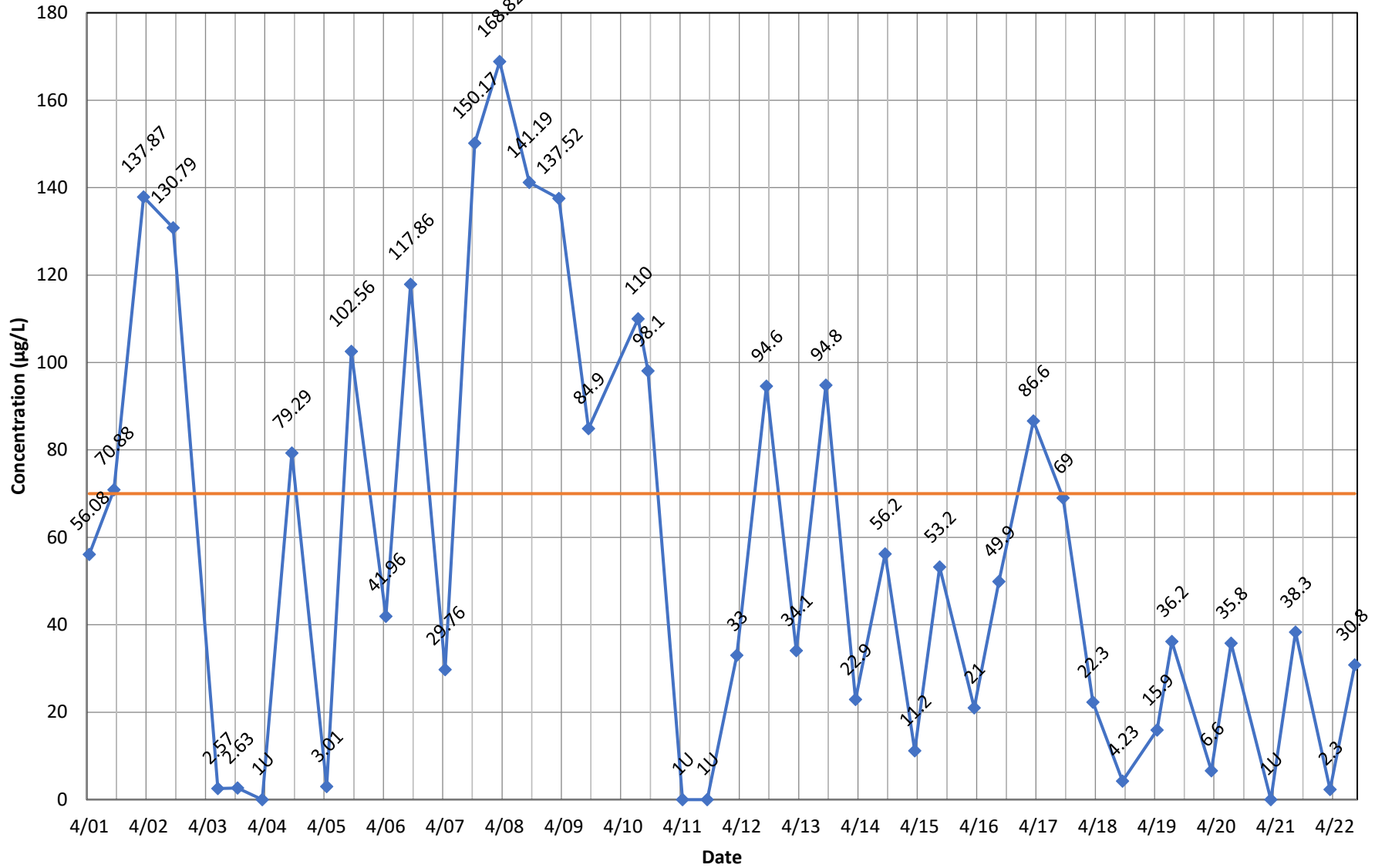


◆ Concentration    — Current\_MCL

### Monitoring Well OB03A - Bis(2-Ethylhexyl) Phthalate

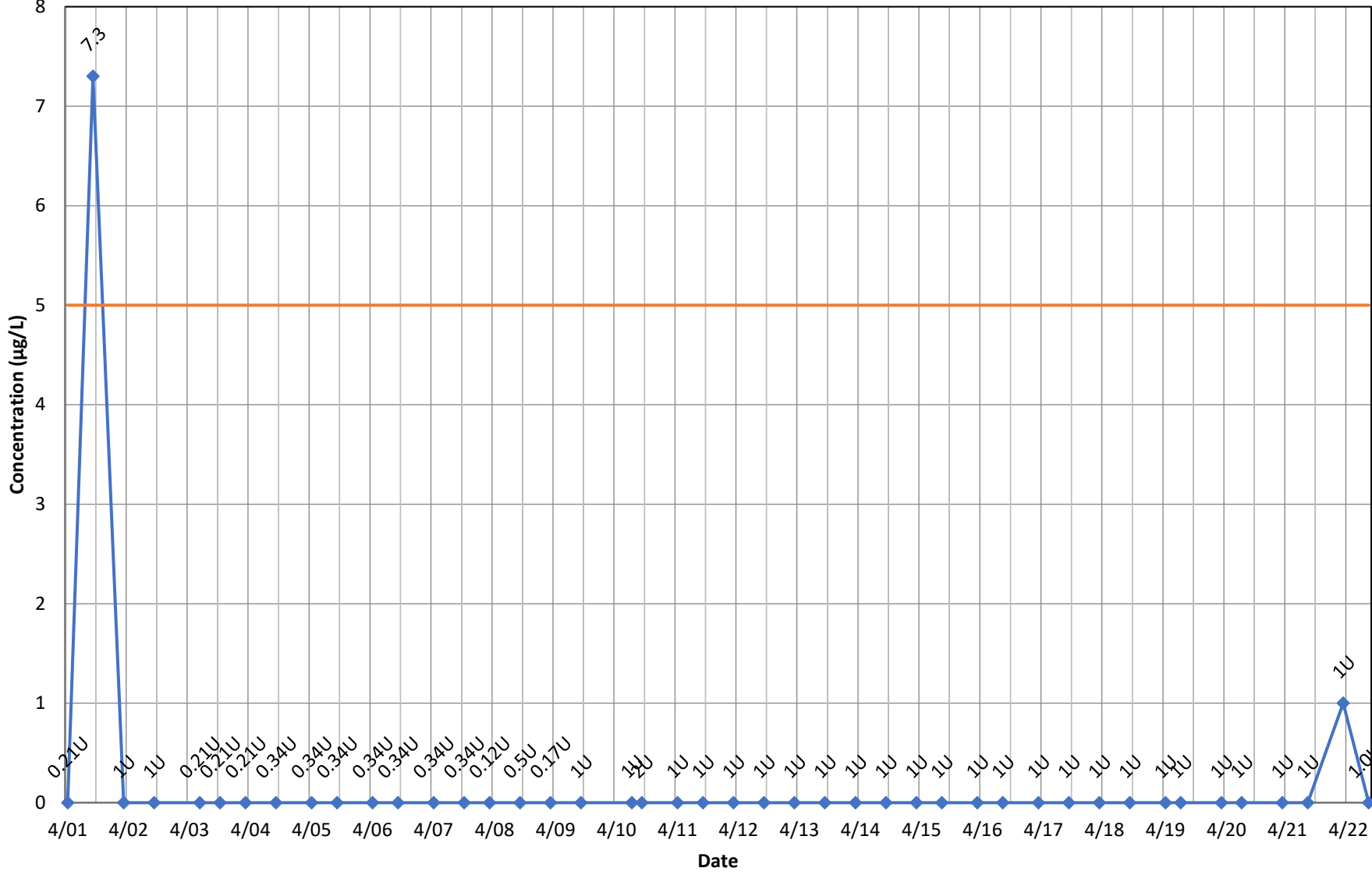


# Monitoring Well OB03A - cis-1,2-Dichloroethene



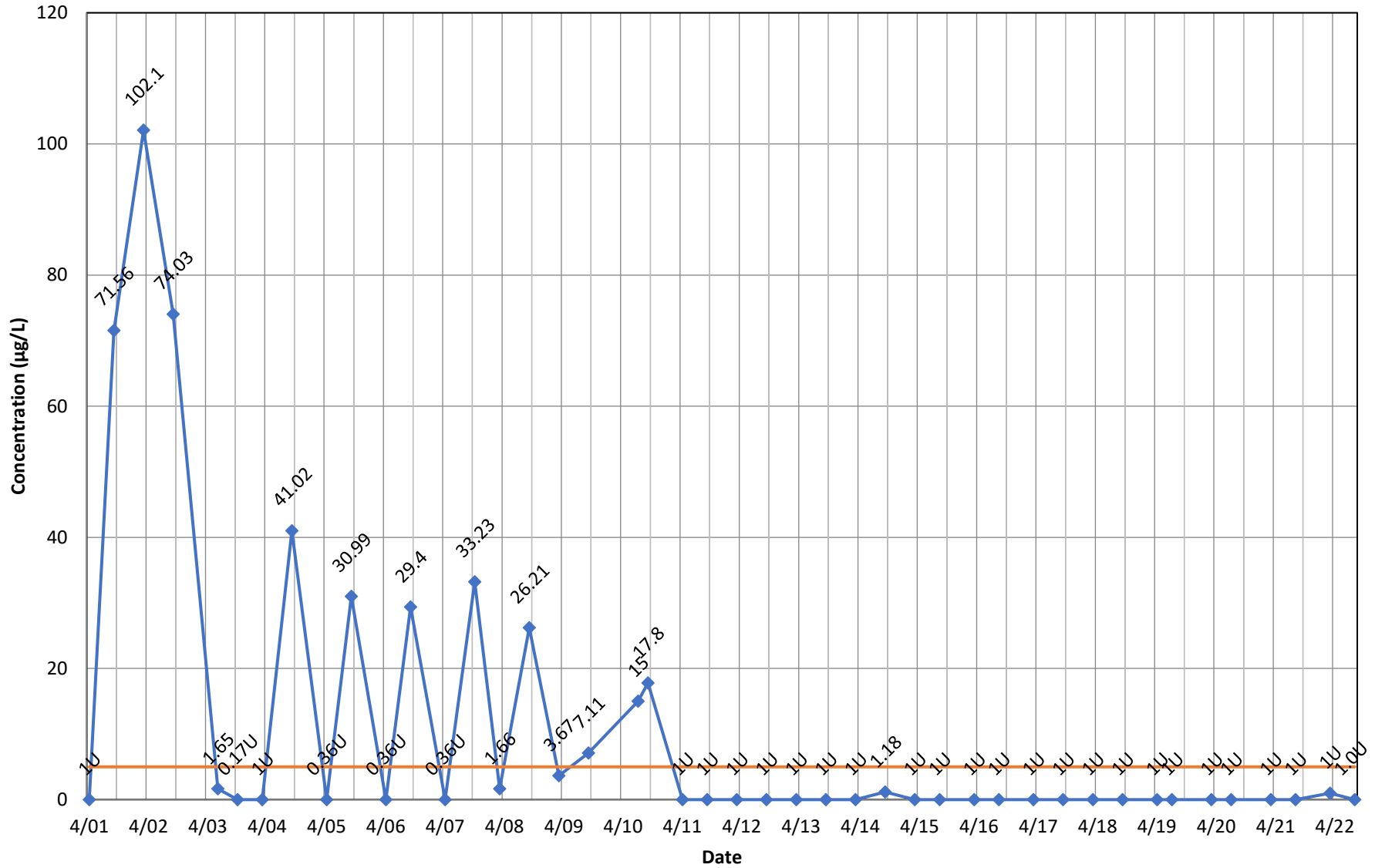
◆ Concentration    — Current\_MCL

### Monitoring Well OB03A - Methylene Chloride



◆ Concentration    — Current\_MCL

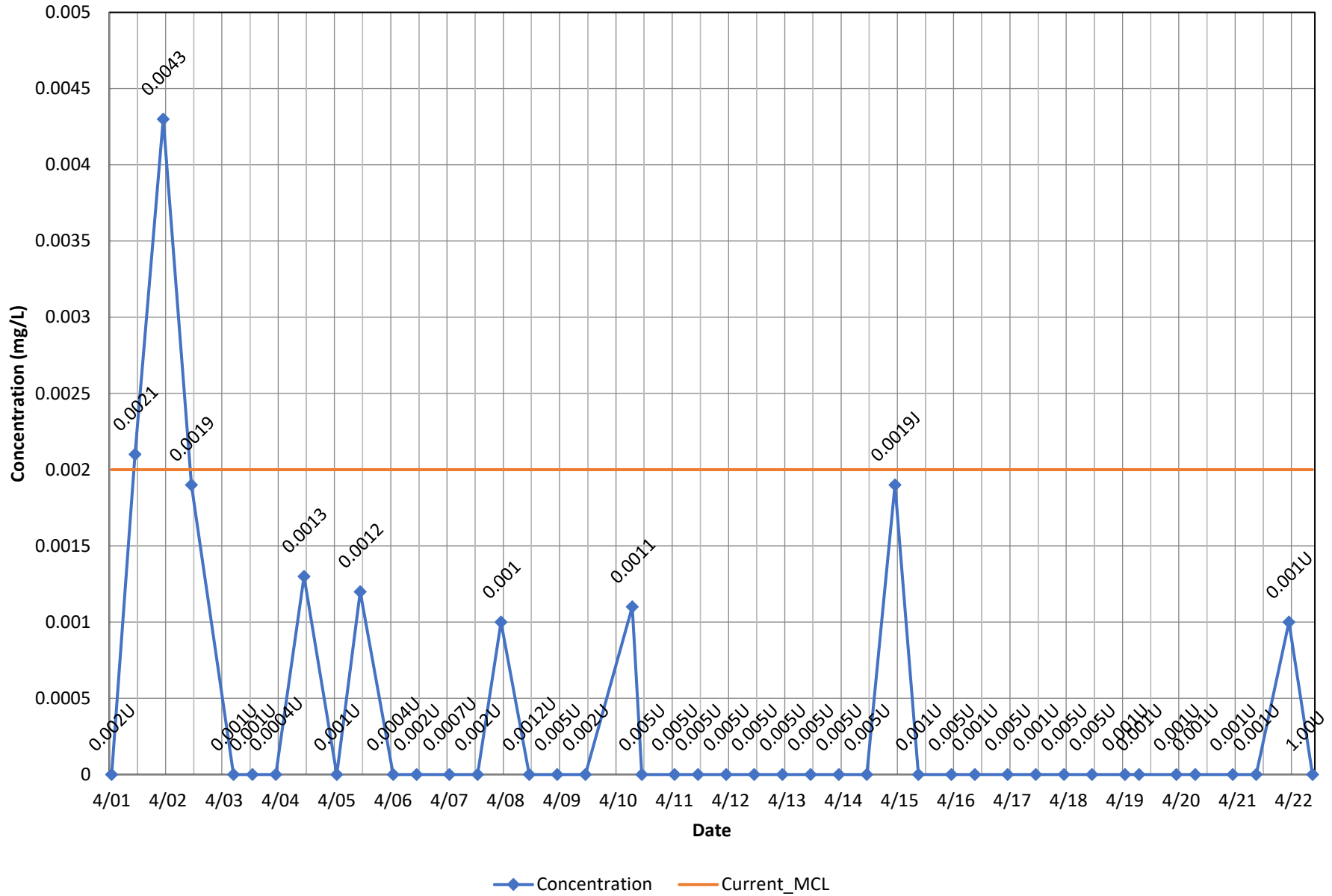
# Monitoring Well OB03A - Tetrachloroethene



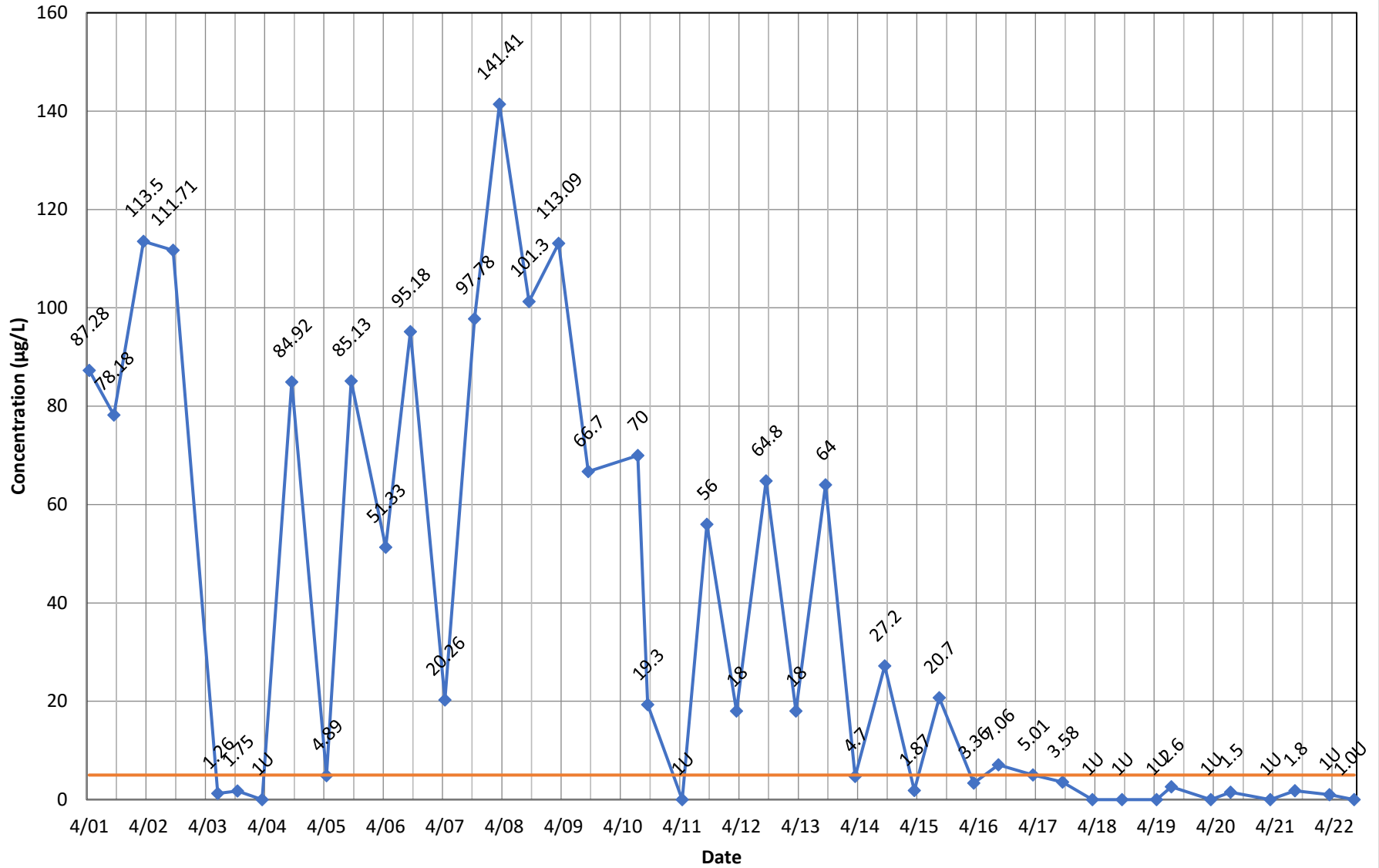
◆ Concentration    — Current\_MCL



### Monitoring Well OB03A - Thallium, total

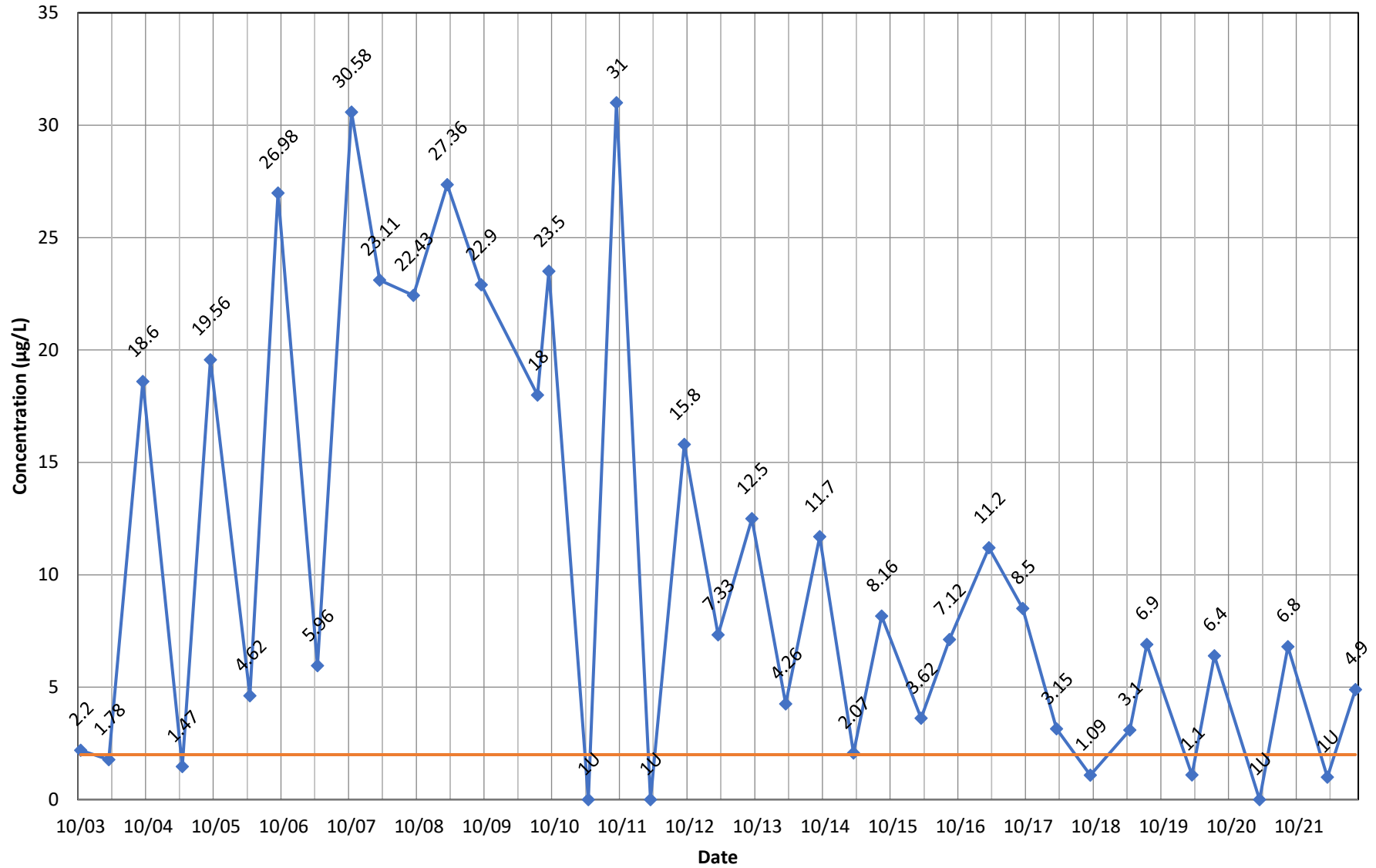


# Monitoring Well OB03A - Trichloroethene



◆ Concentration    — Current\_MCL

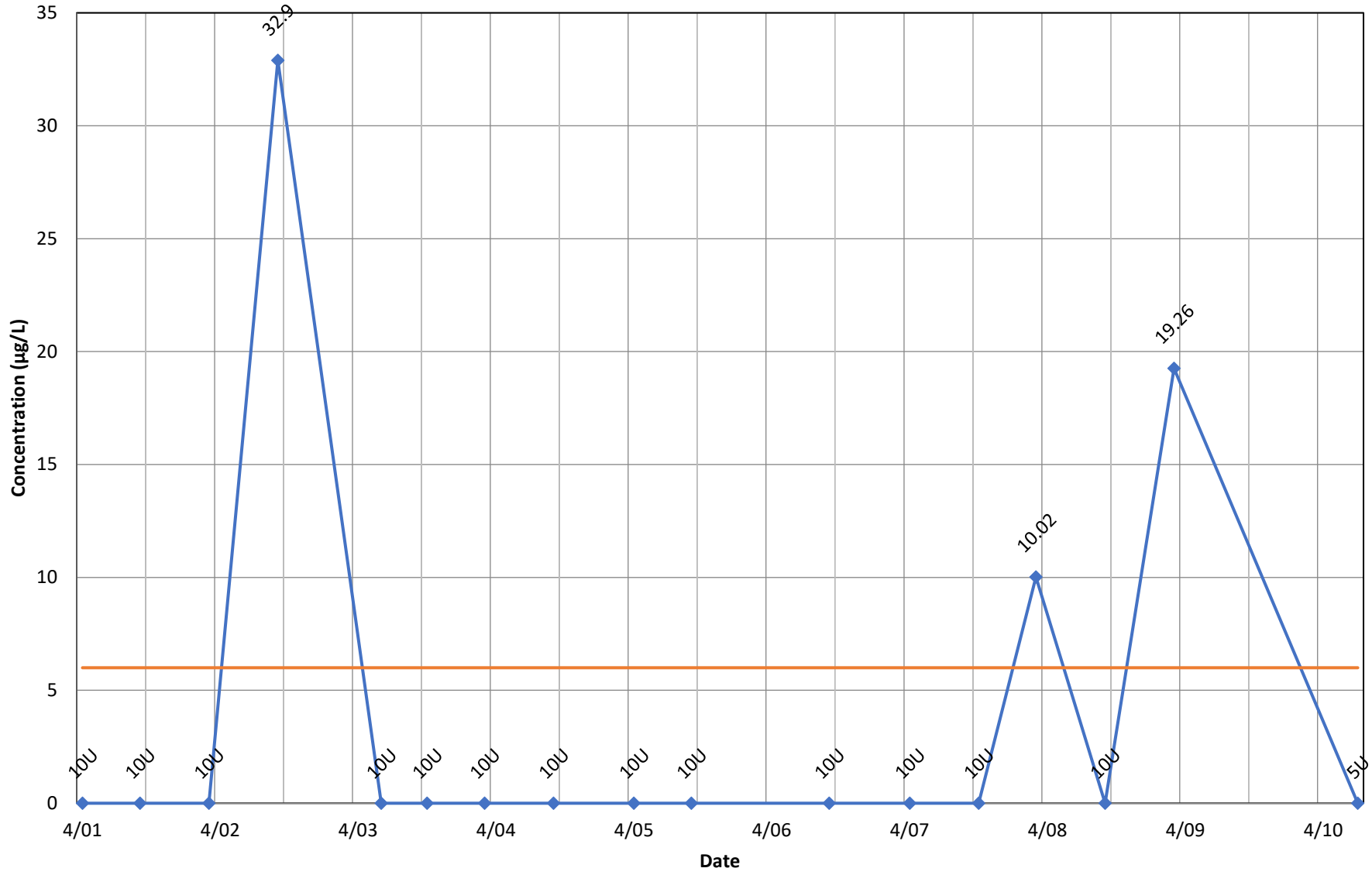
# Monitoring Well OB03A - Vinyl Chloride



◆ Concentration    — Current\_MCL

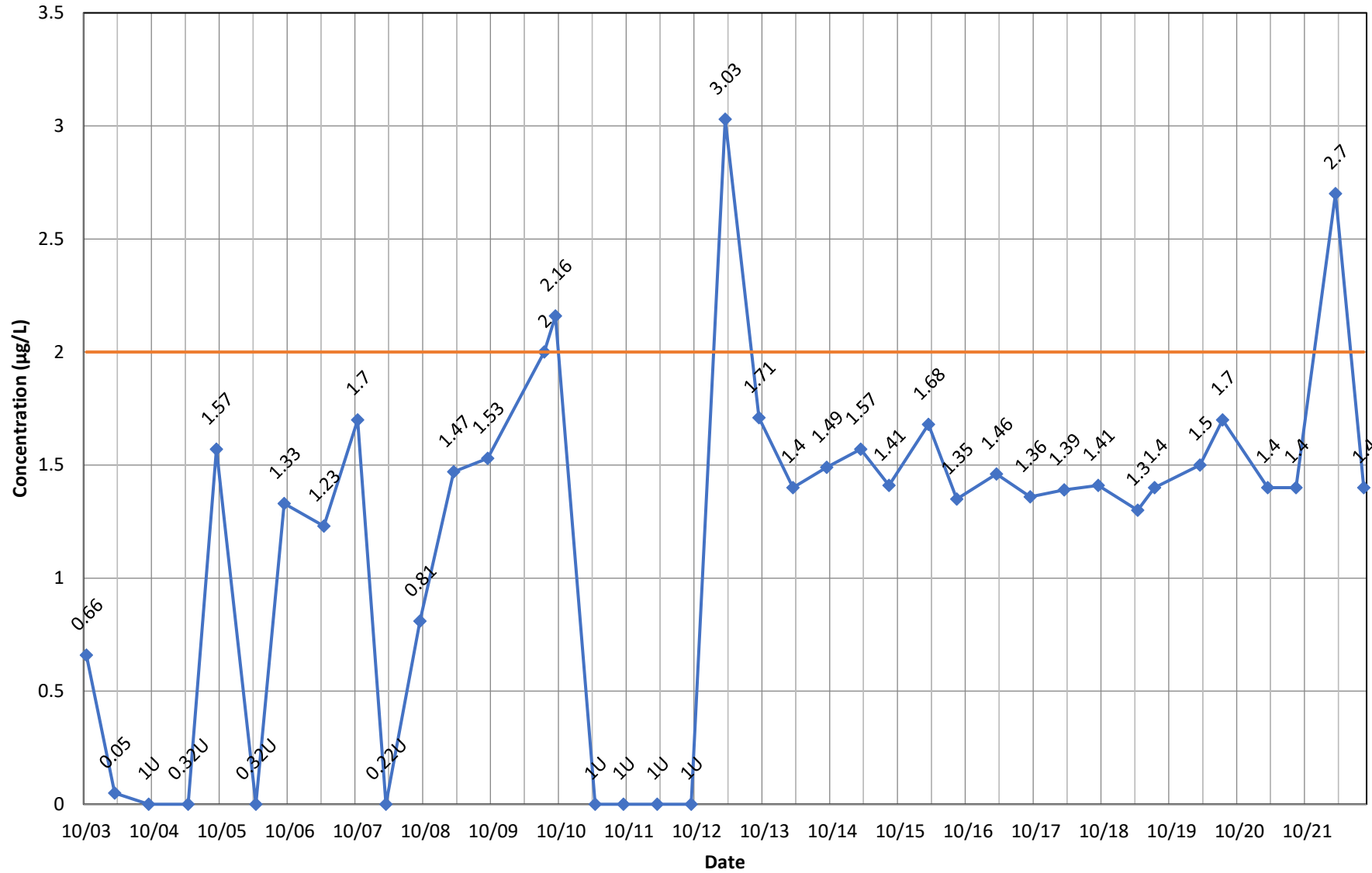


### Monitoring Well OB04 - Bis(2-Ethylhexyl) Phthalate



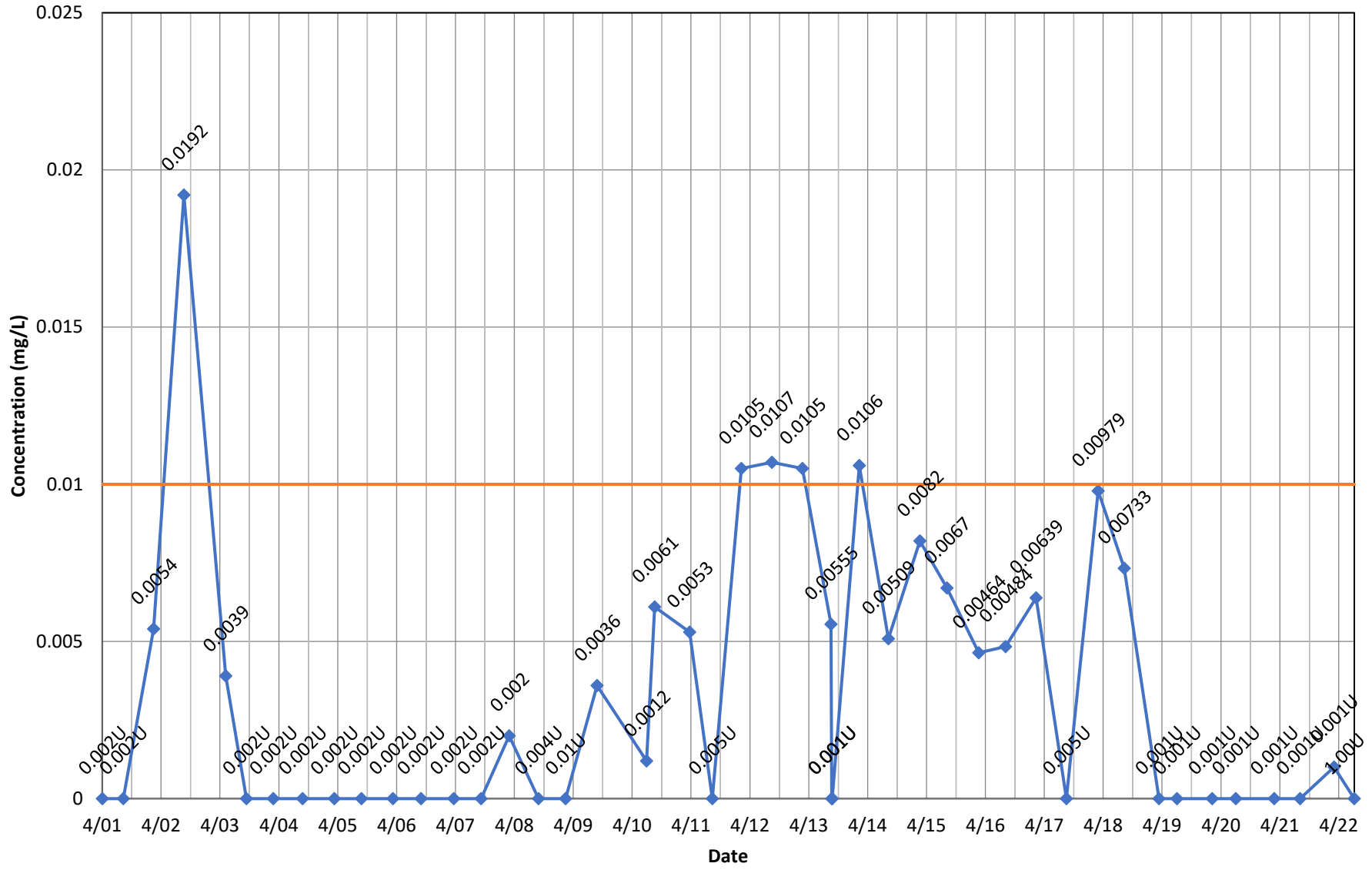
◆ Concentration    — Current\_MCL

# Monitoring Well OB04 - Vinyl Chloride



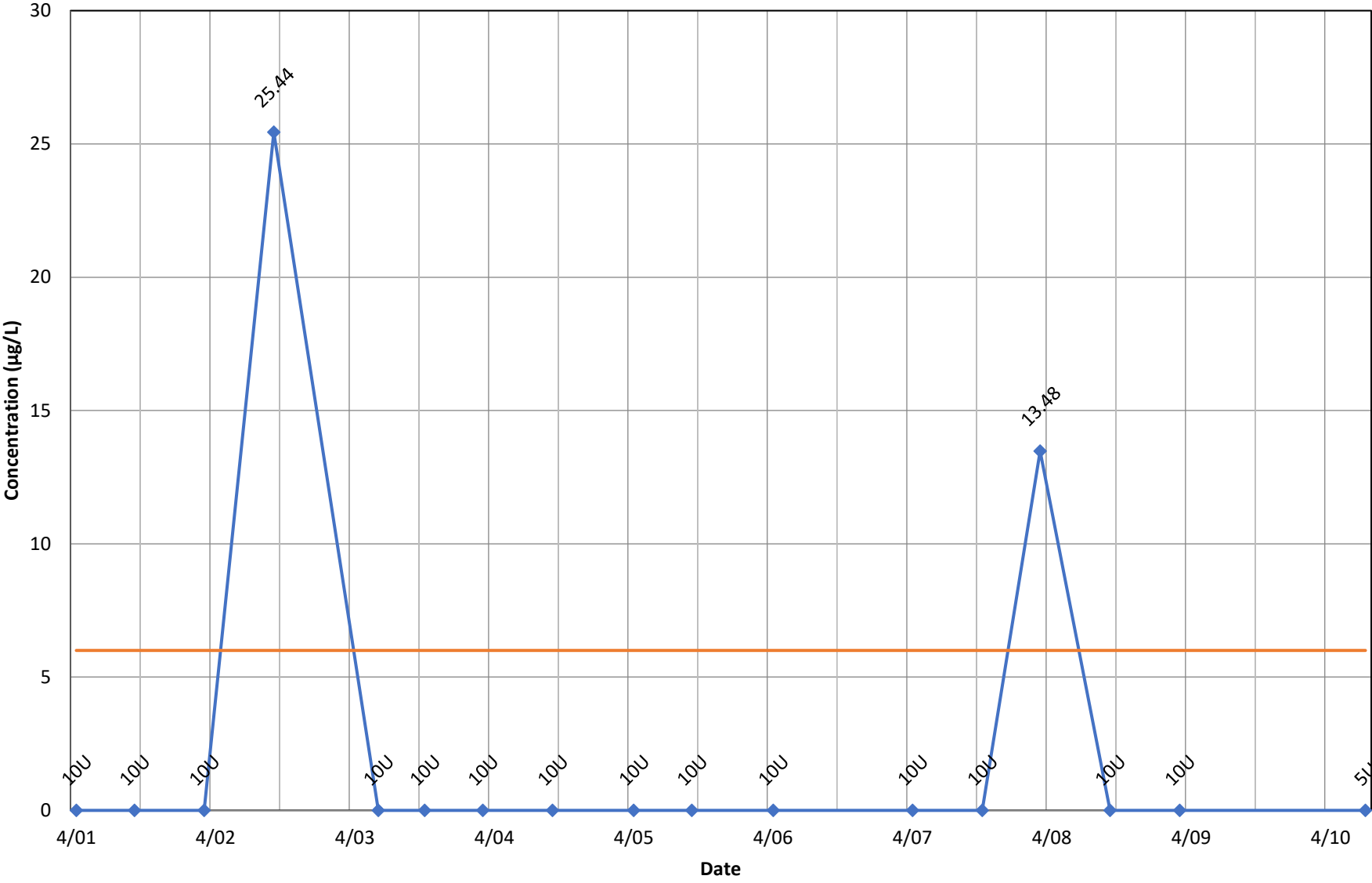
◆ Concentration    — Current\_MCL

# Monitoring Well OB04A - Arsenic, total



◆ Concentration    — Current\_MCL

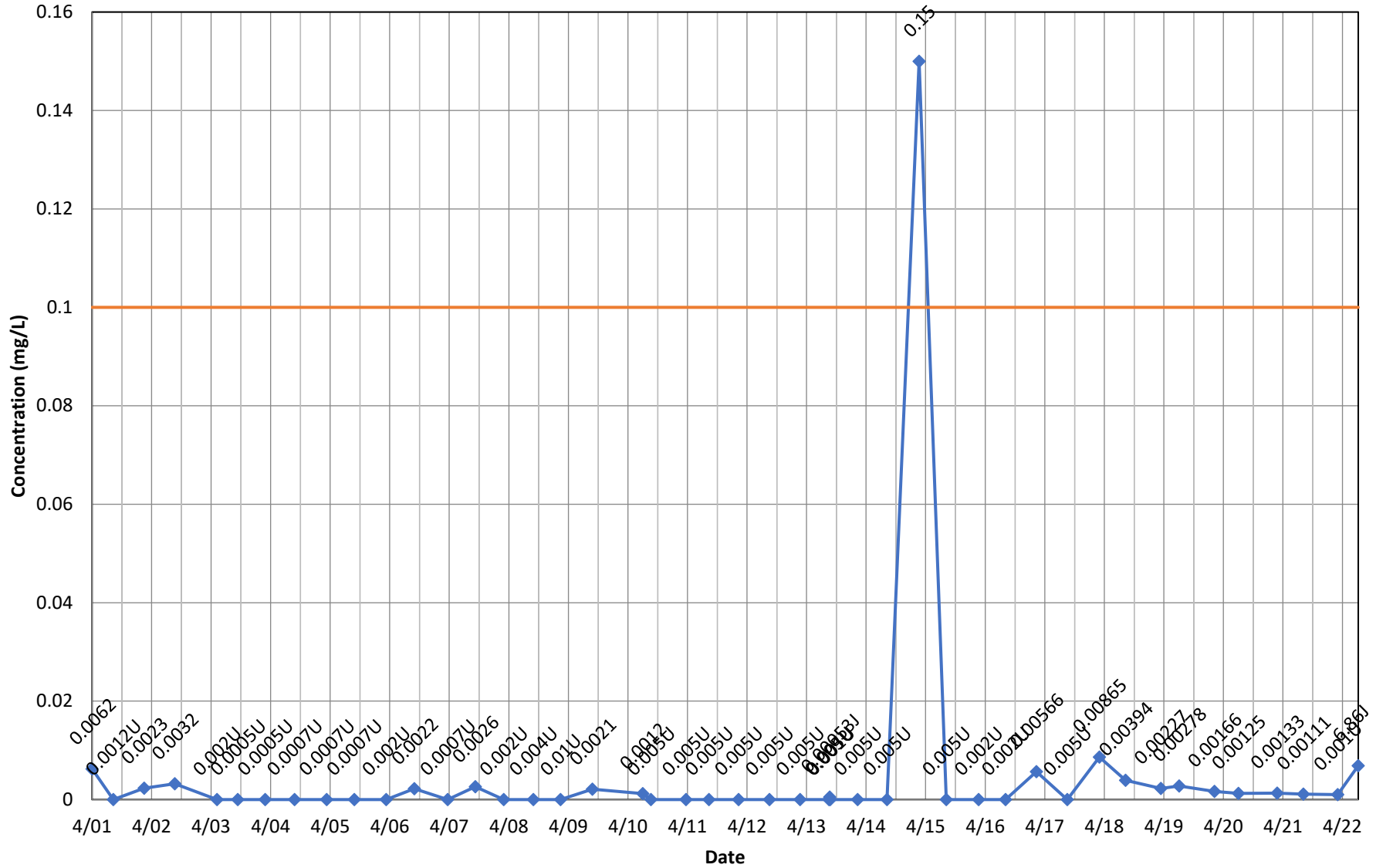
### Monitoring Well OB04A - Bis(2-Ethylhexyl) Phthalate



◆ Concentration    — Current\_MCL

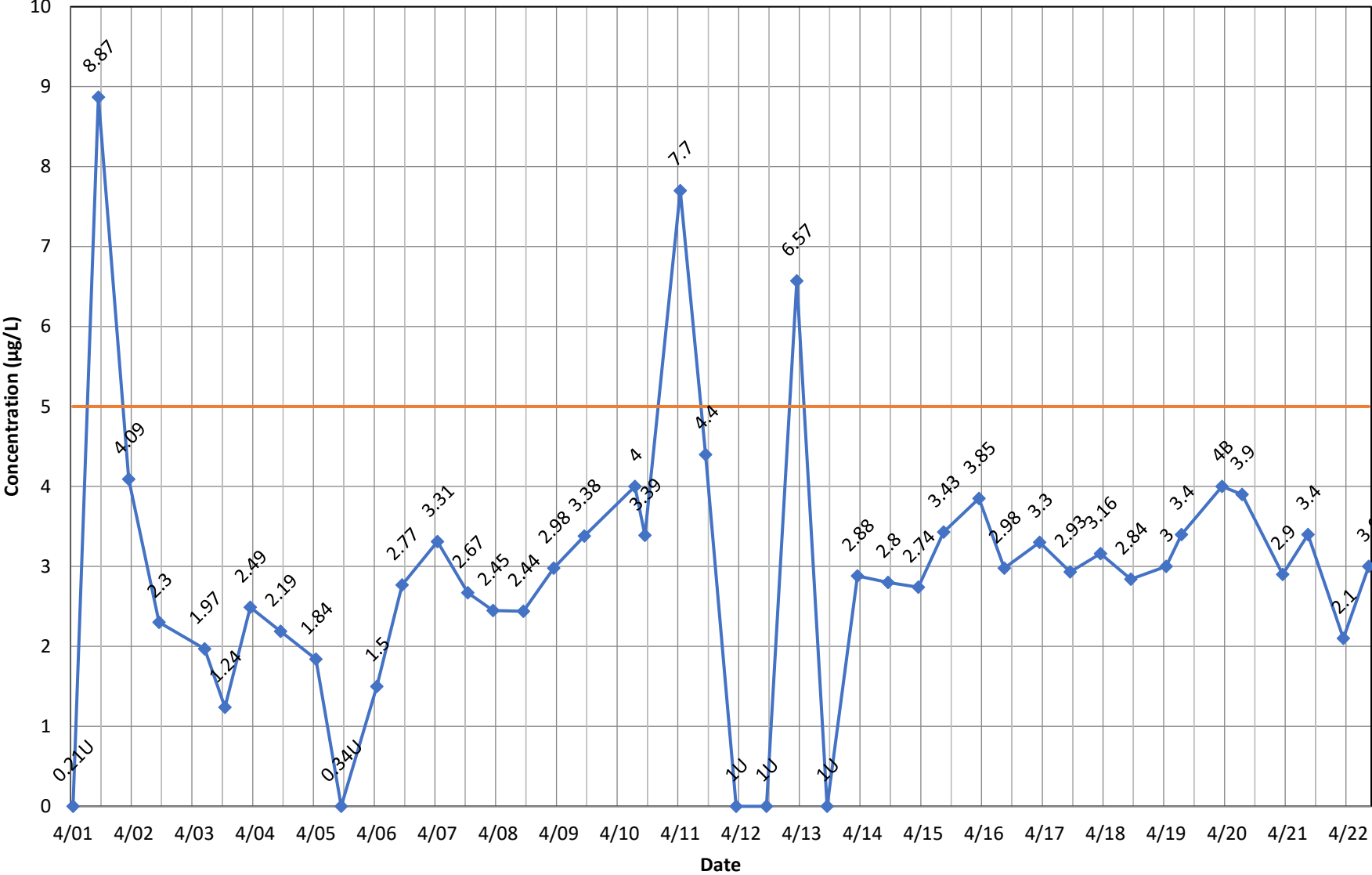


# Monitoring Well OB04A - Chromium, total



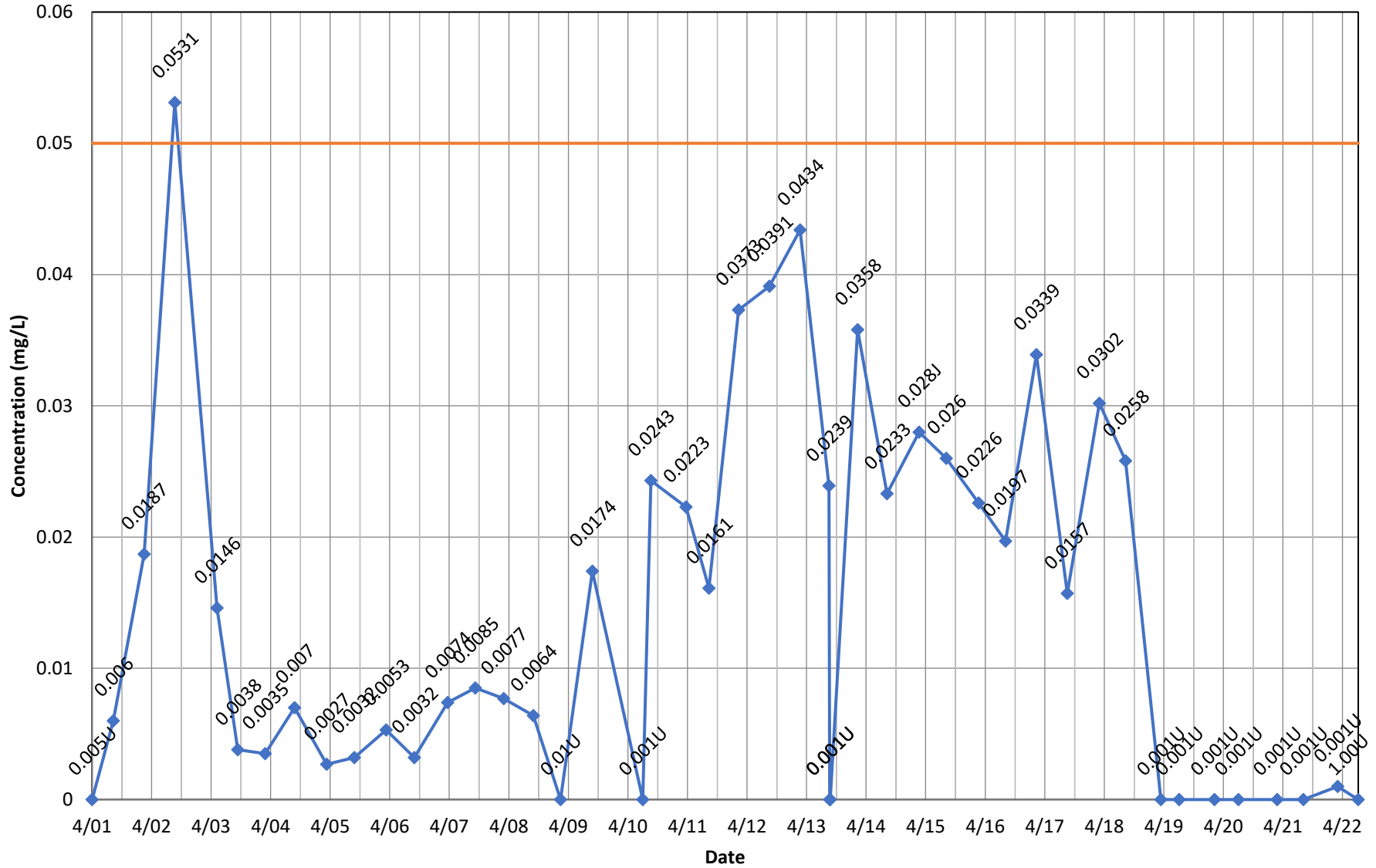
◆ Concentration    — Current\_MCL

# Monitoring Well OB04A - Methylene Chloride



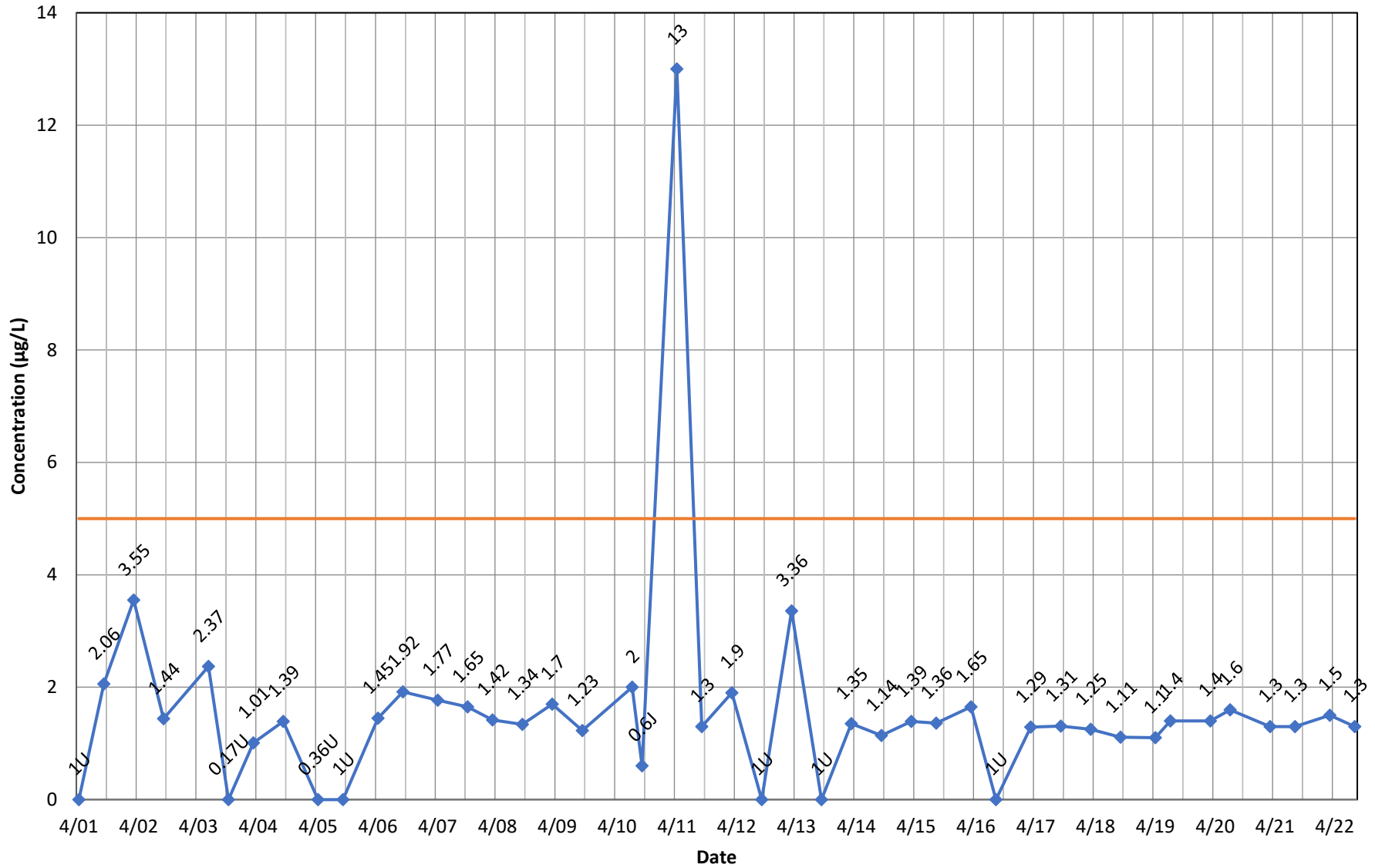
◆ Concentration    — Current\_MCL

# Monitoring Well OB04A - Selenium, total



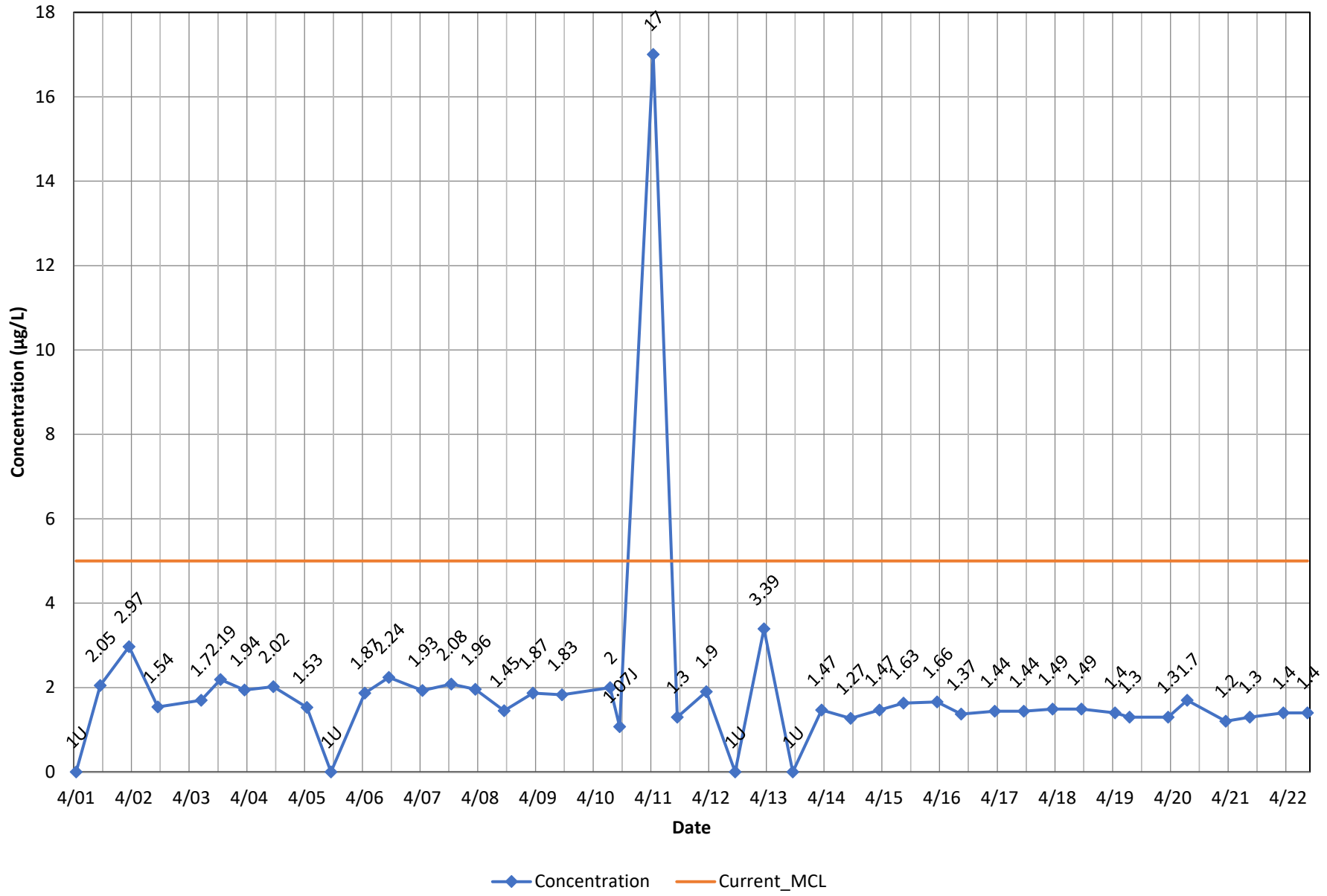
◆ Concentration    — Current\_MCL

# Monitoring Well OB04A - Tetrachloroethene

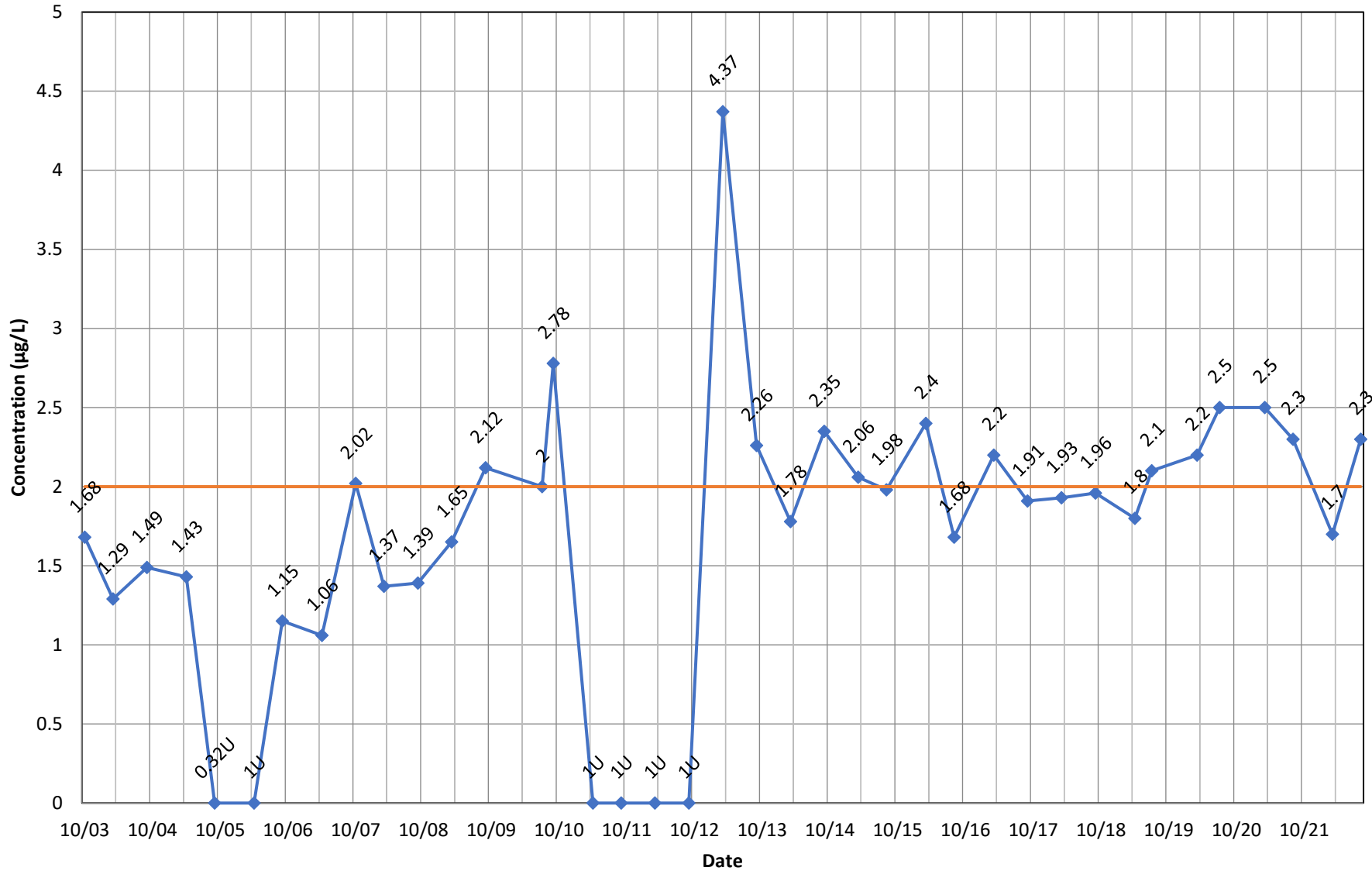


◆ Concentration    — Current\_MCL

# Monitoring Well OB04A - Trichloroethene



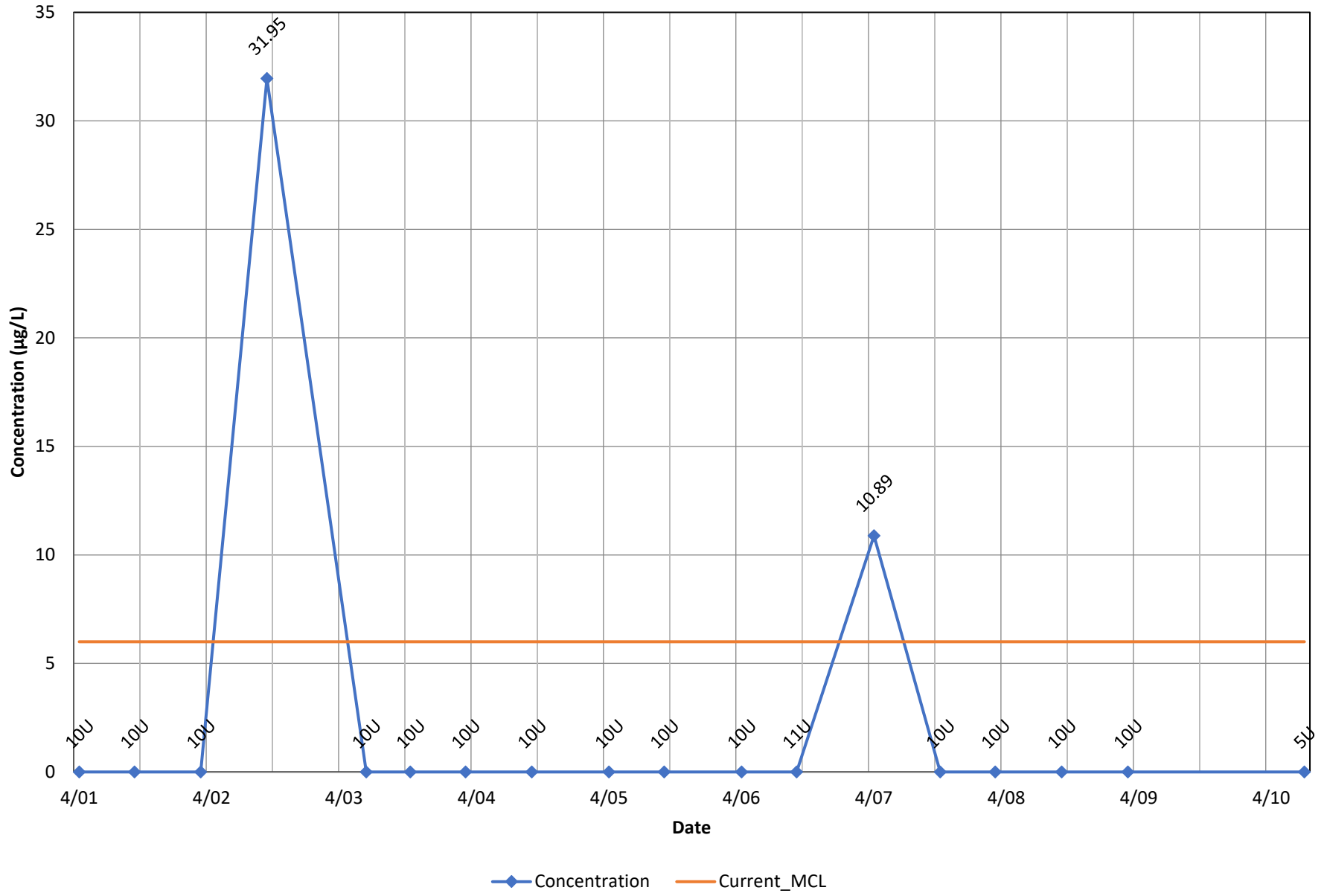
# Monitoring Well OB04A - Vinyl Chloride



◆ Concentration    — Current\_MCL

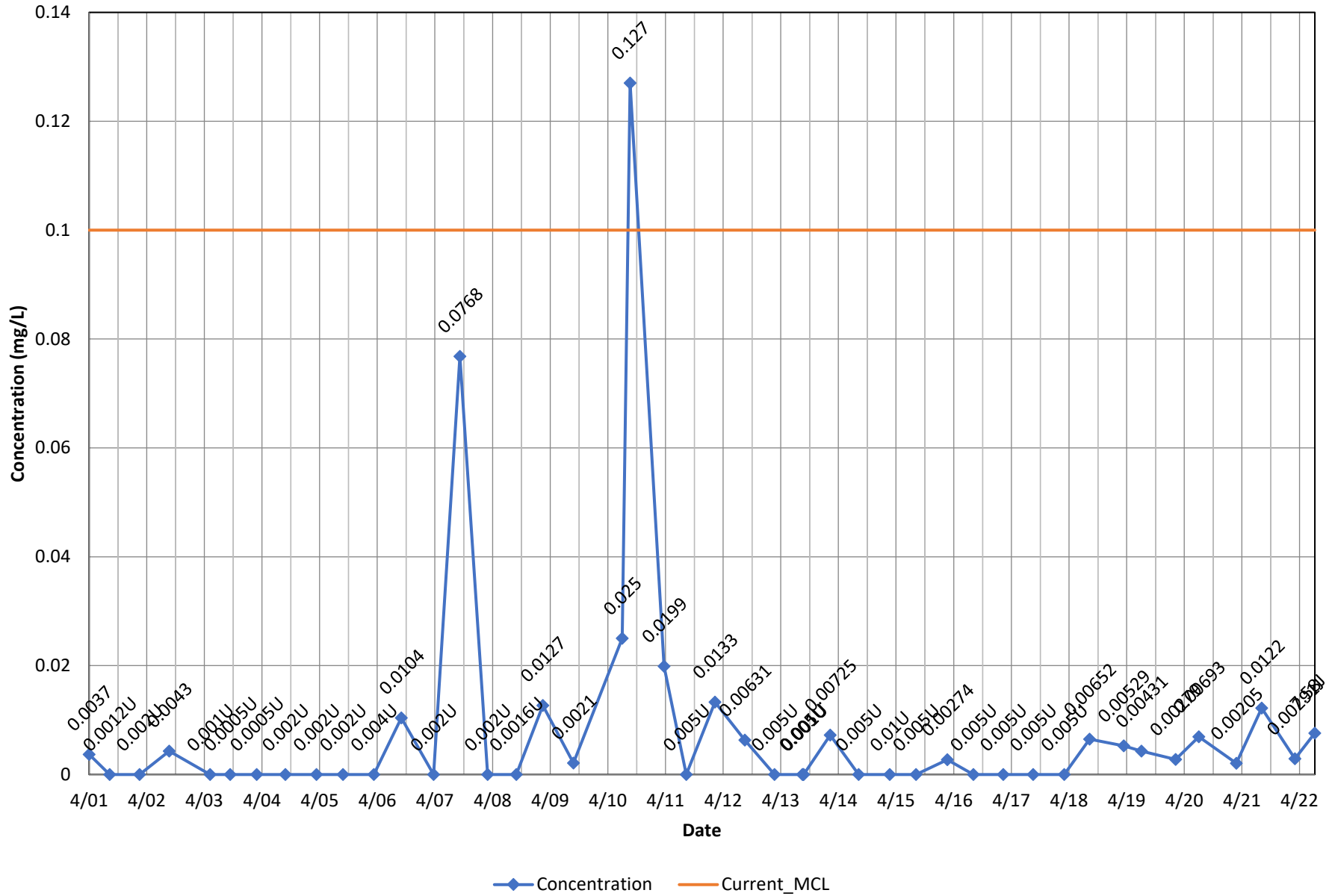


# Monitoring Well OB06 - Bis(2-Ethylhexyl) Phthalate



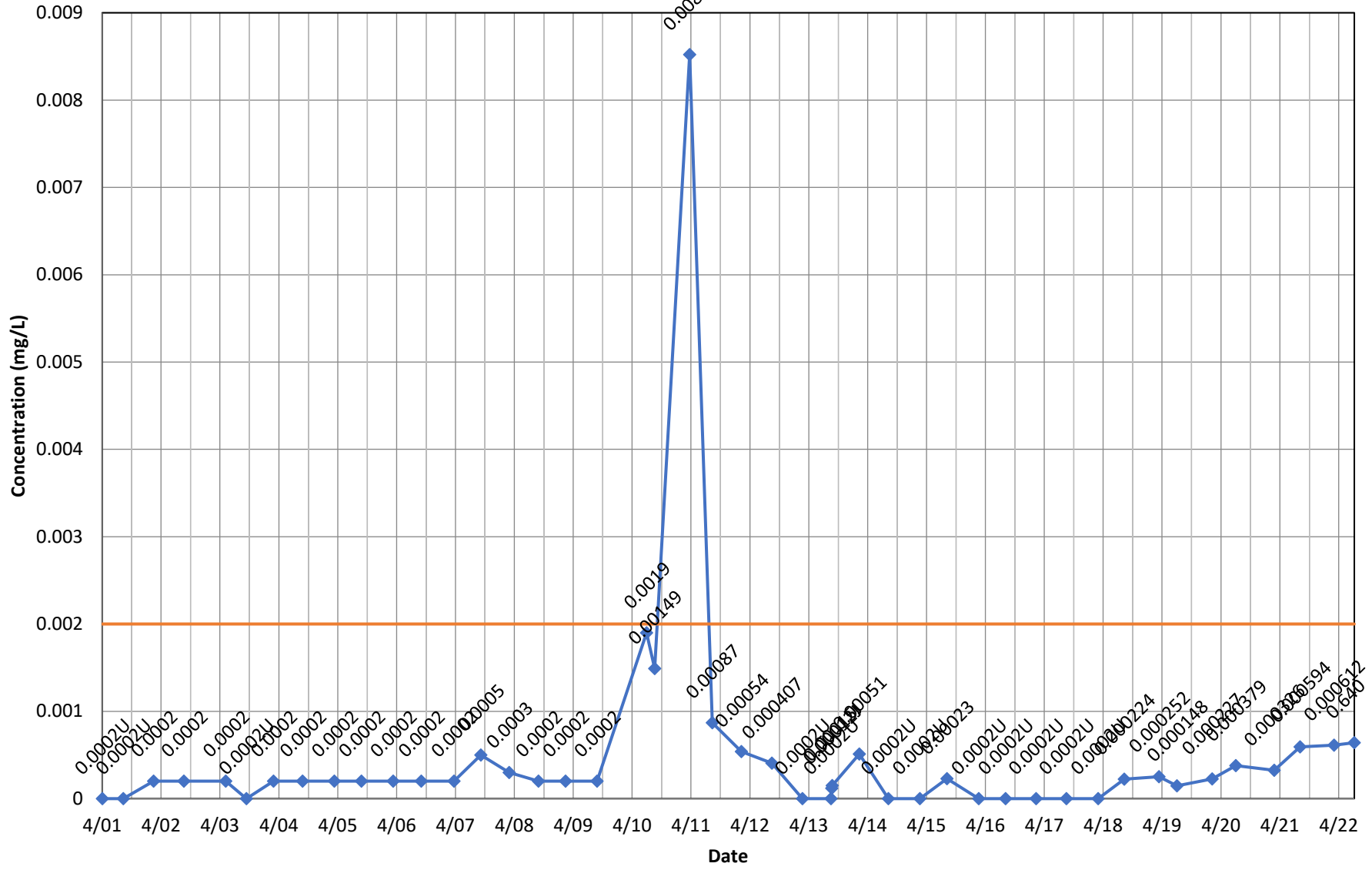


# Monitoring Well OB06 - Chromium, total



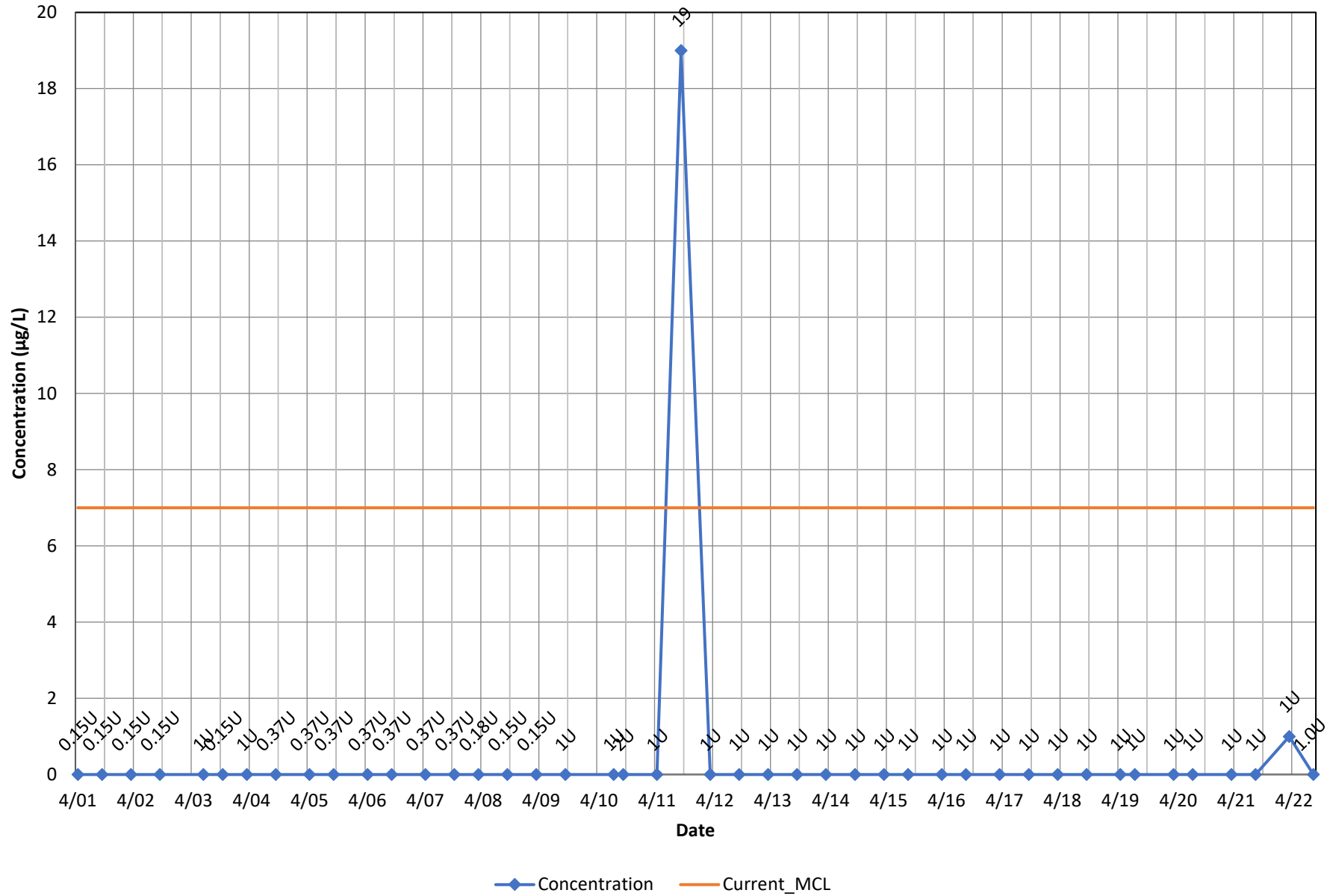


# Monitoring Well OB06 - Mercury, total

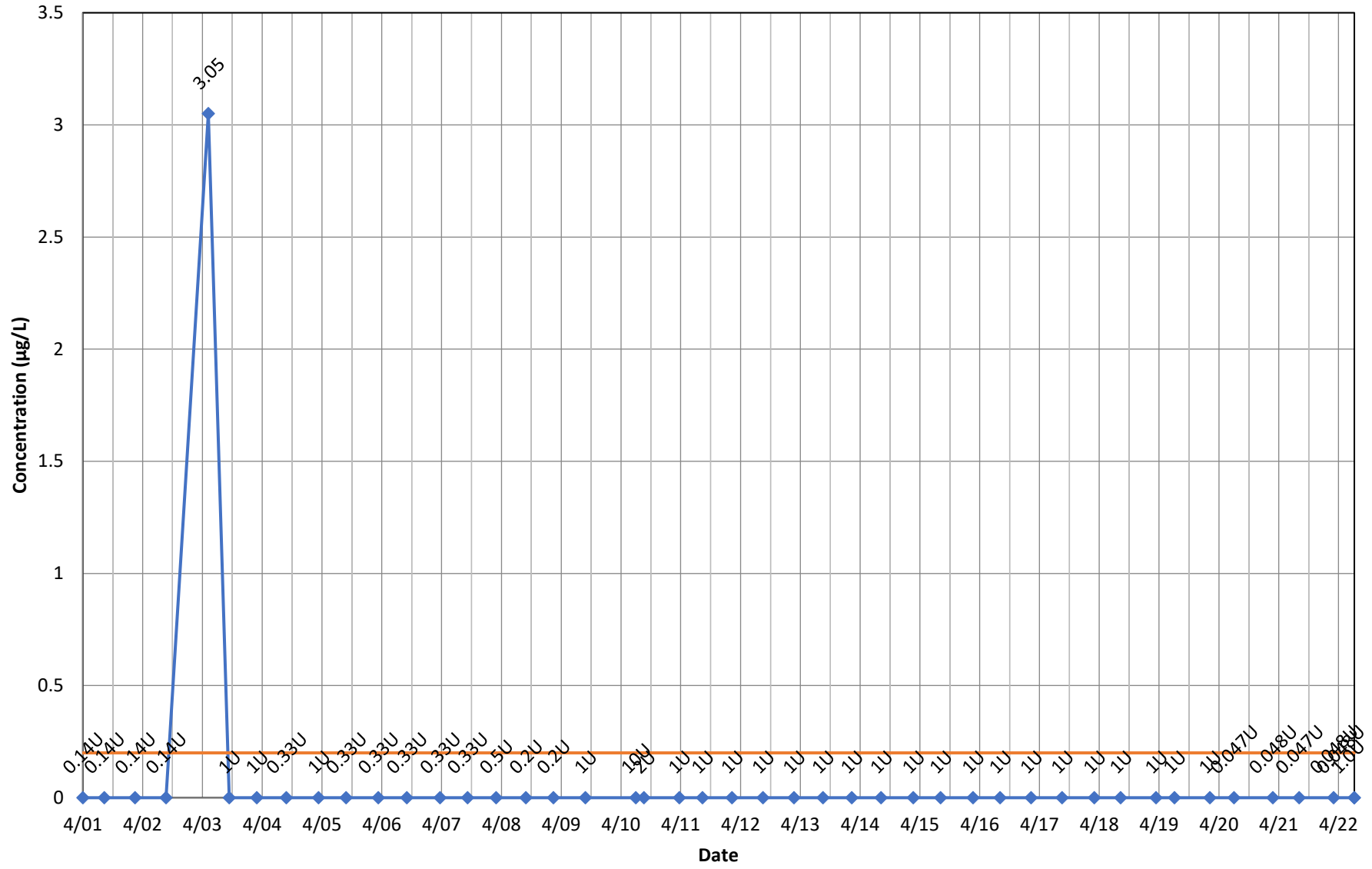


◆ Concentration    — Current\_MCL

# Monitoring Well OB07 - 1,1-Dichloroethene

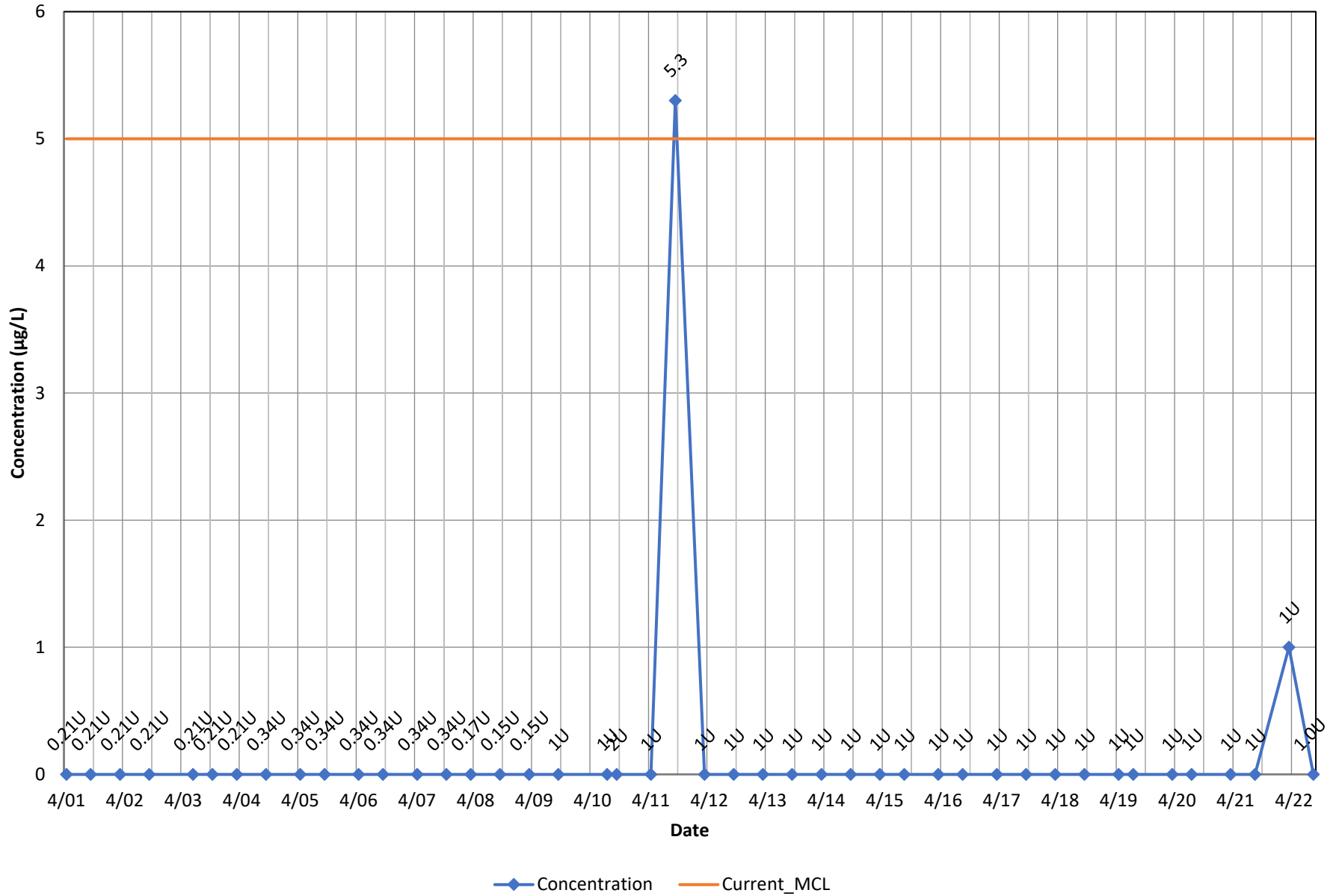


# Monitoring Well OB07 - 1,2-Dibromo-3-chloropropane

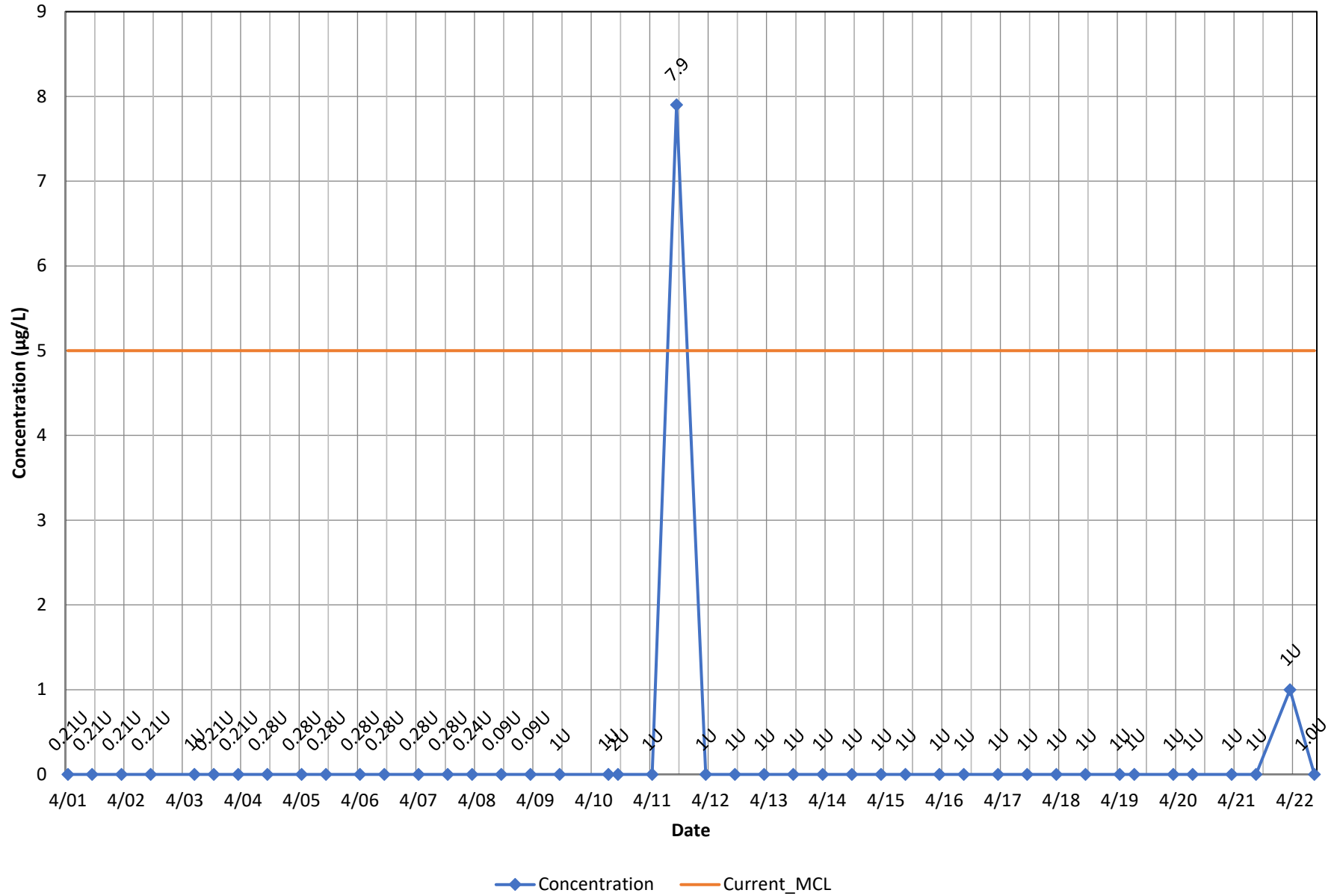


◆ Concentration    — Current\_MCL

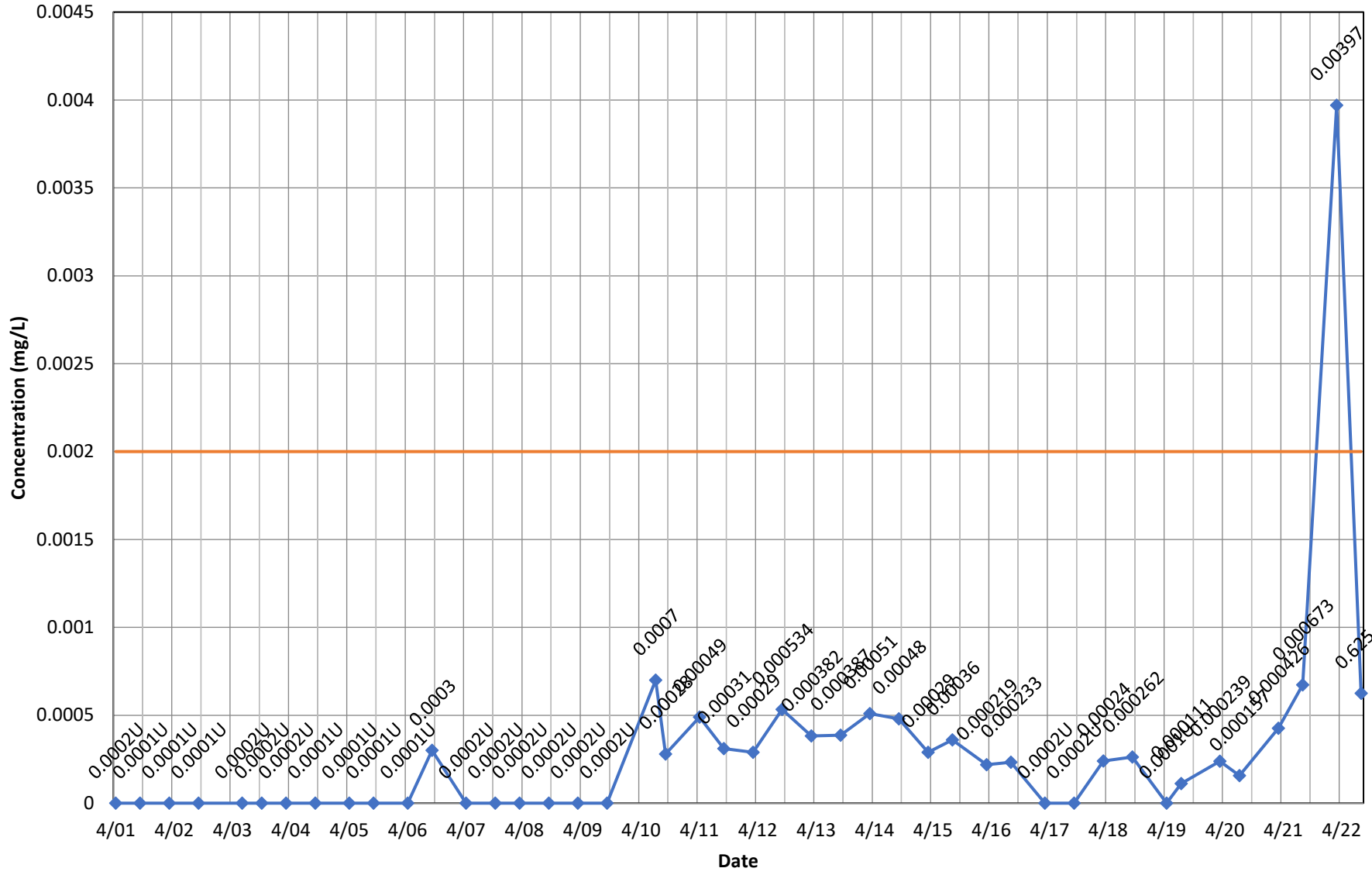
# Monitoring Well OB07 - 1,2-Dichloropropane



# Monitoring Well OB07 - Benzene



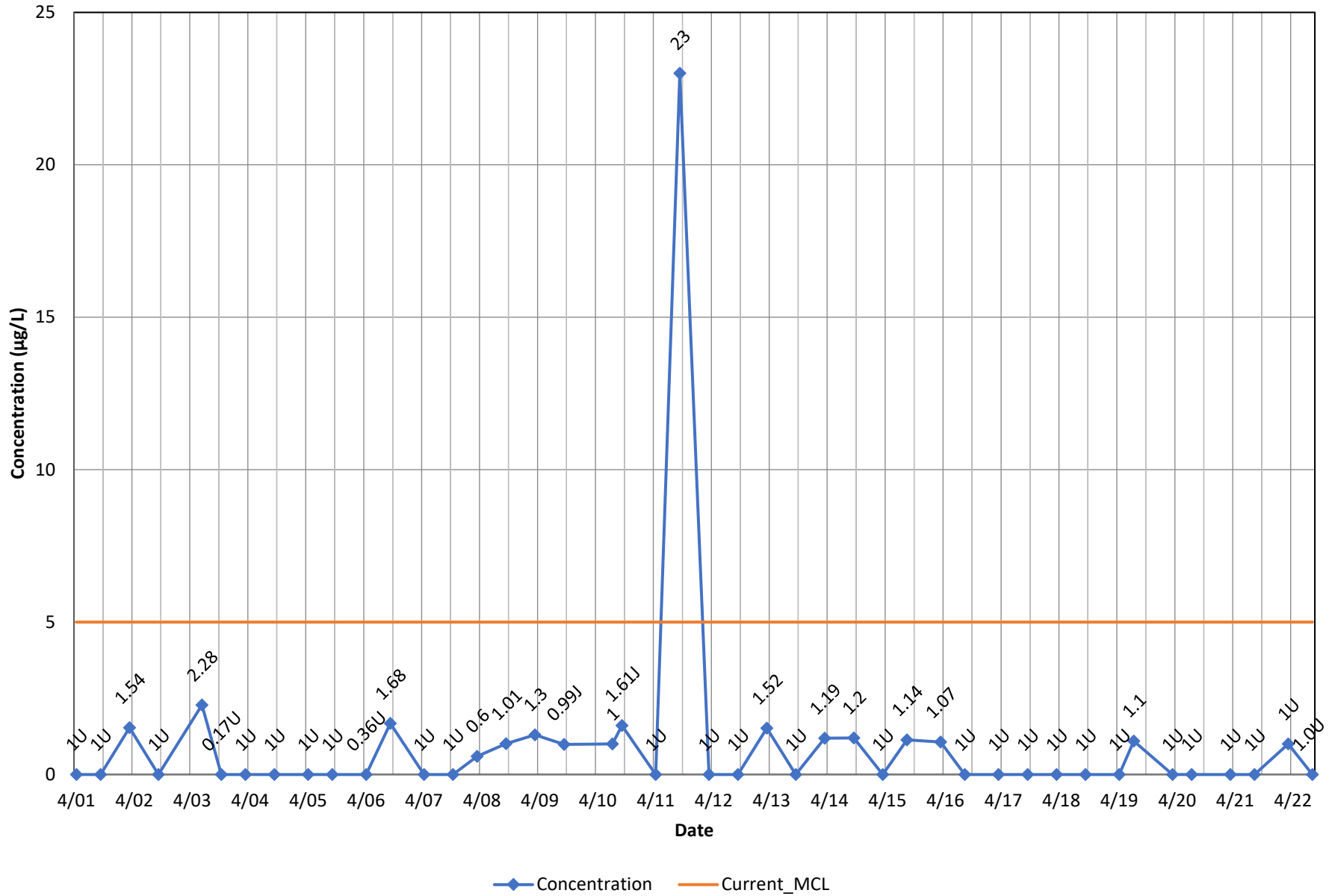
# Monitoring Well OB07 - Mercury, total



◆ Concentration    — Current\_MCL

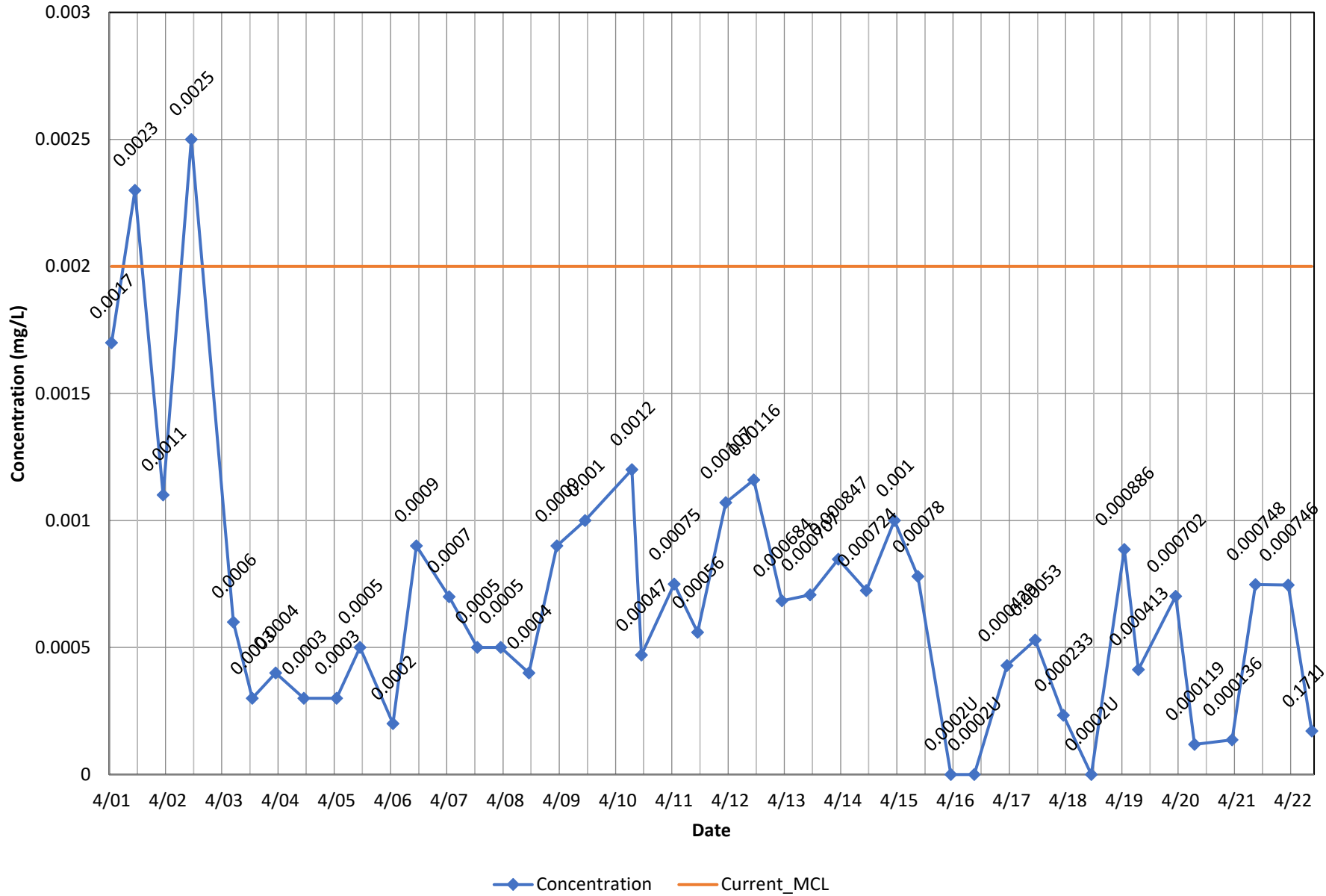


# Monitoring Well OB07 - Tetrachloroethene

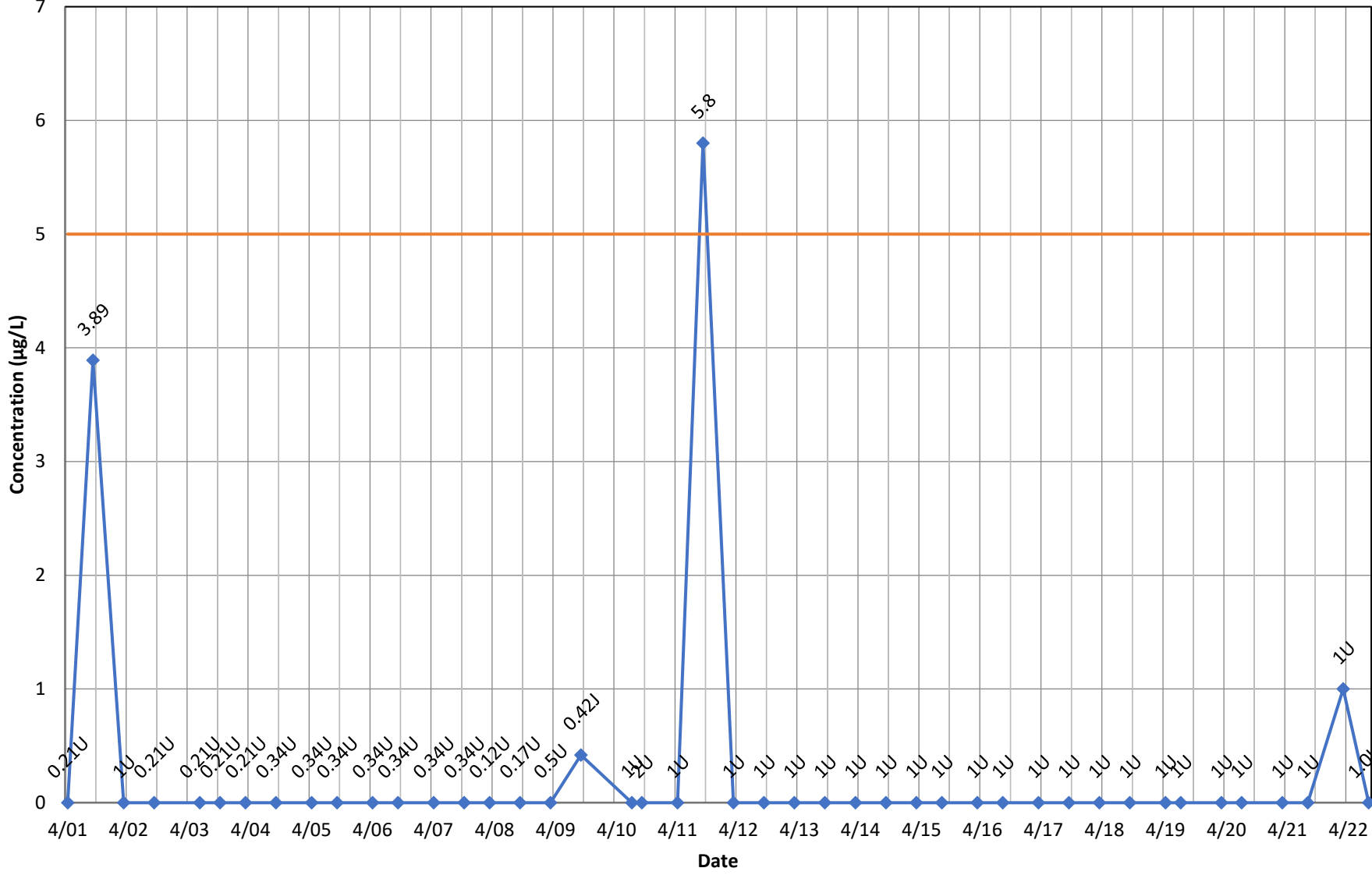




# Monitoring Well OB07A - Mercury, total

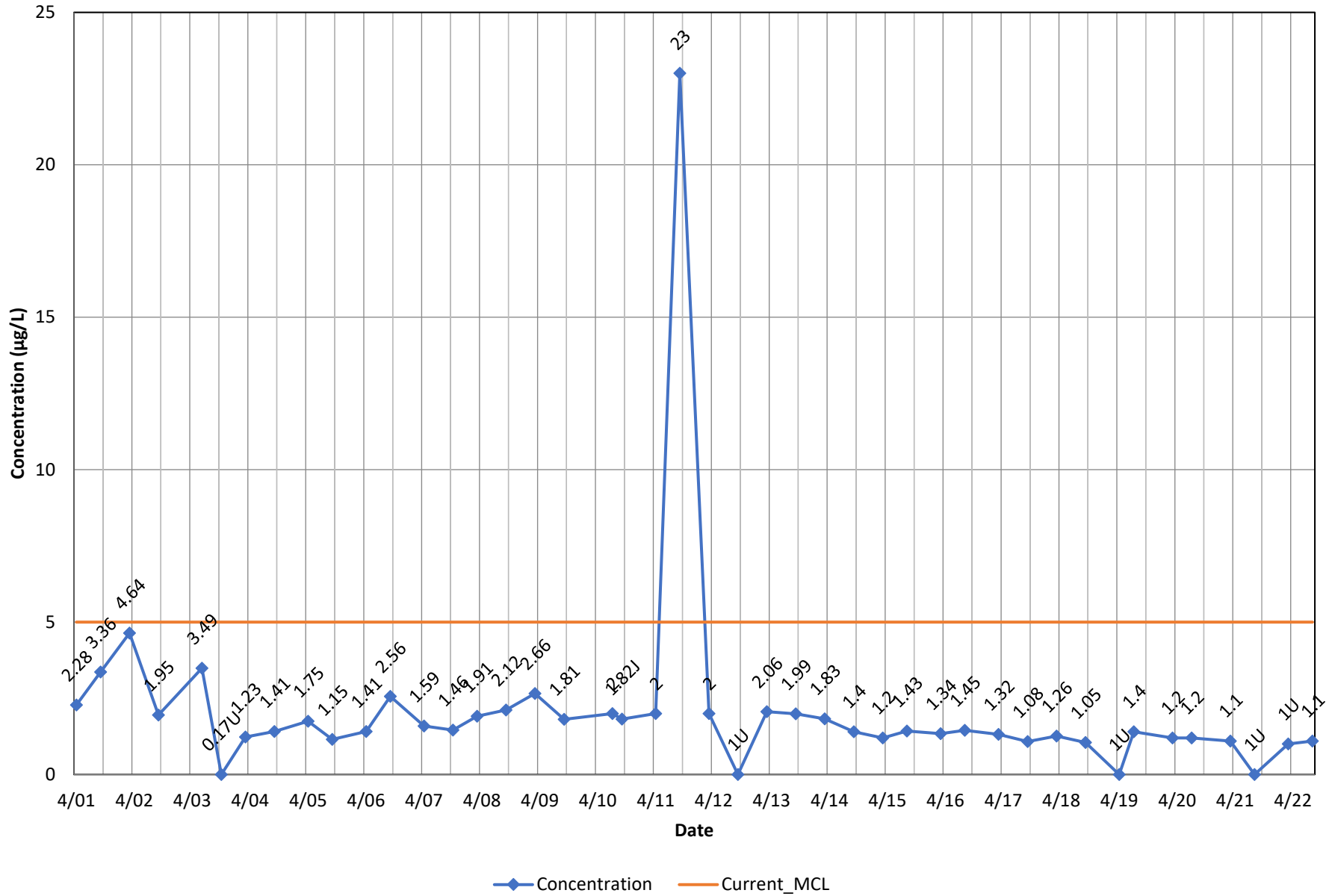


# Monitoring Well OB07A - Methylene Chloride

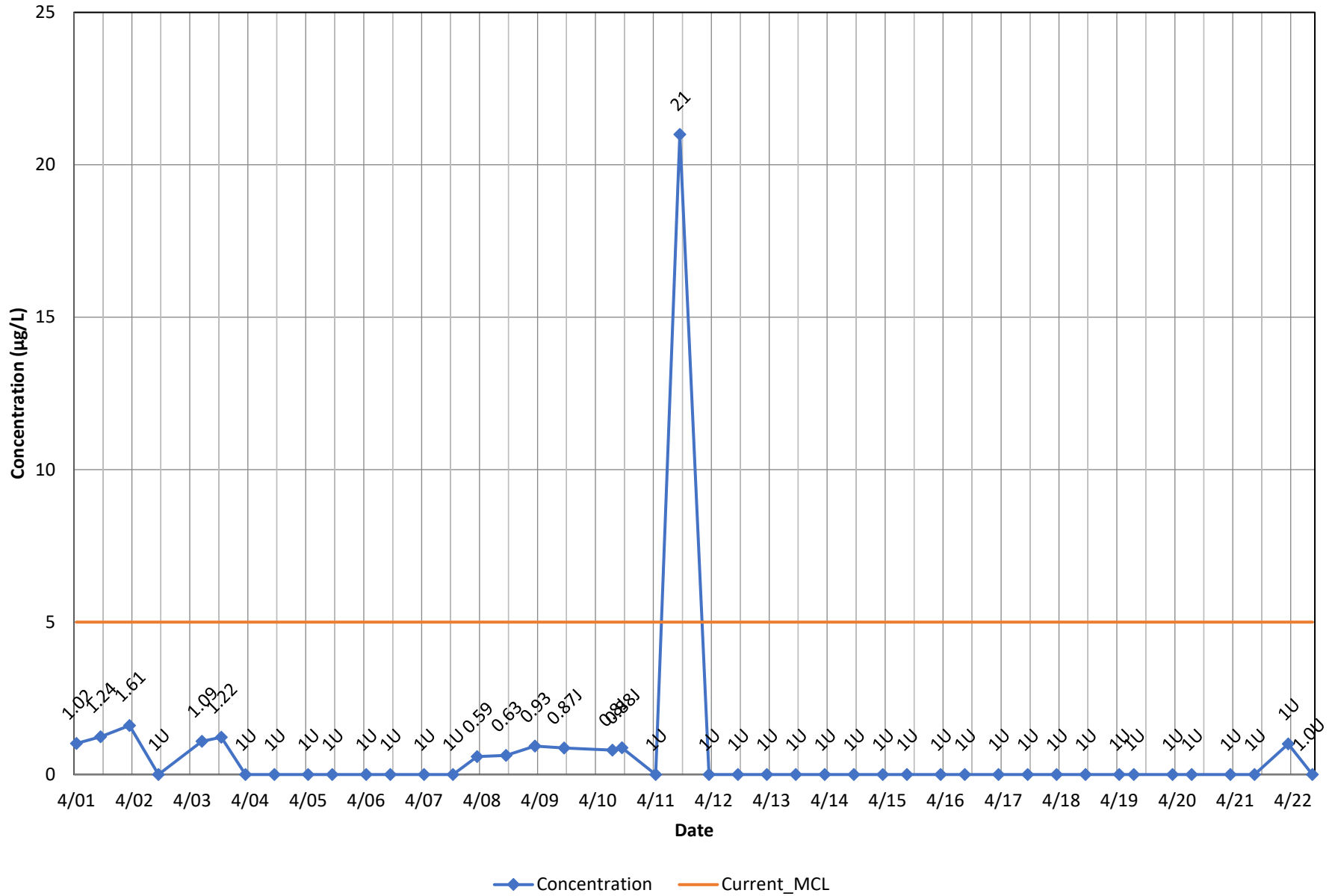


◆ Concentration    — Current\_MCL

# Monitoring Well OB07A - Tetrachloroethene

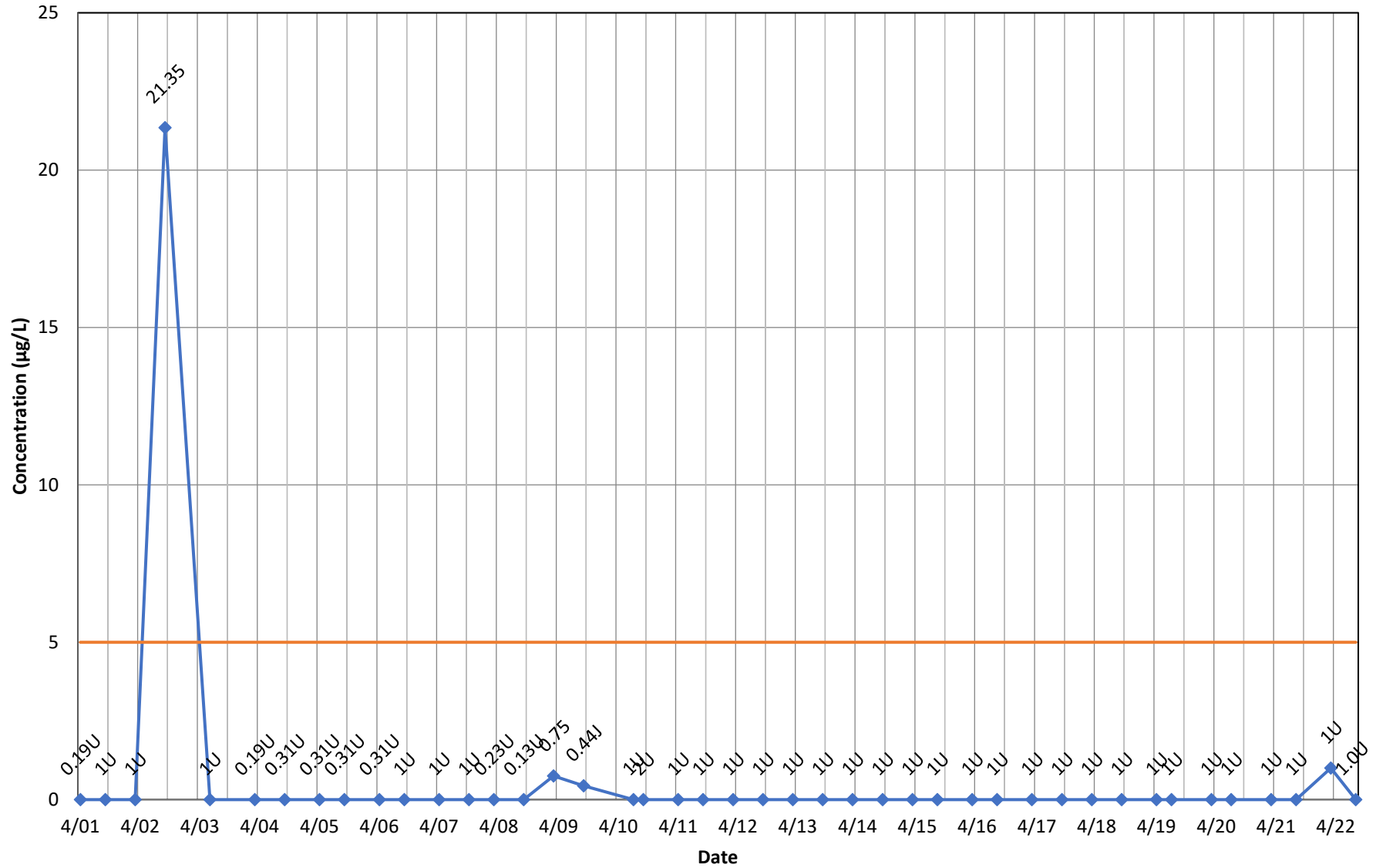


# Monitoring Well OB07A - Trichloroethene





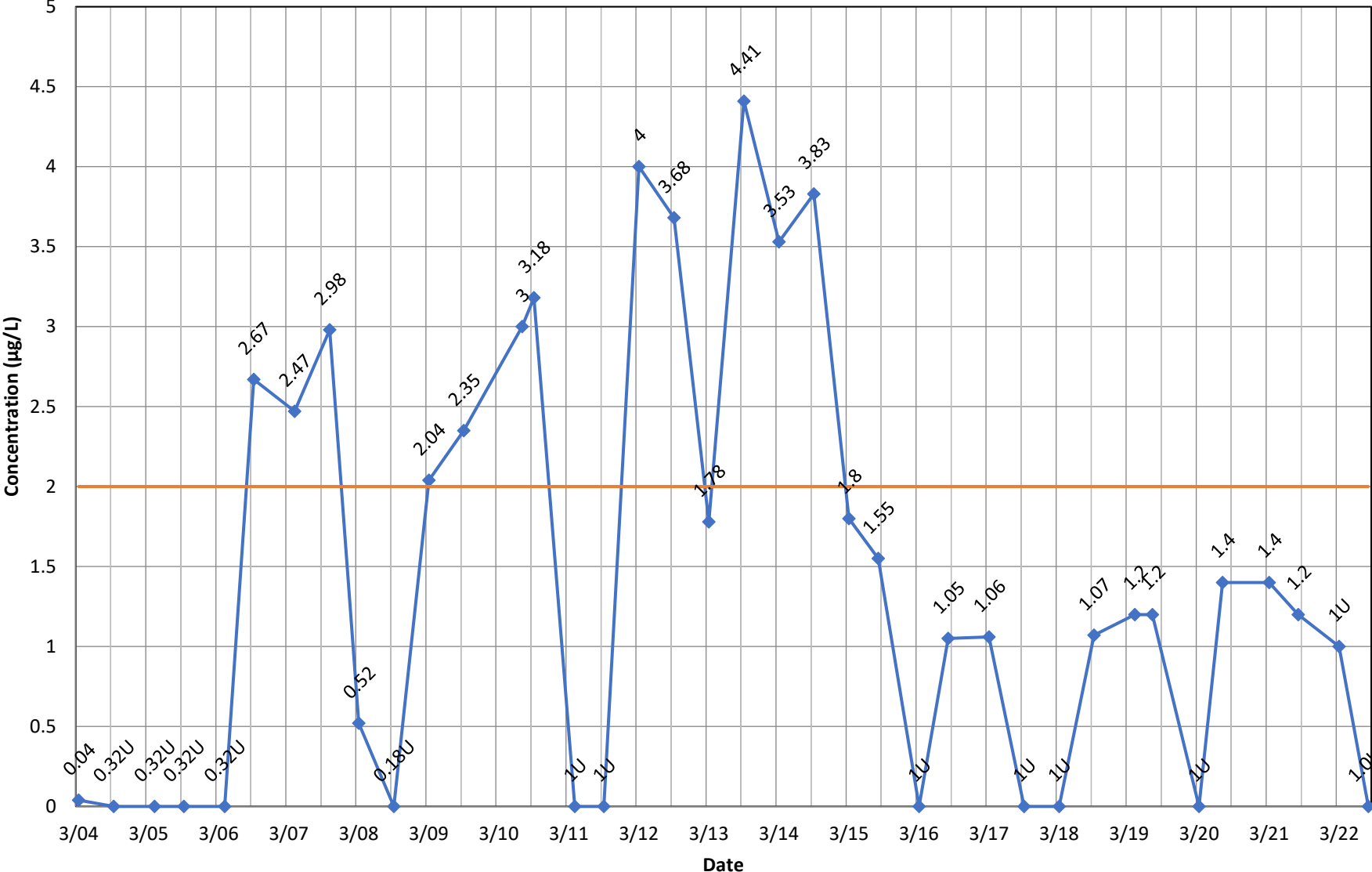
# Monitoring Well OB08 - Trichloroethene



◆ Concentration    — Current\_MCL

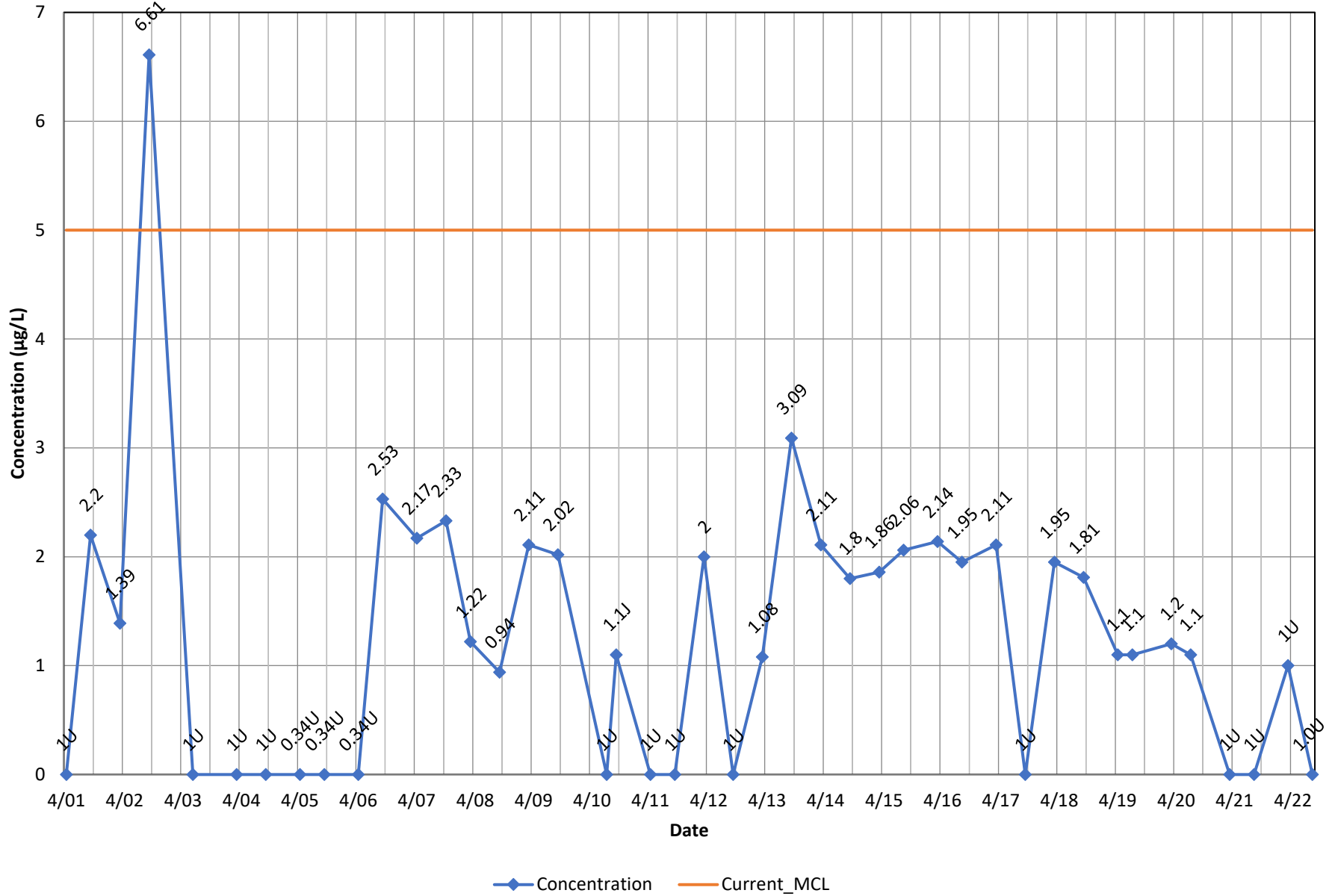


# Monitoring Well OB08 - Vinyl Chloride

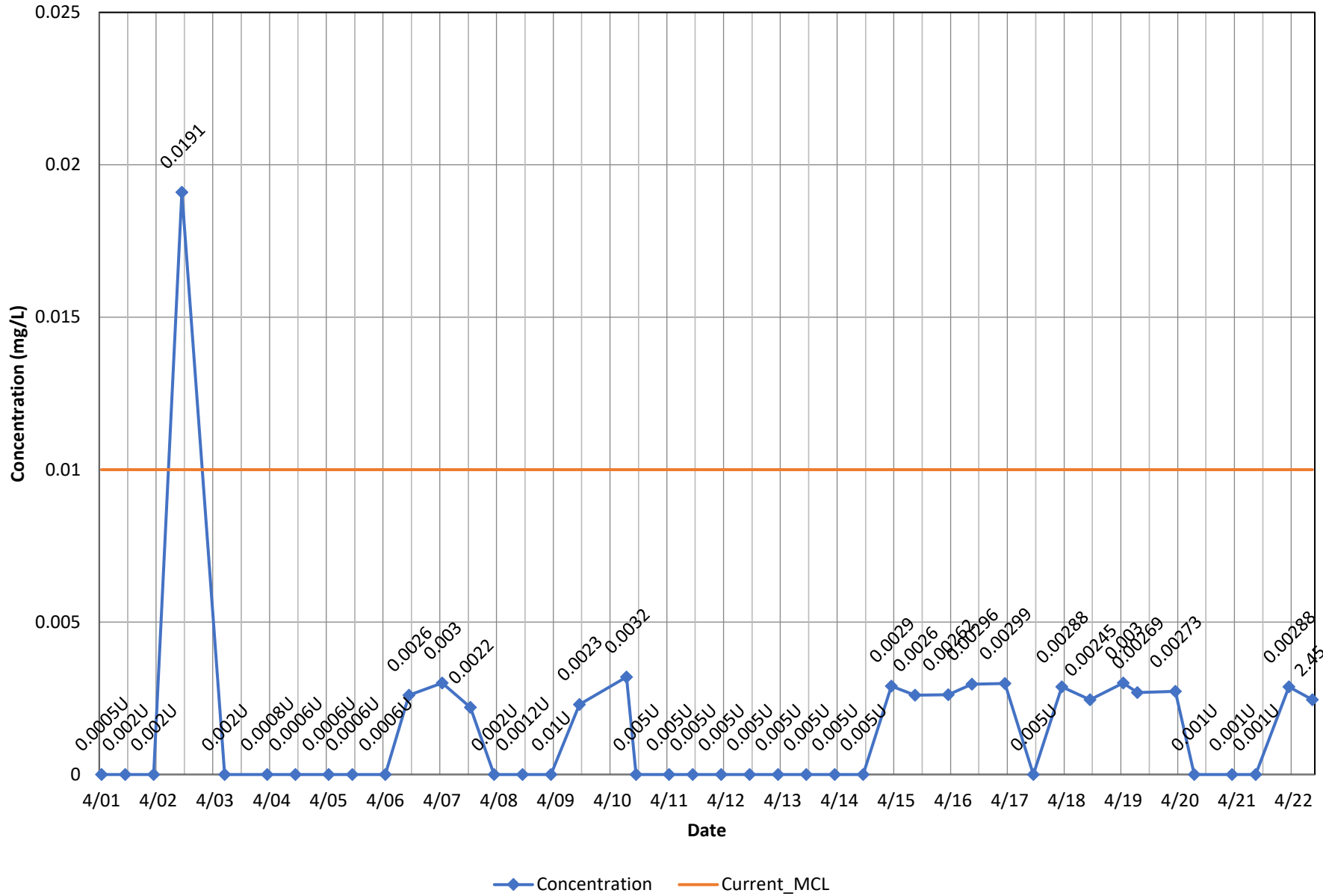


◆ Concentration    — Current\_MCL

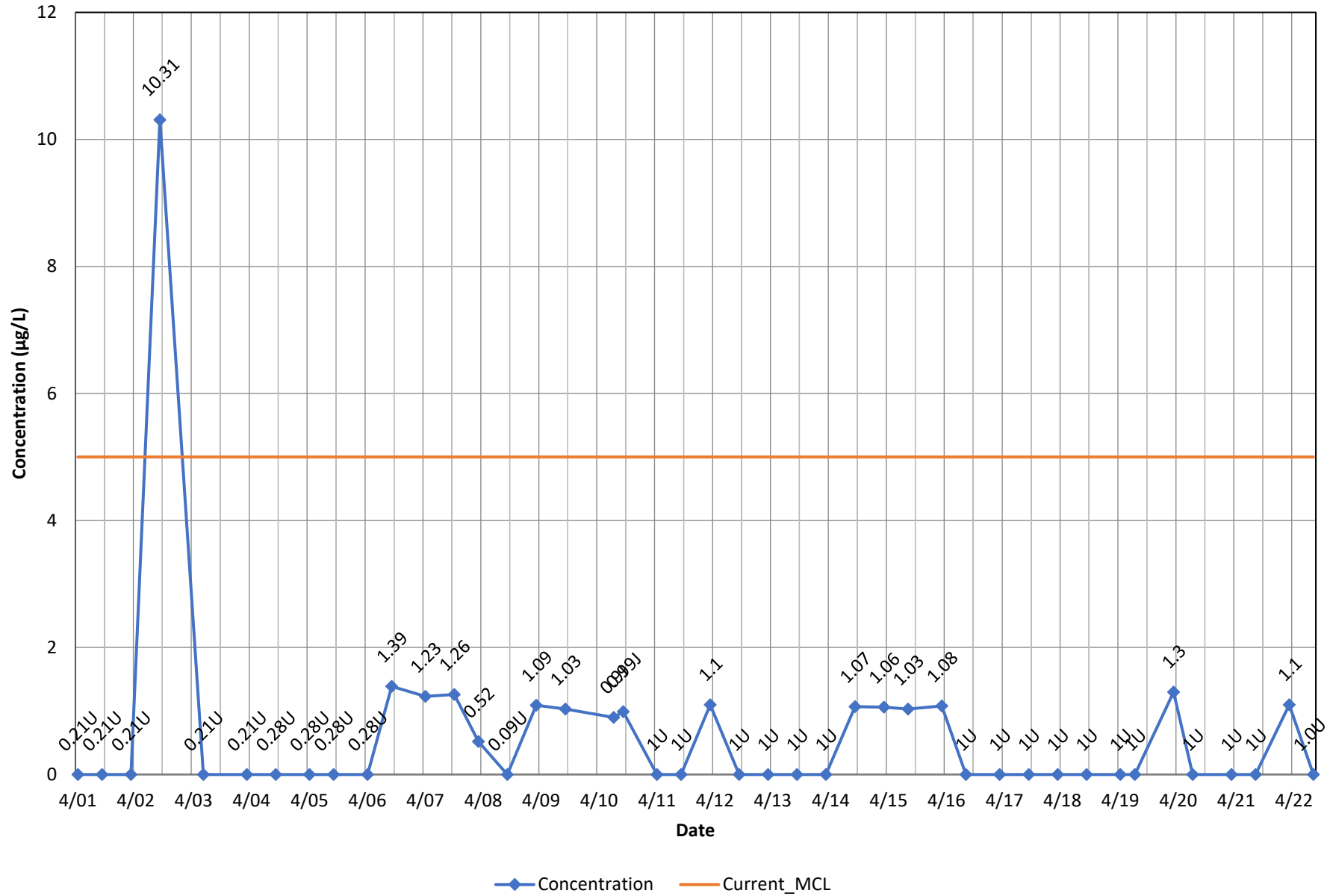
# Monitoring Well OB08A - 1,2-Dichloropropane



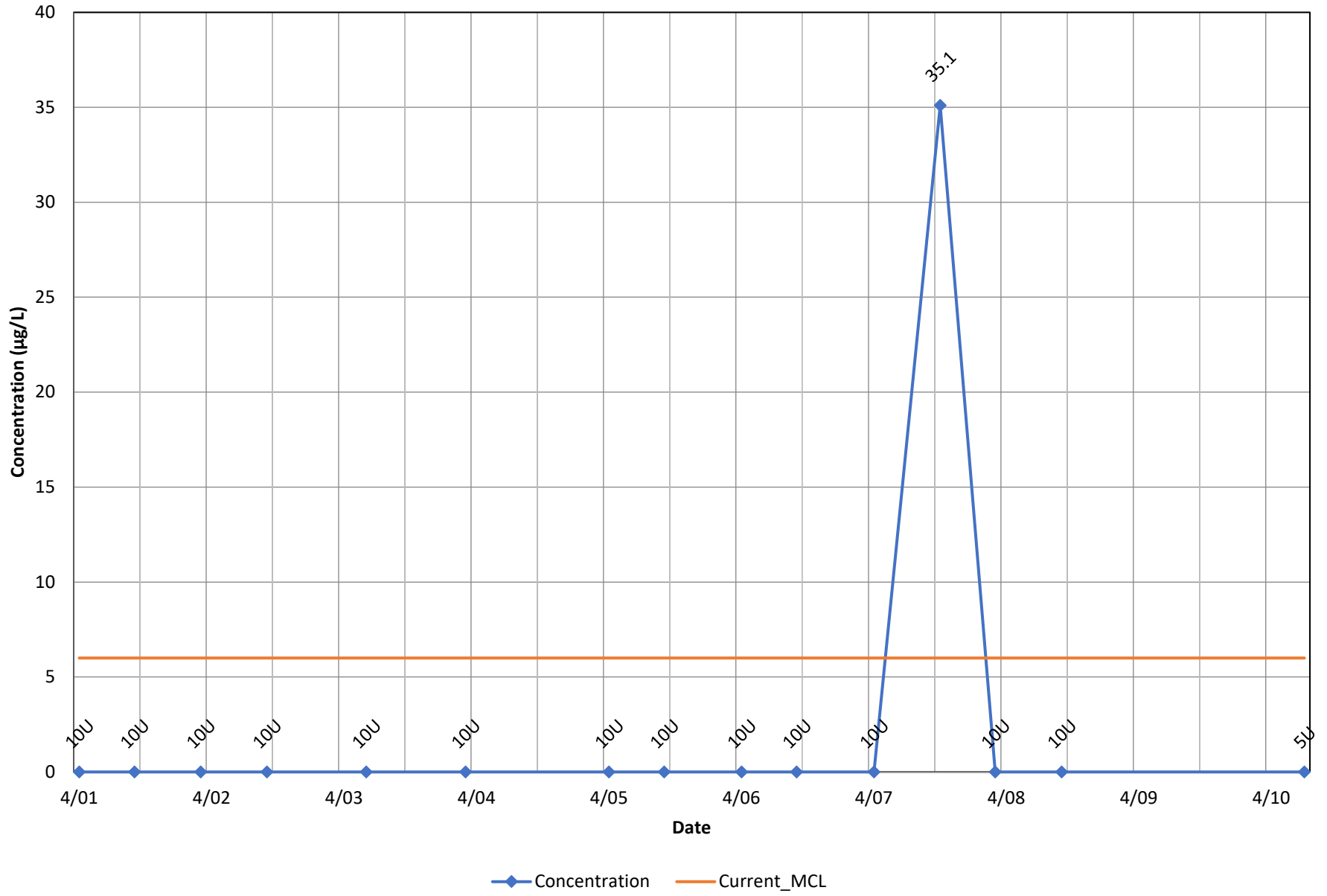
# Monitoring Well OB08A - Arsenic, total



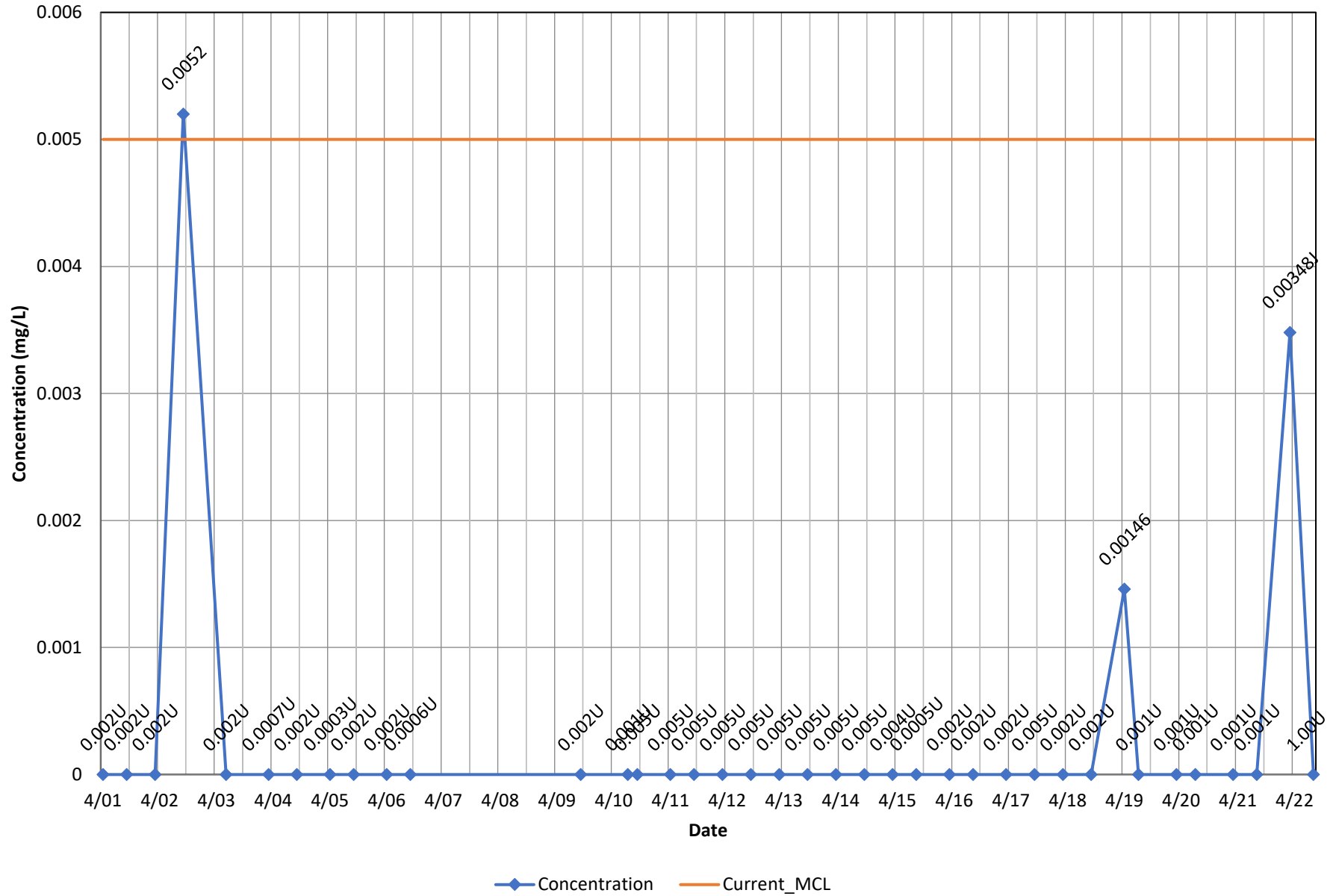
# Monitoring Well OB08A - Benzene



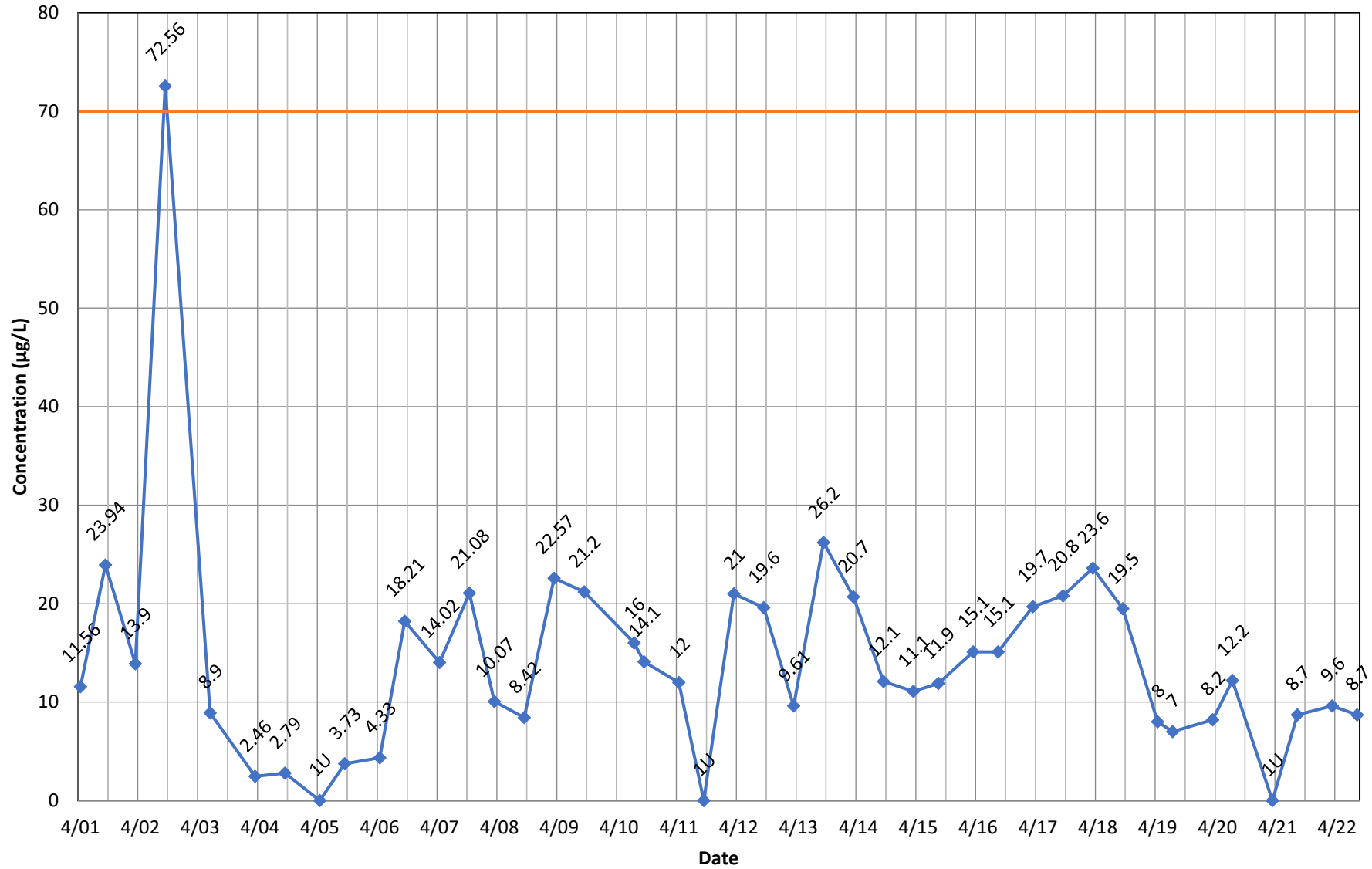
# Monitoring Well OB08A - Bis(2-Ethylhexyl) Phthalate



# Monitoring Well OB08A - Cadmium, total

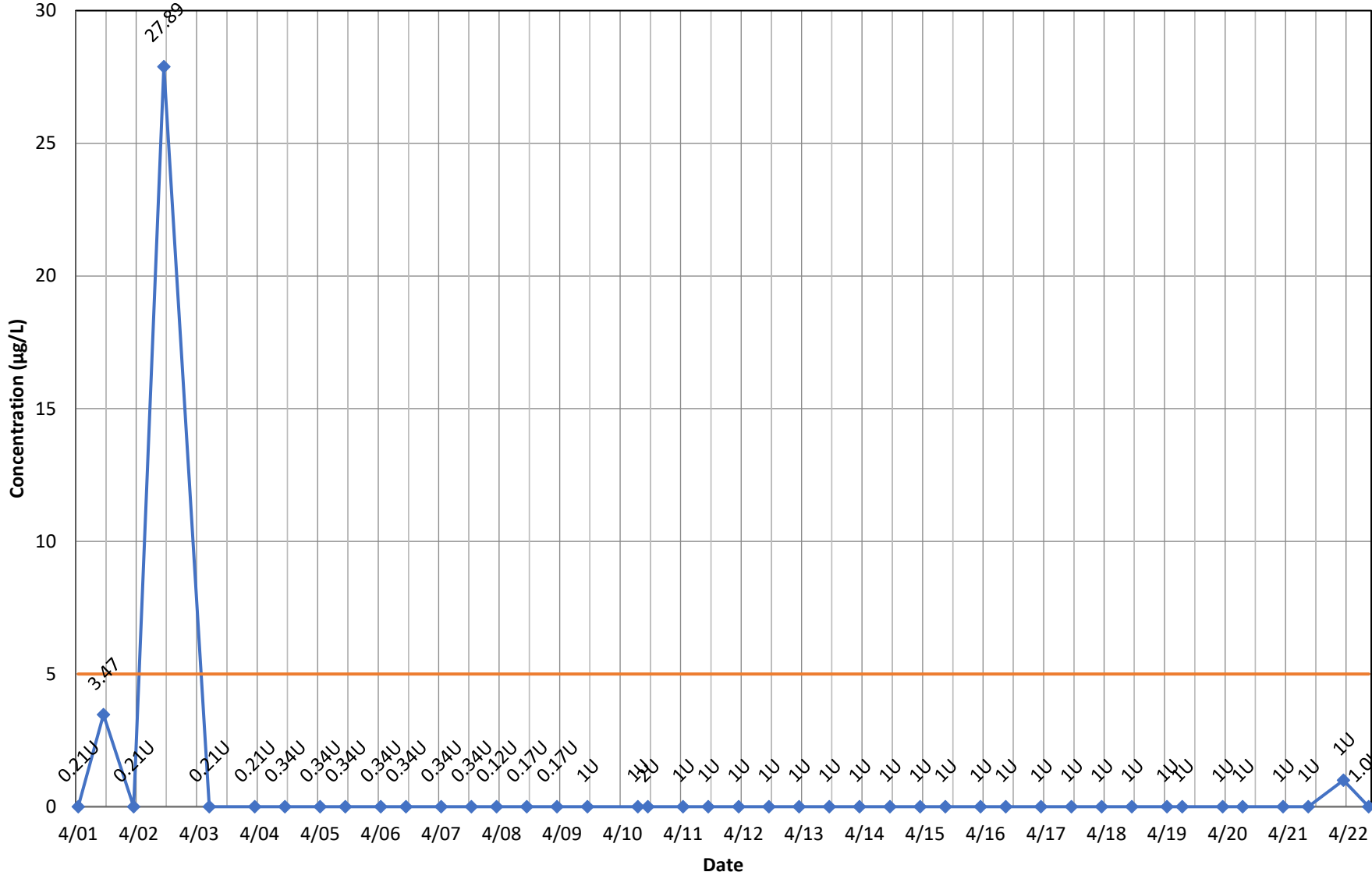


# Monitoring Well OB08A - cis-1,2-Dichloroethene



◆ Concentration    — Current\_MCL

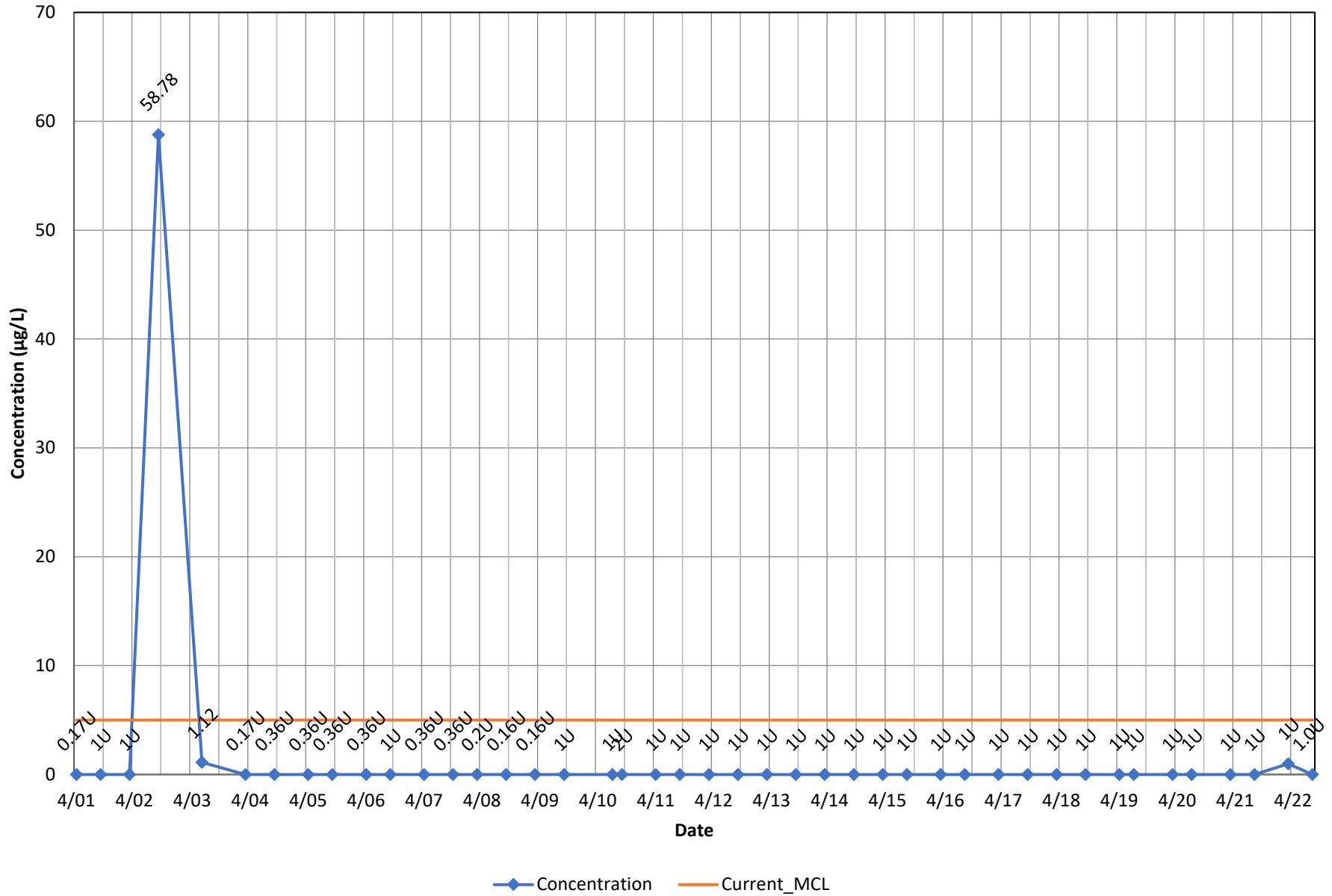
# Monitoring Well OB08A - Methylene Chloride



◆ Concentration    — Current\_MCL

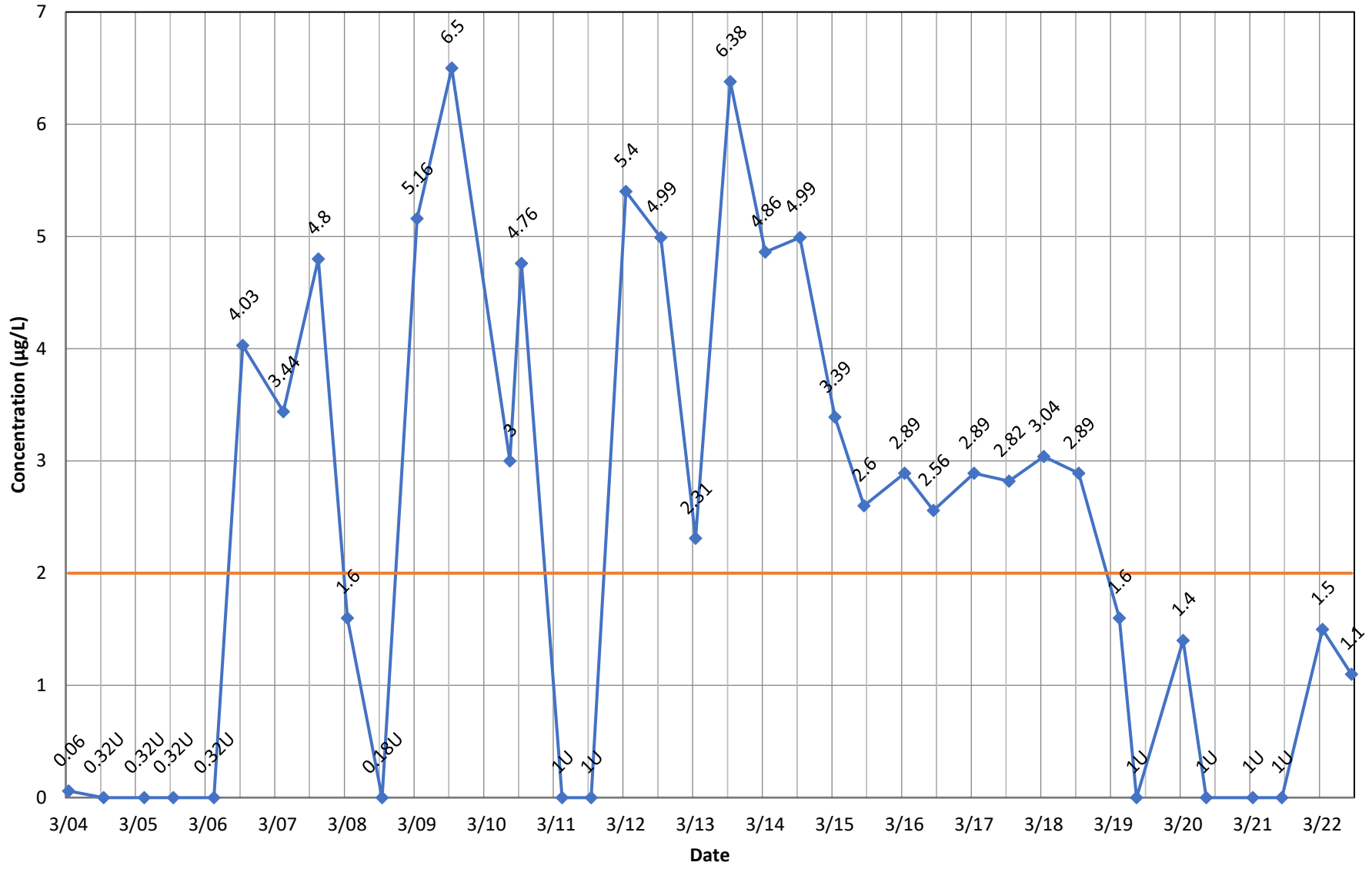


# Monitoring Well OB08A - Tetrachloroethene



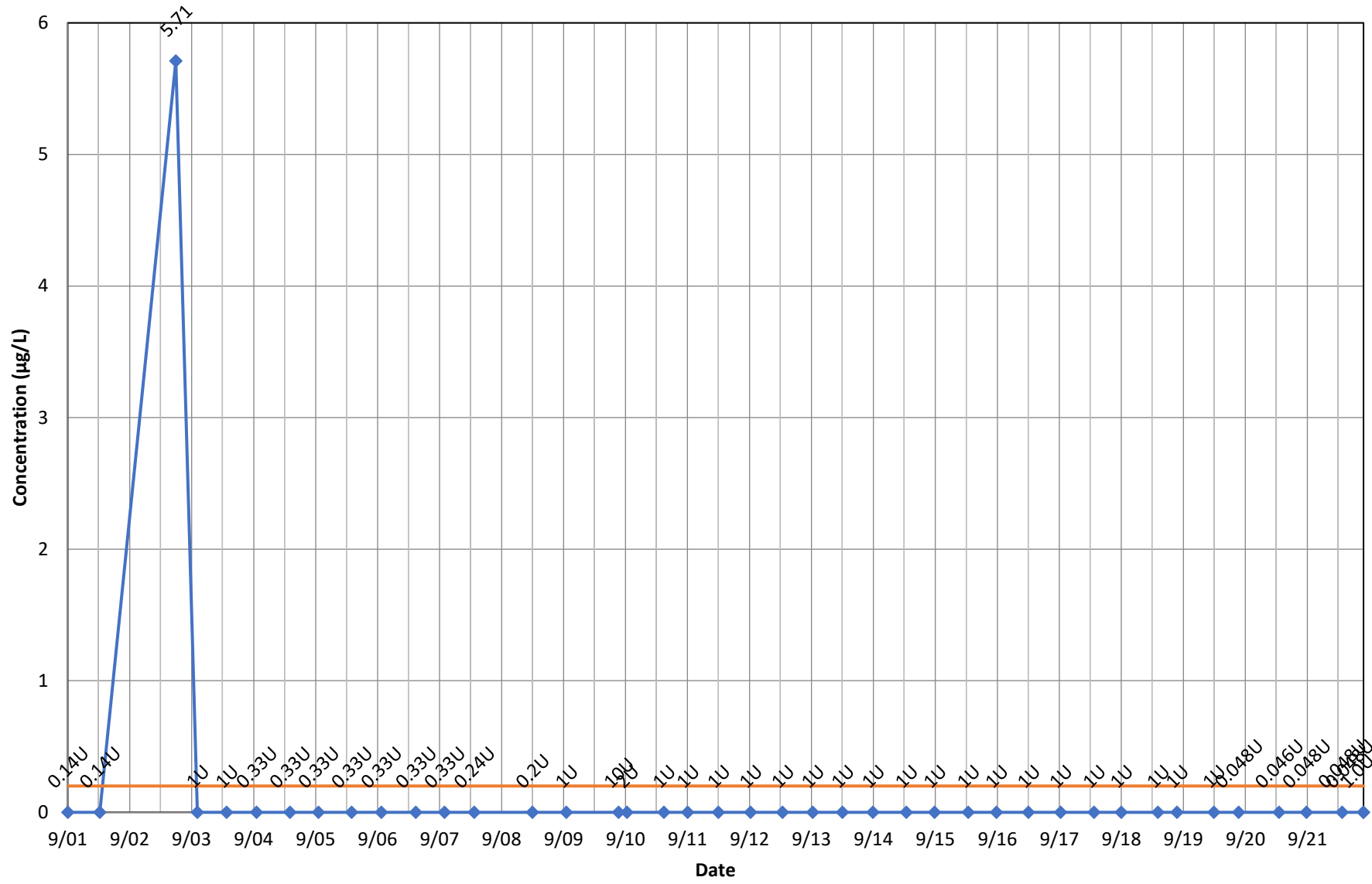


# Monitoring Well OB08A - Vinyl Chloride



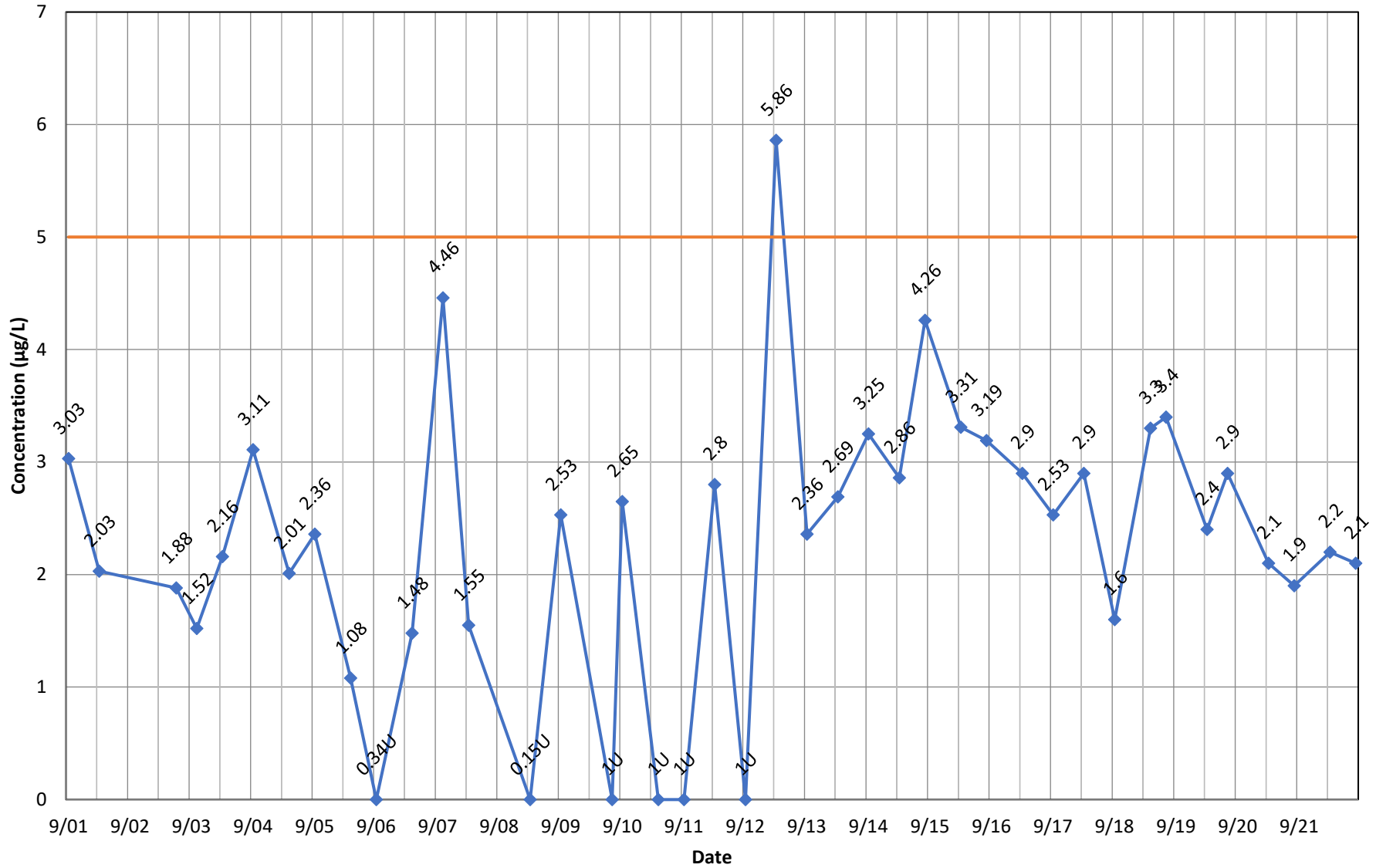
◆ Concentration    — Current\_MCL

# Monitoring Well OB10 - 1,2-Dibromo-3-chloropropane



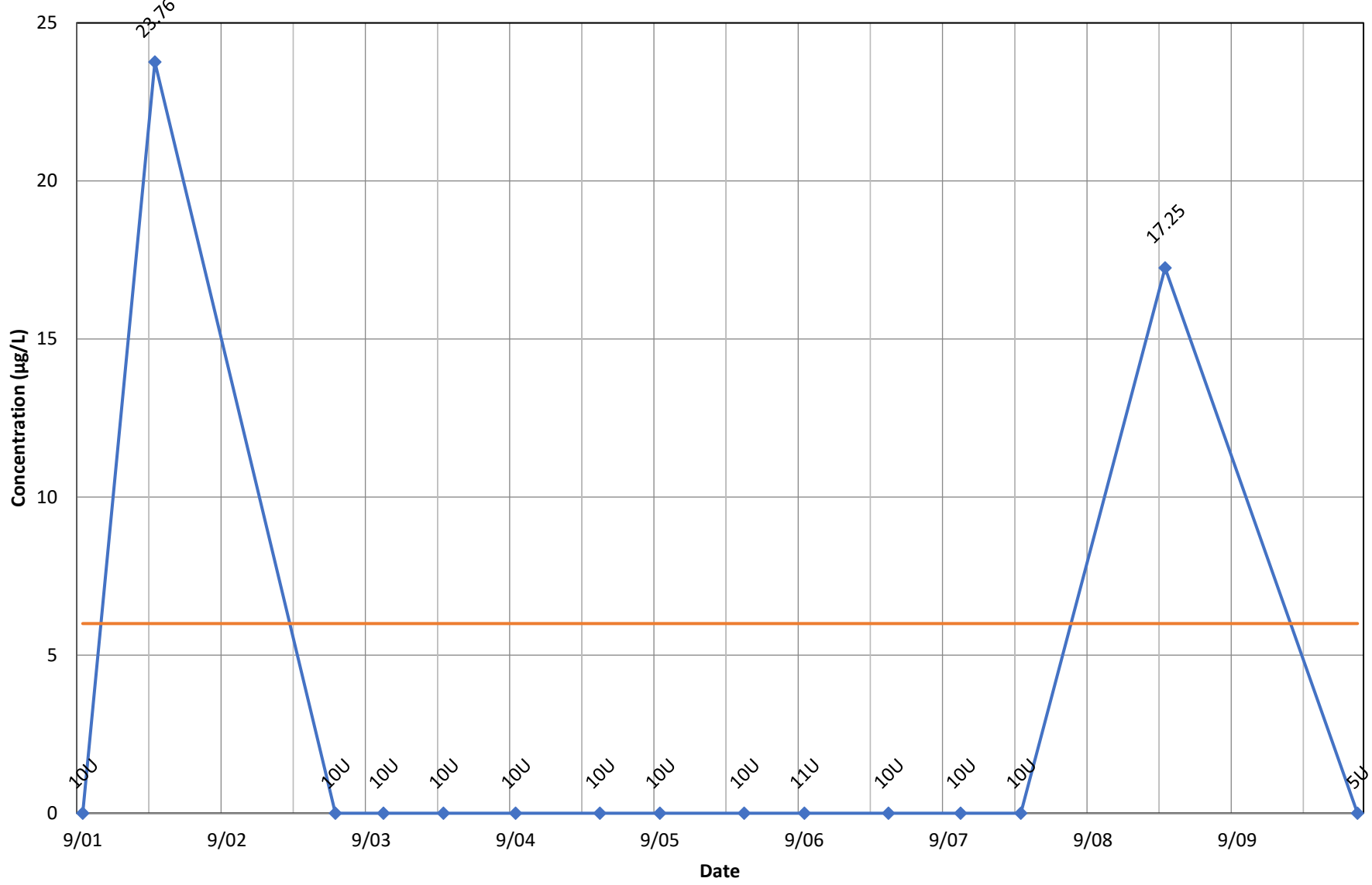
◆ Concentration    — Current\_MCL

# Monitoring Well OB10 - 1,2-Dichloropropane



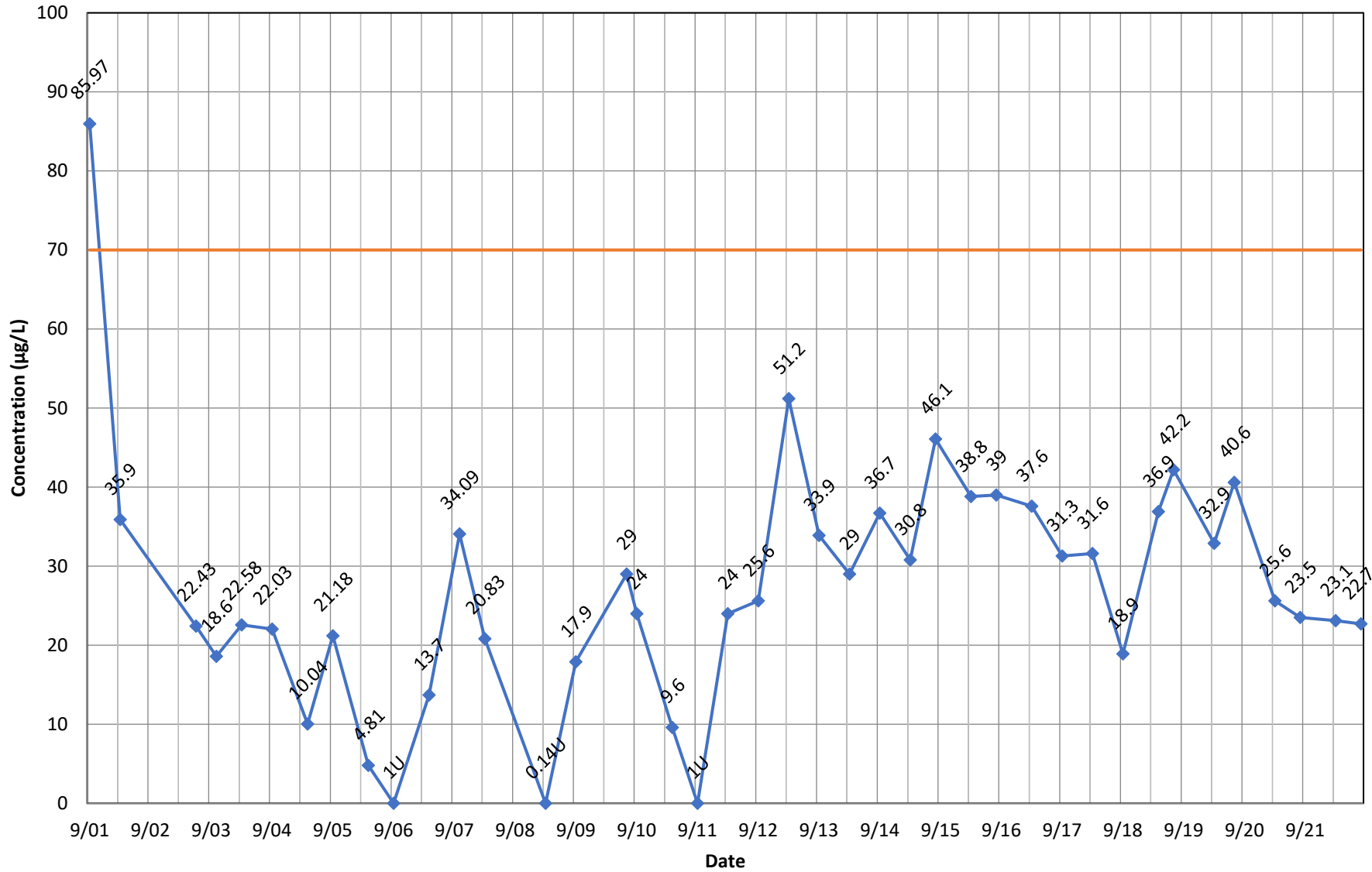
◆ Concentration    — Current\_MCL

### Monitoring Well OB10 - Bis(2-Ethylhexyl) Phthalate



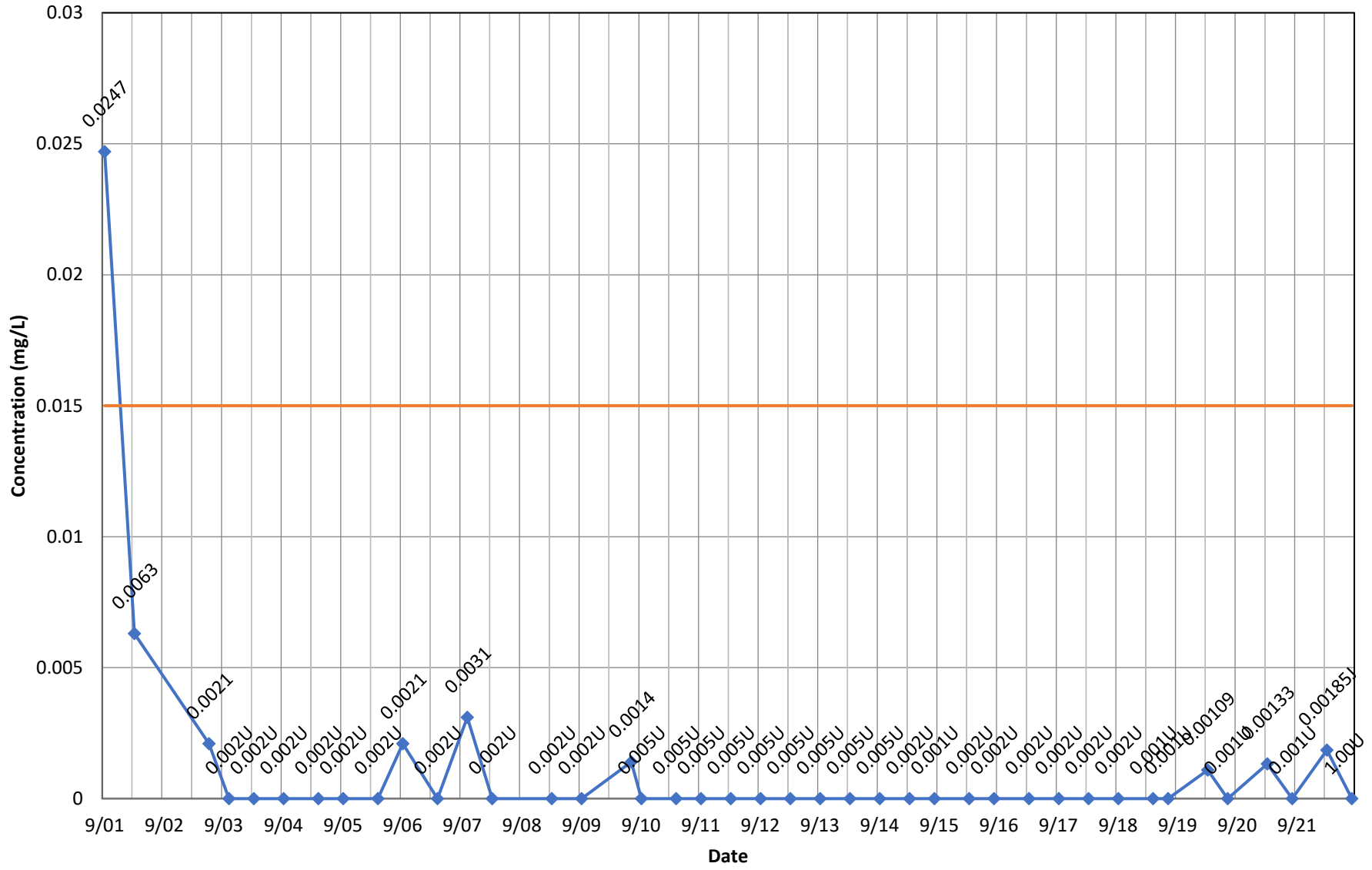
◆ Concentration    — Current\_MCL

# Monitoring Well OB10 - cis-1,2-Dichloroethene



◆ Concentration    — Current\_MCL

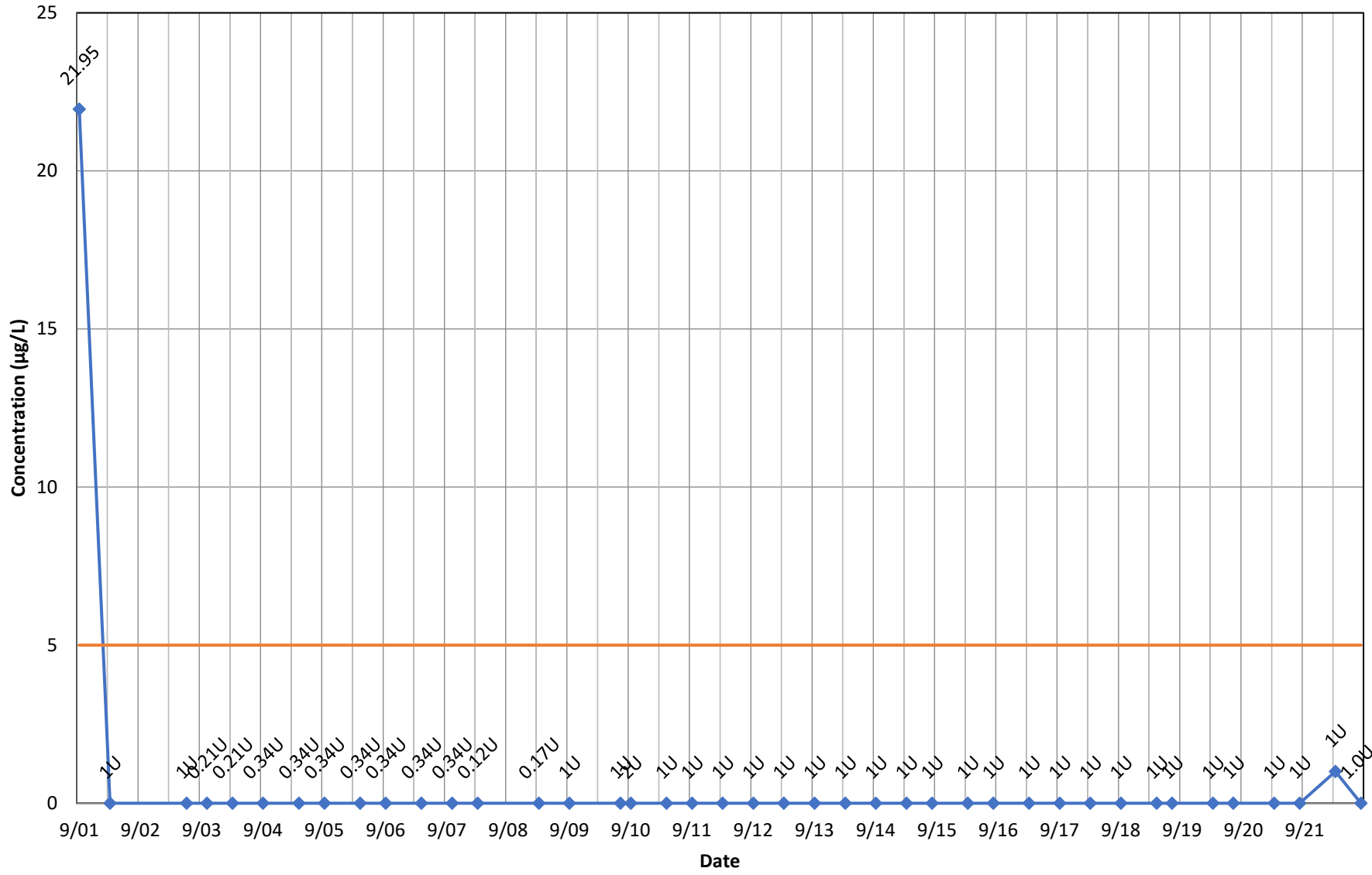
# Monitoring Well OB10 - Lead, total



◆ Concentration    — Current\_MCL

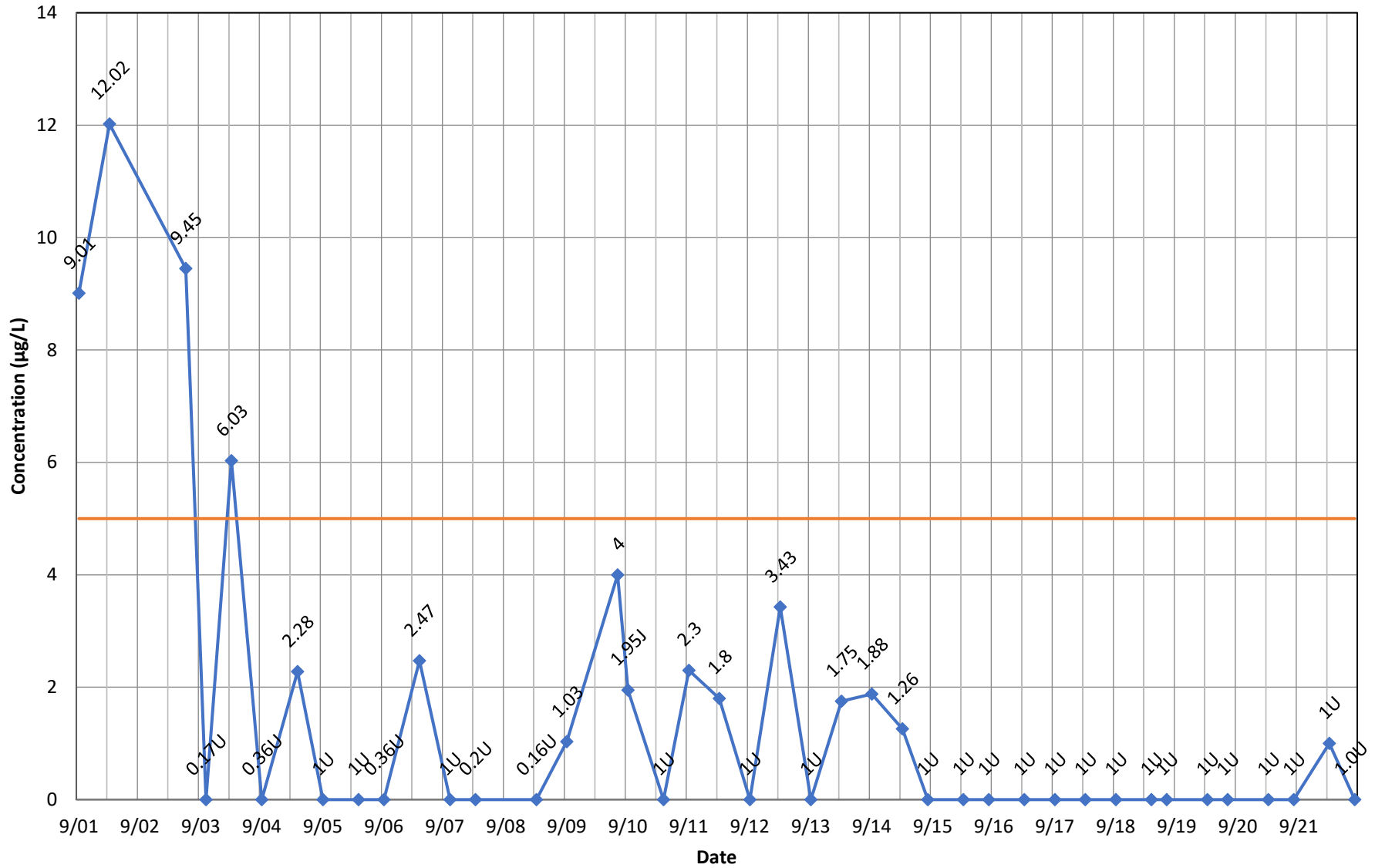


# Monitoring Well OB10 - Methylene Chloride



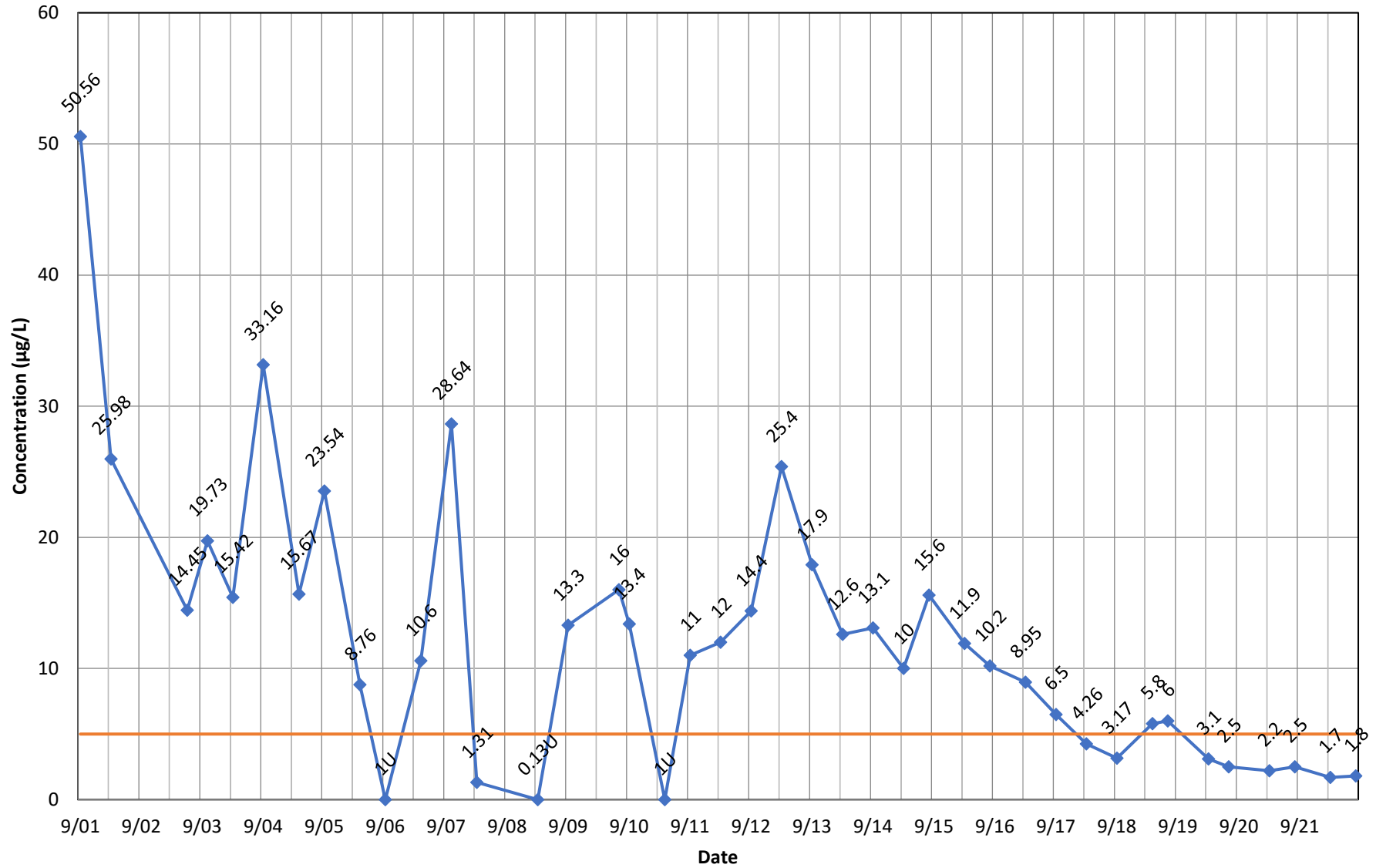
◆ Concentration    — Current\_MCL

# Monitoring Well OB10 - Tetrachloroethene



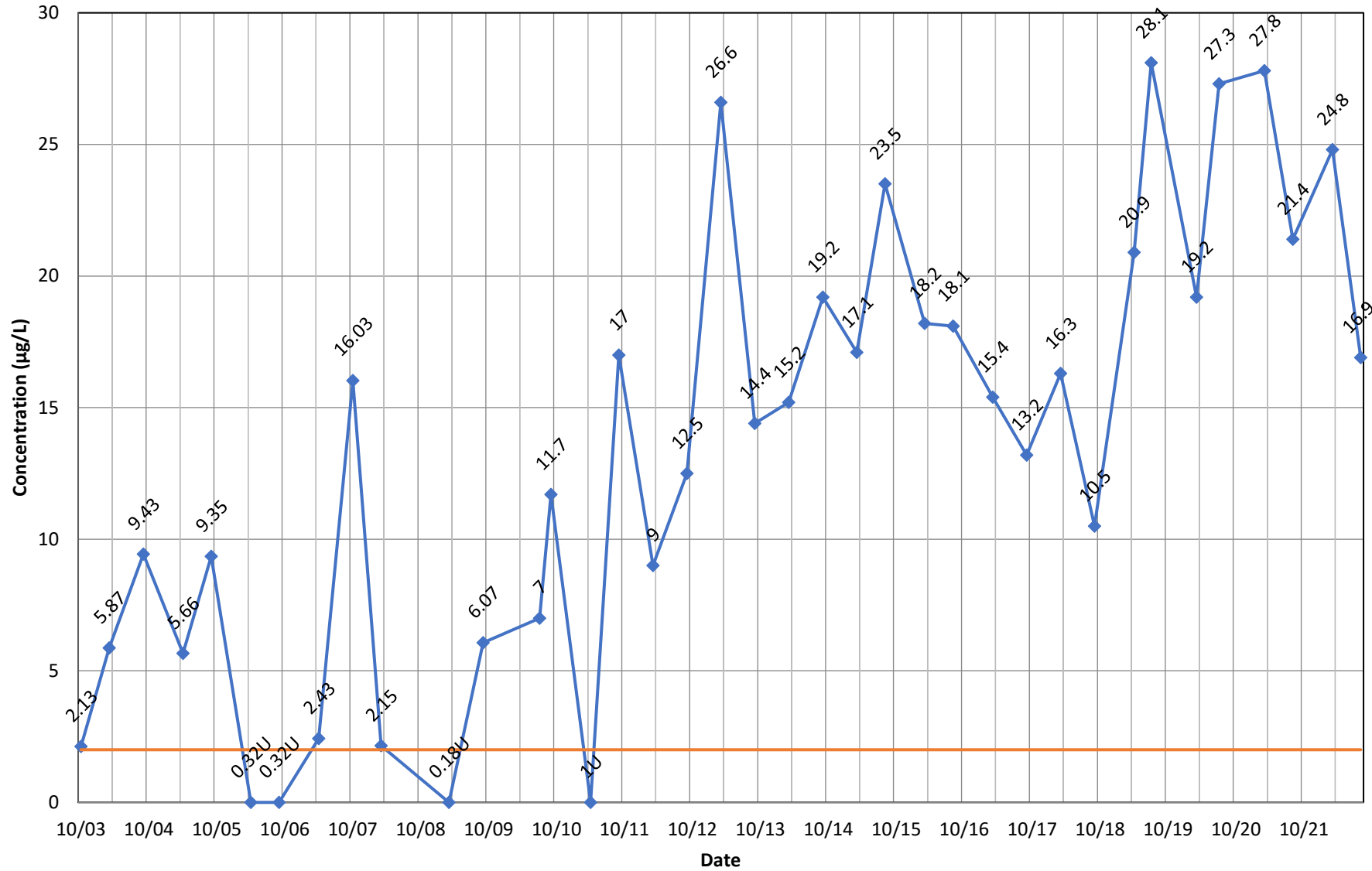
◆ Concentration    — Current\_MCL

# Monitoring Well OB10 - Trichloroethene



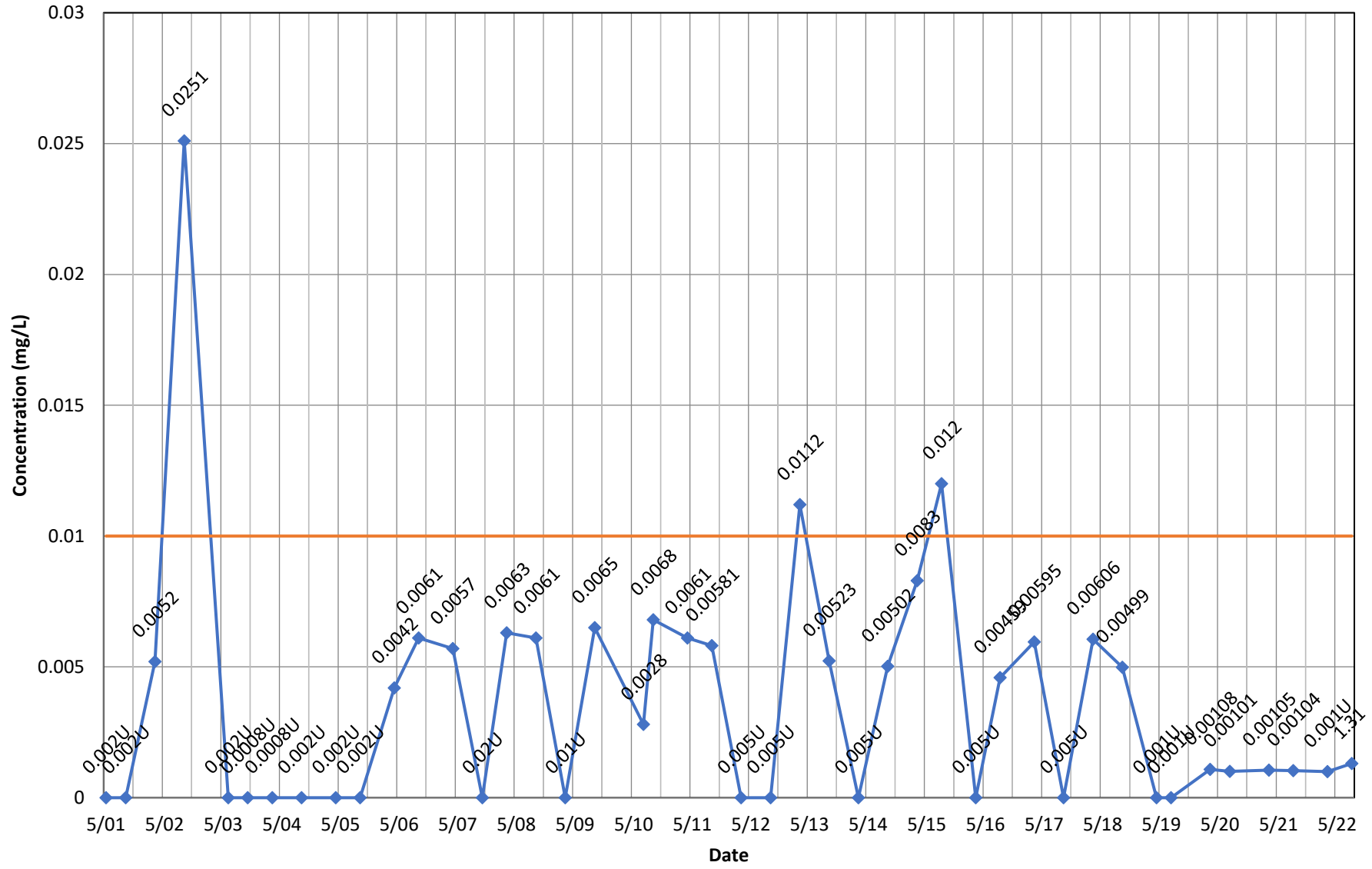
◆ Concentration    — Current\_MCL

# Monitoring Well OB10 - Vinyl Chloride



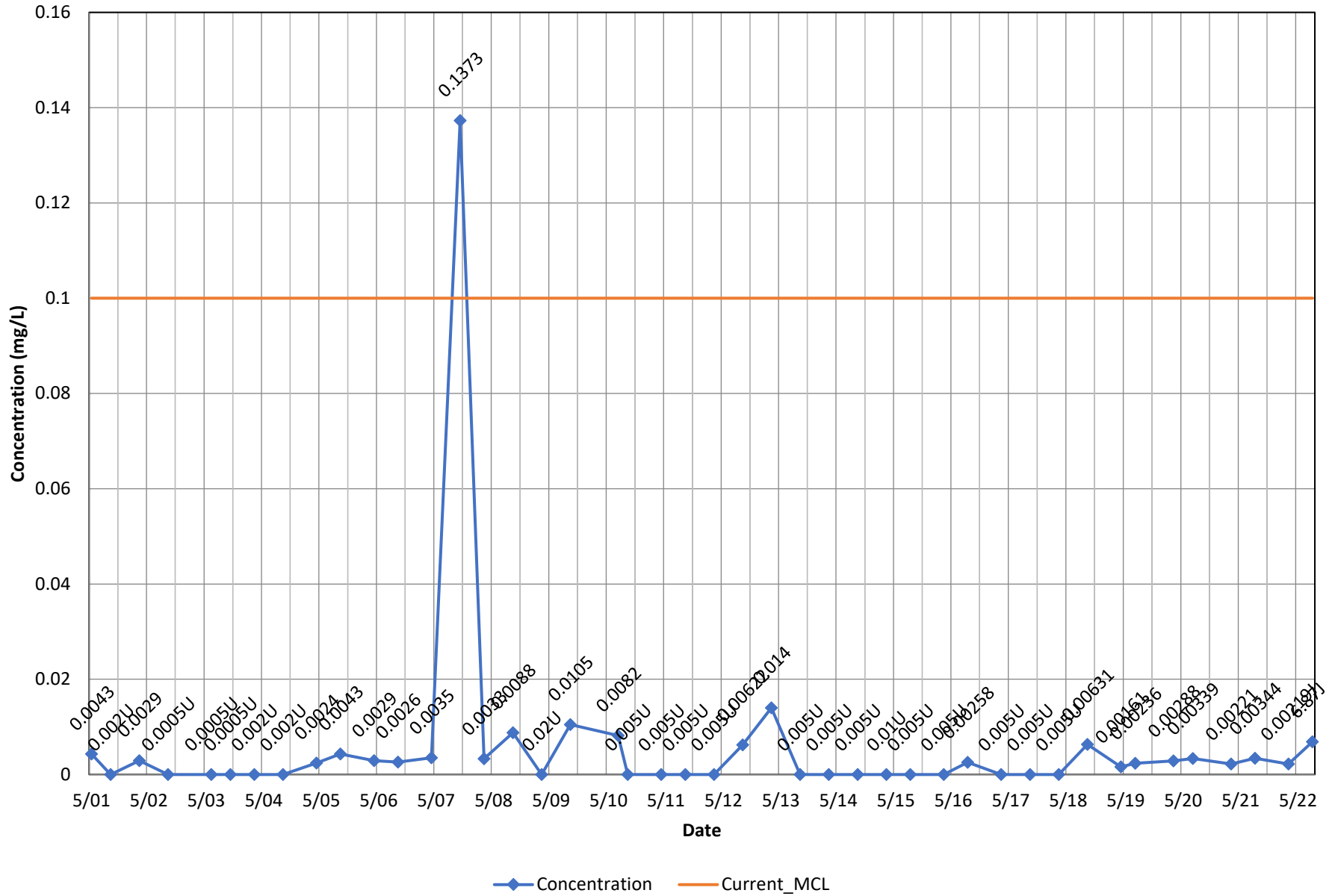
◆ Concentration    — Current\_MCL

# Monitoring Well OB102 - Arsenic, total

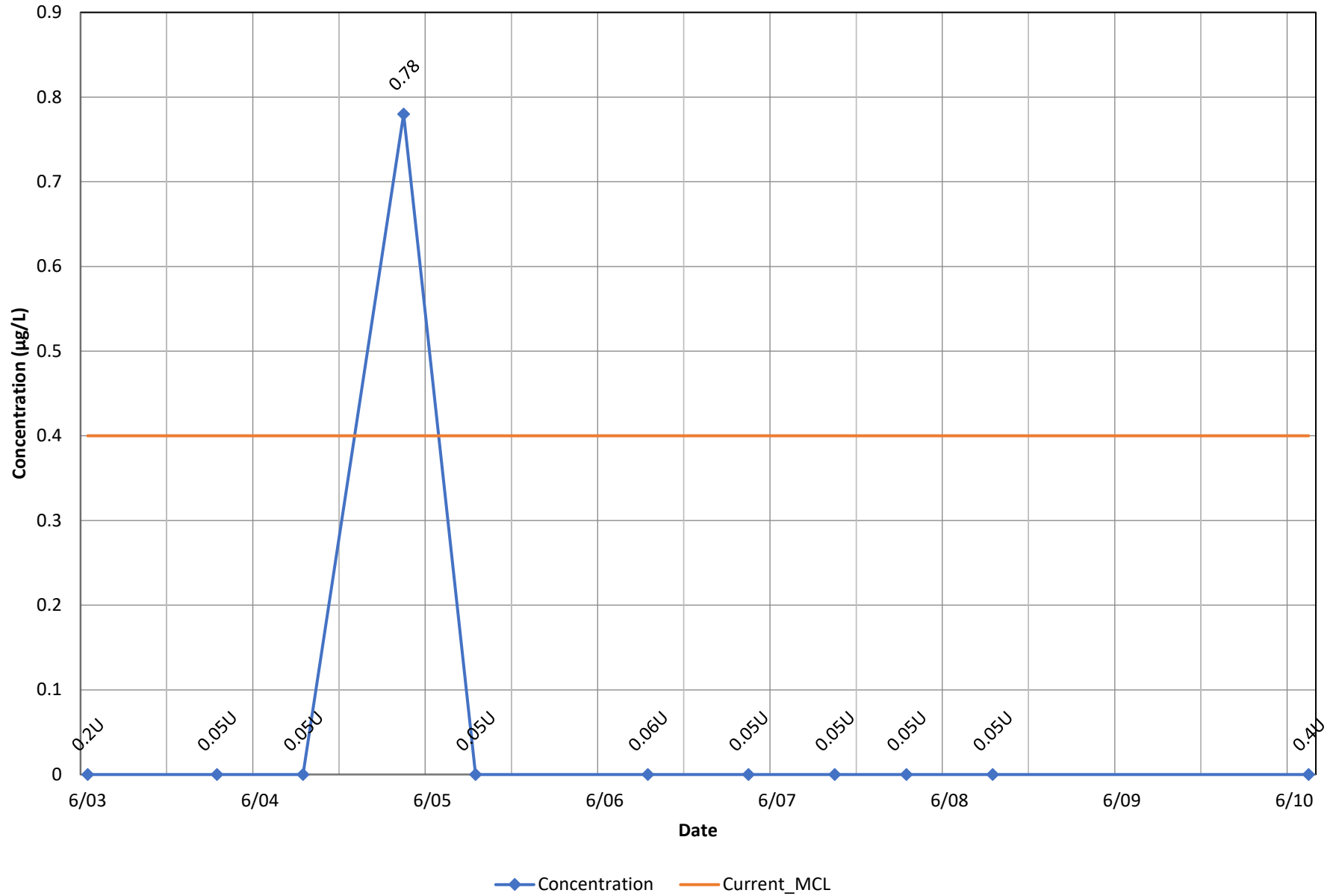


◆ Concentration    — Current\_MCL

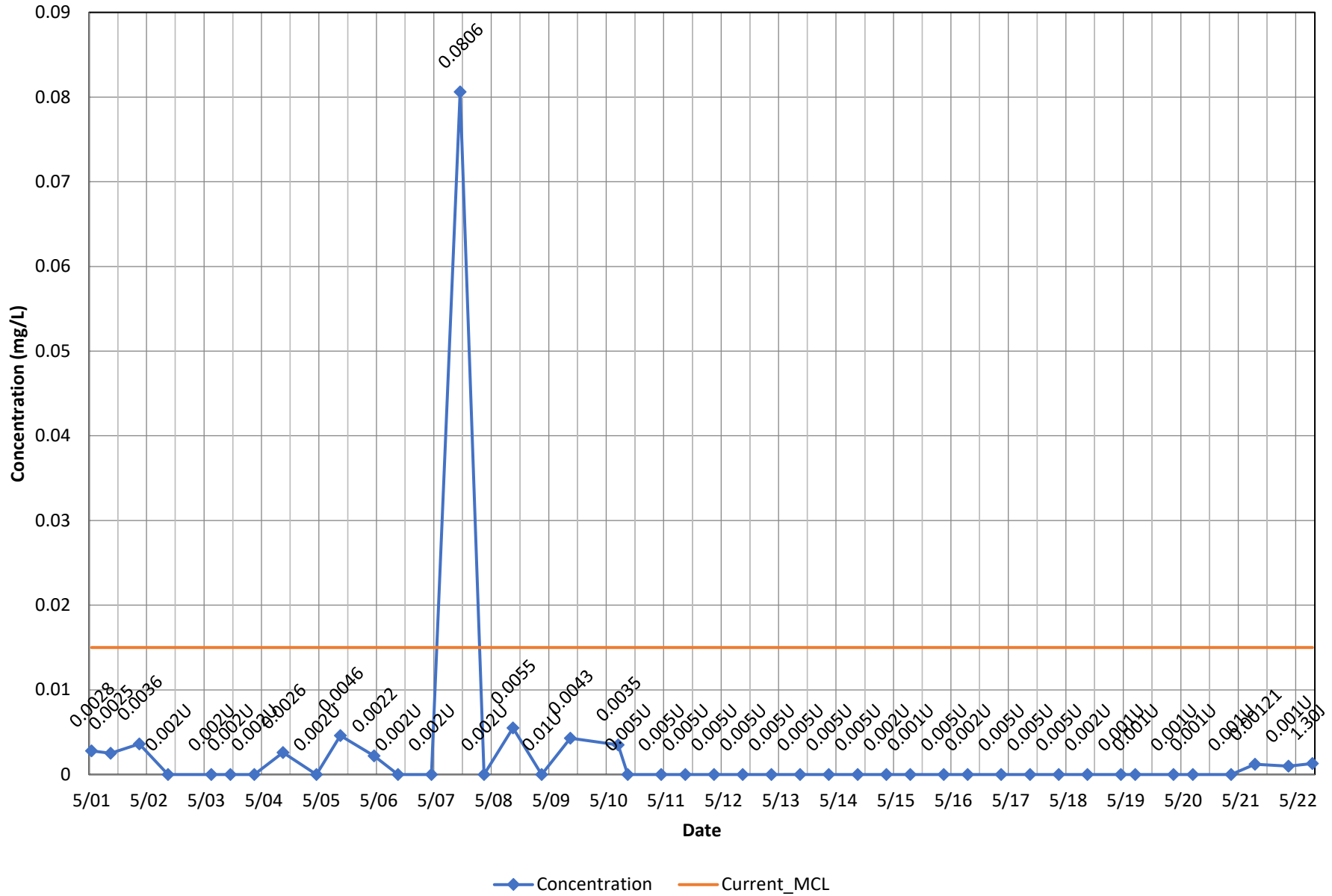
# Monitoring Well OB102 - Chromium, total



# Monitoring Well OB102 - Heptachlor

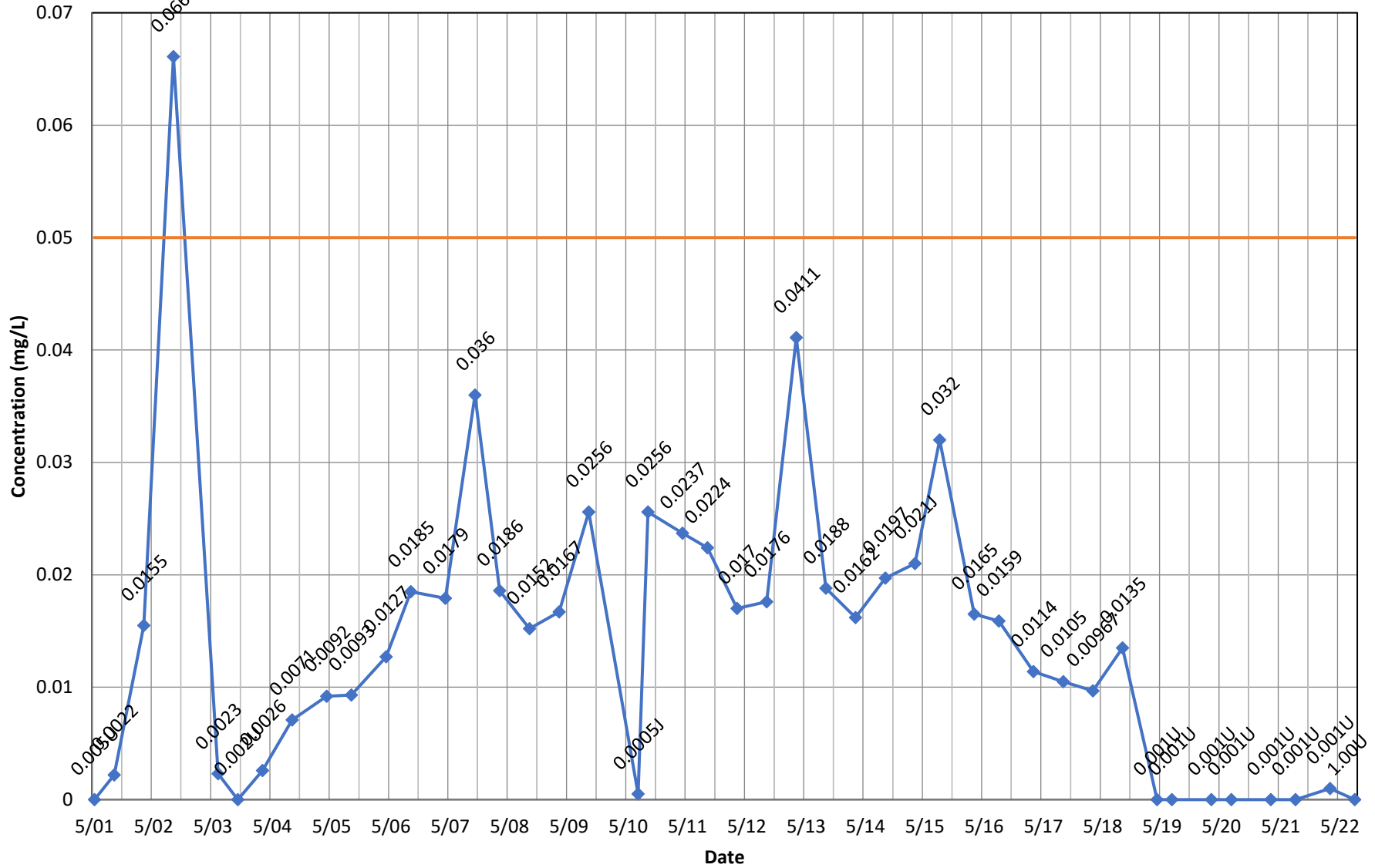


# Monitoring Well OB102 - Lead, total





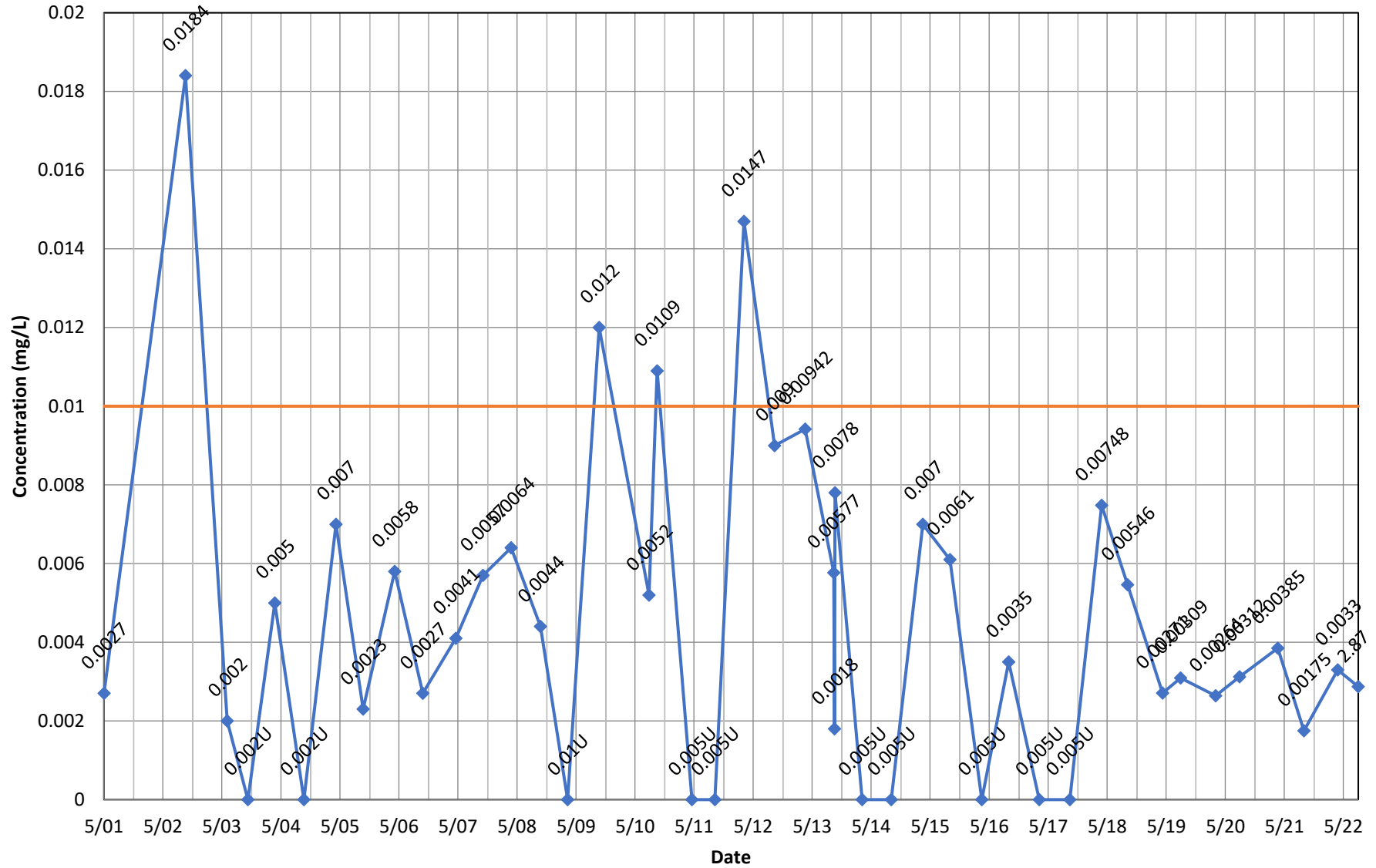
# Monitoring Well OB102 - Selenium, total



◆ Concentration    — Current\_MCL

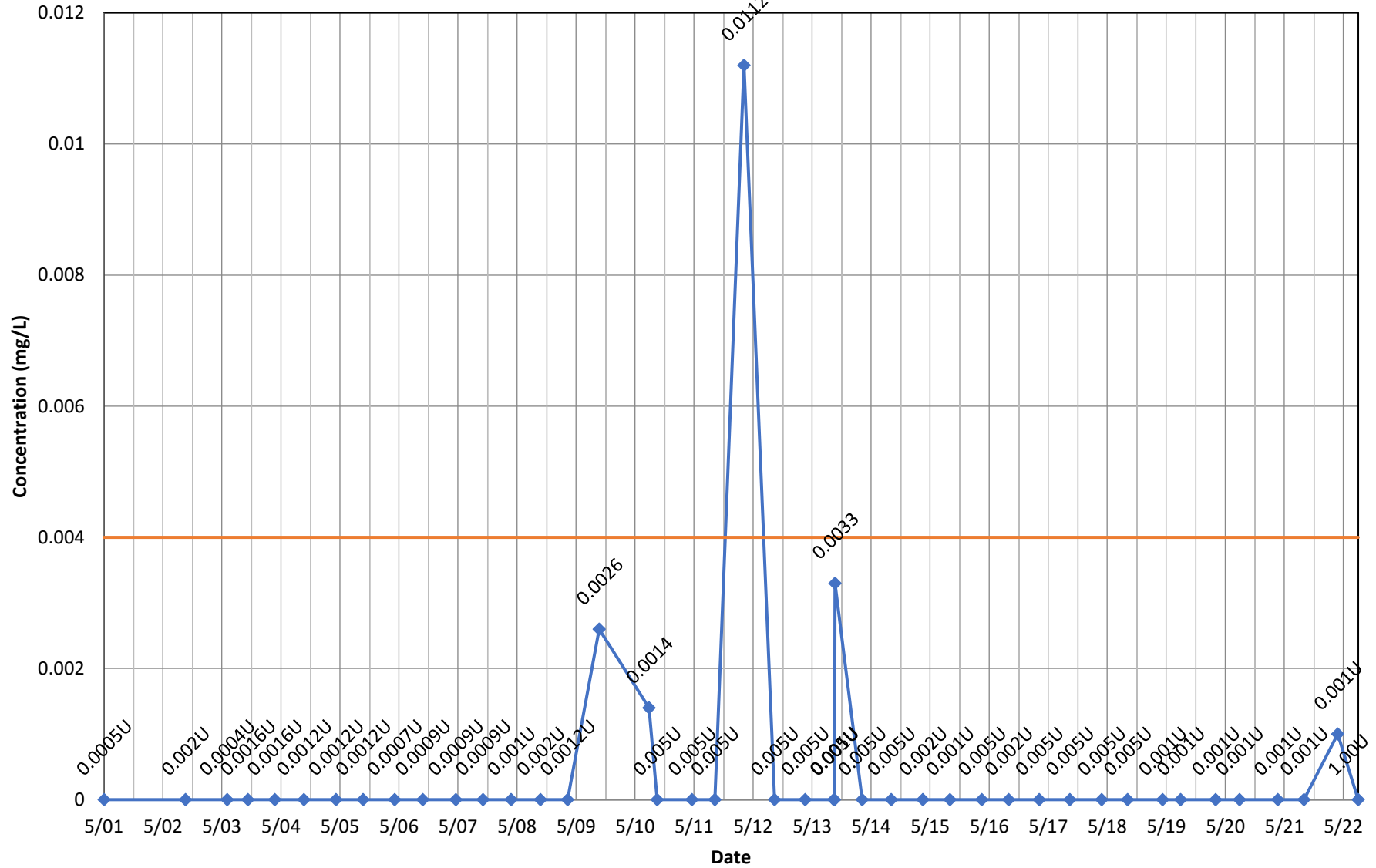


# Monitoring Well OB105 - Arsenic, total



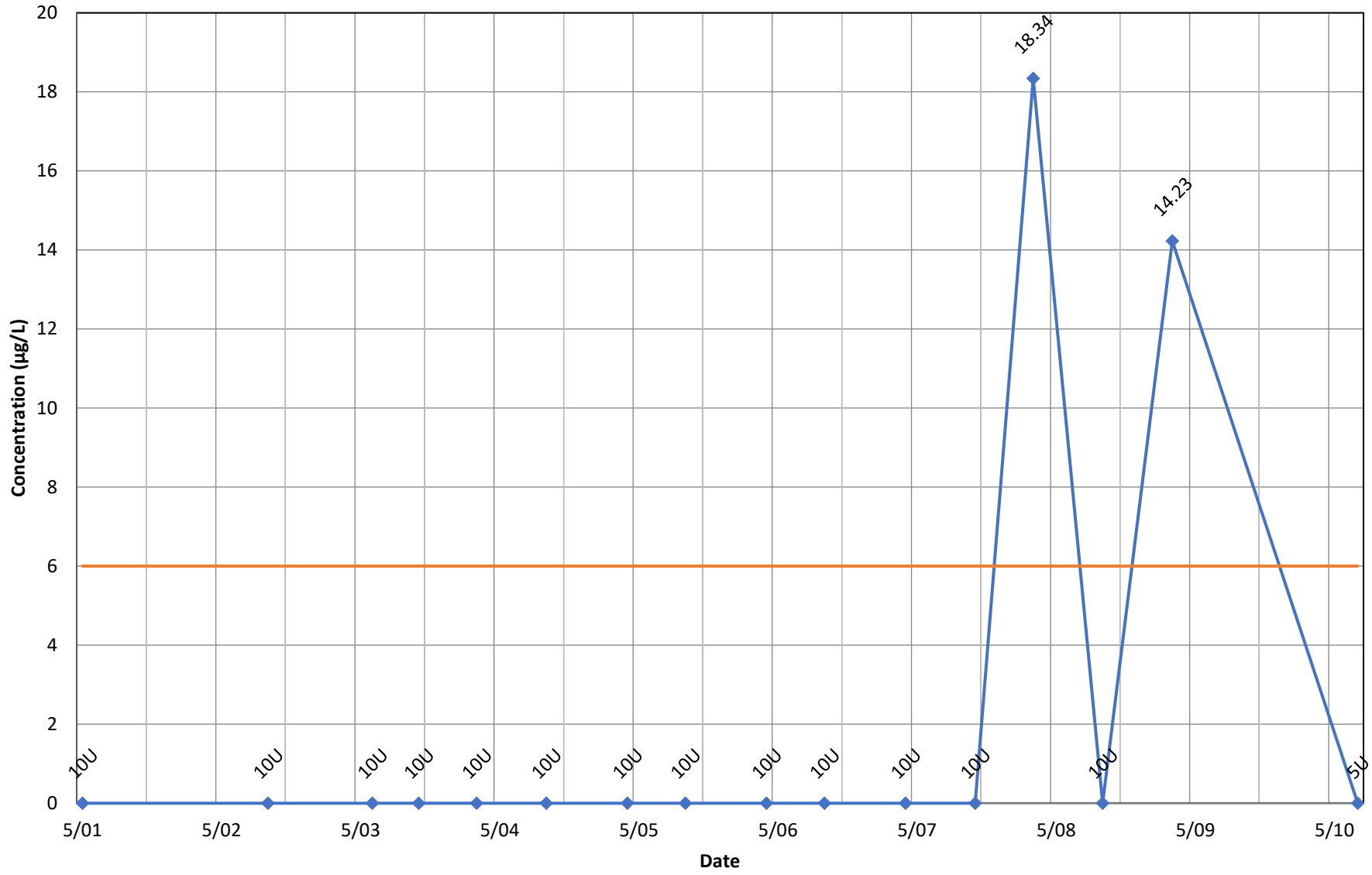
◆ Concentration    — Current\_MCL

# Monitoring Well OB105 - Beryllium, total



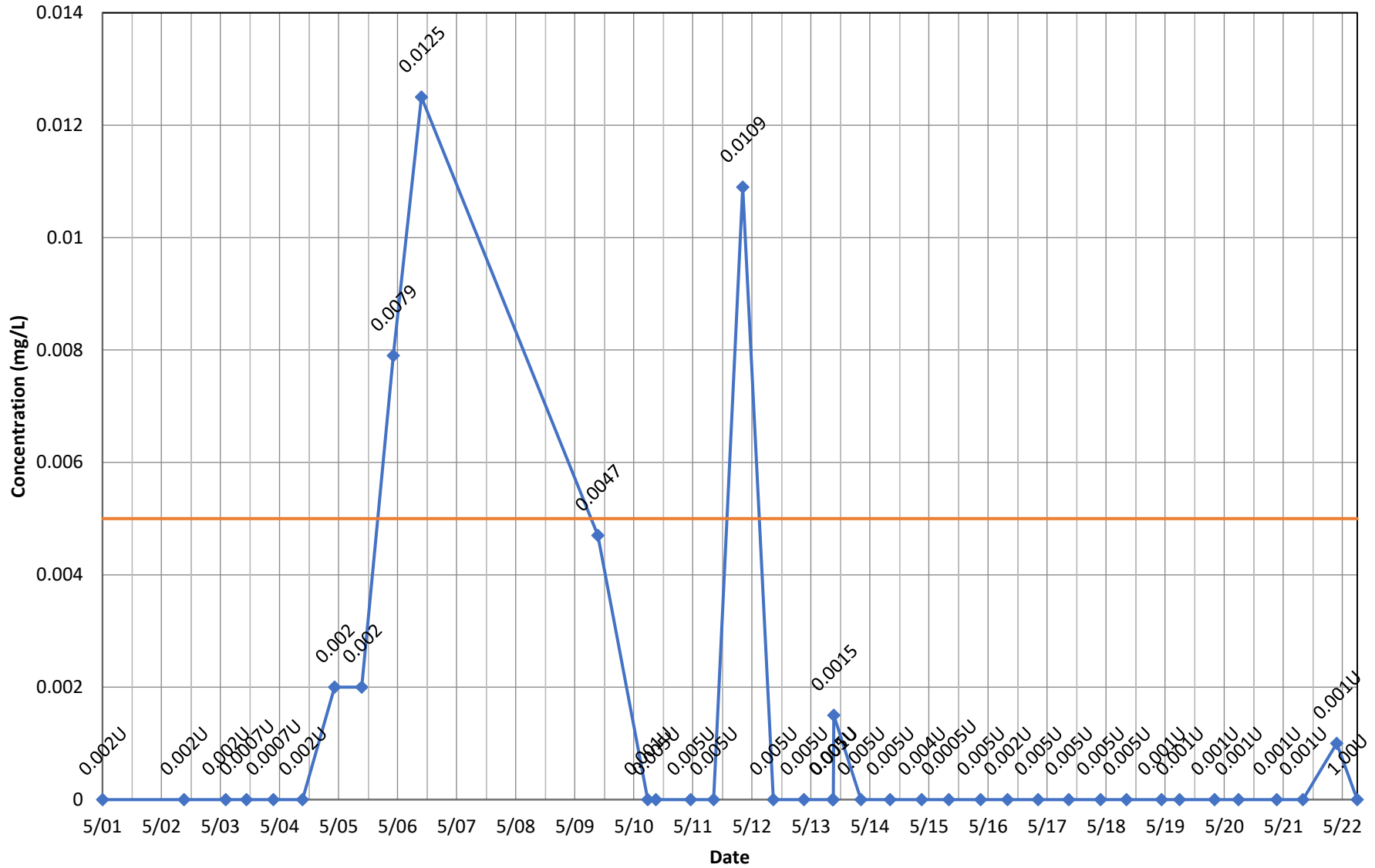
◆ Concentration    — Current\_MCL

### Monitoring Well OB105 - Bis(2-Ethylhexyl) Phthalate



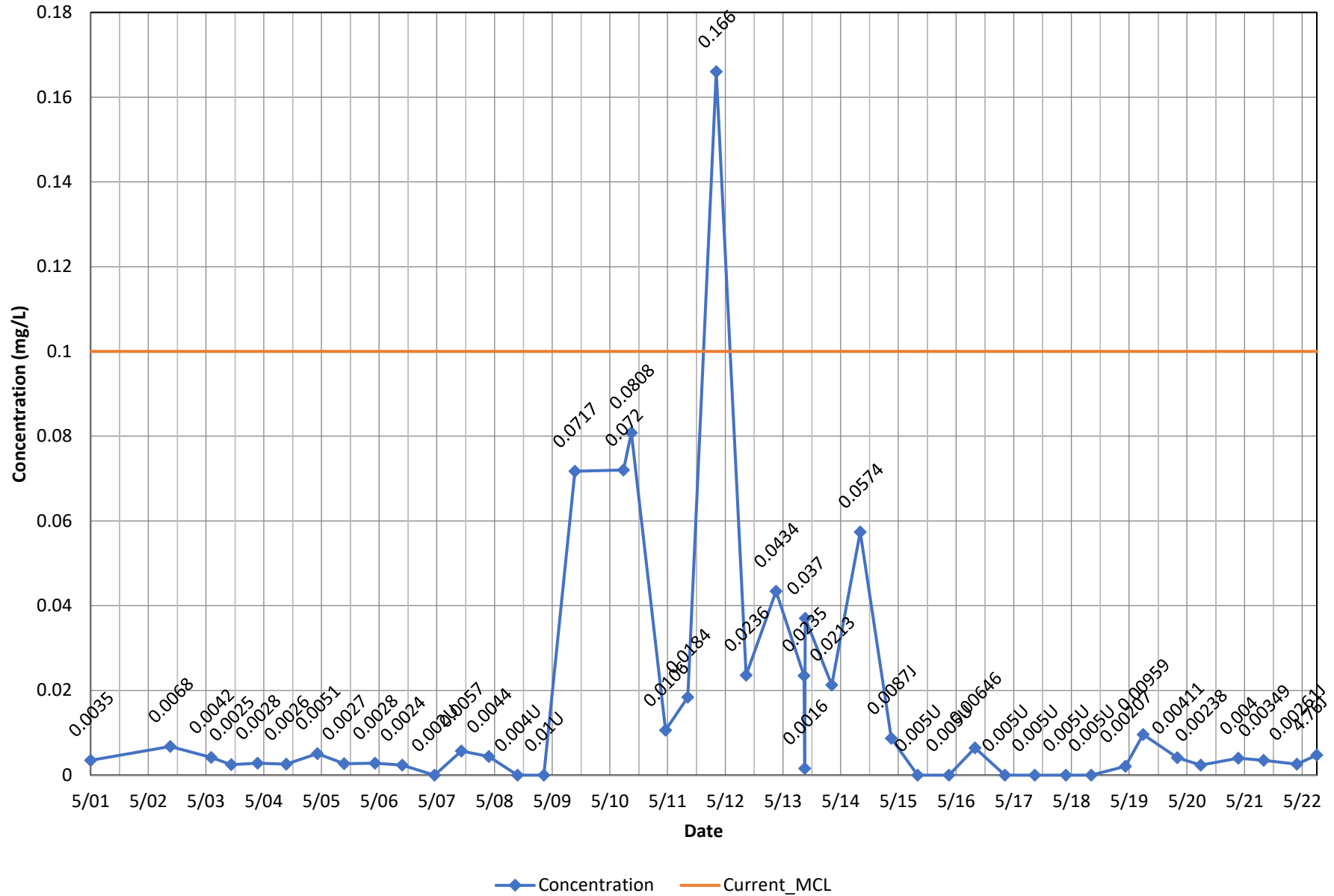
◆ Concentration    — Current\_MCL

# Monitoring Well OB105 - Cadmium, total

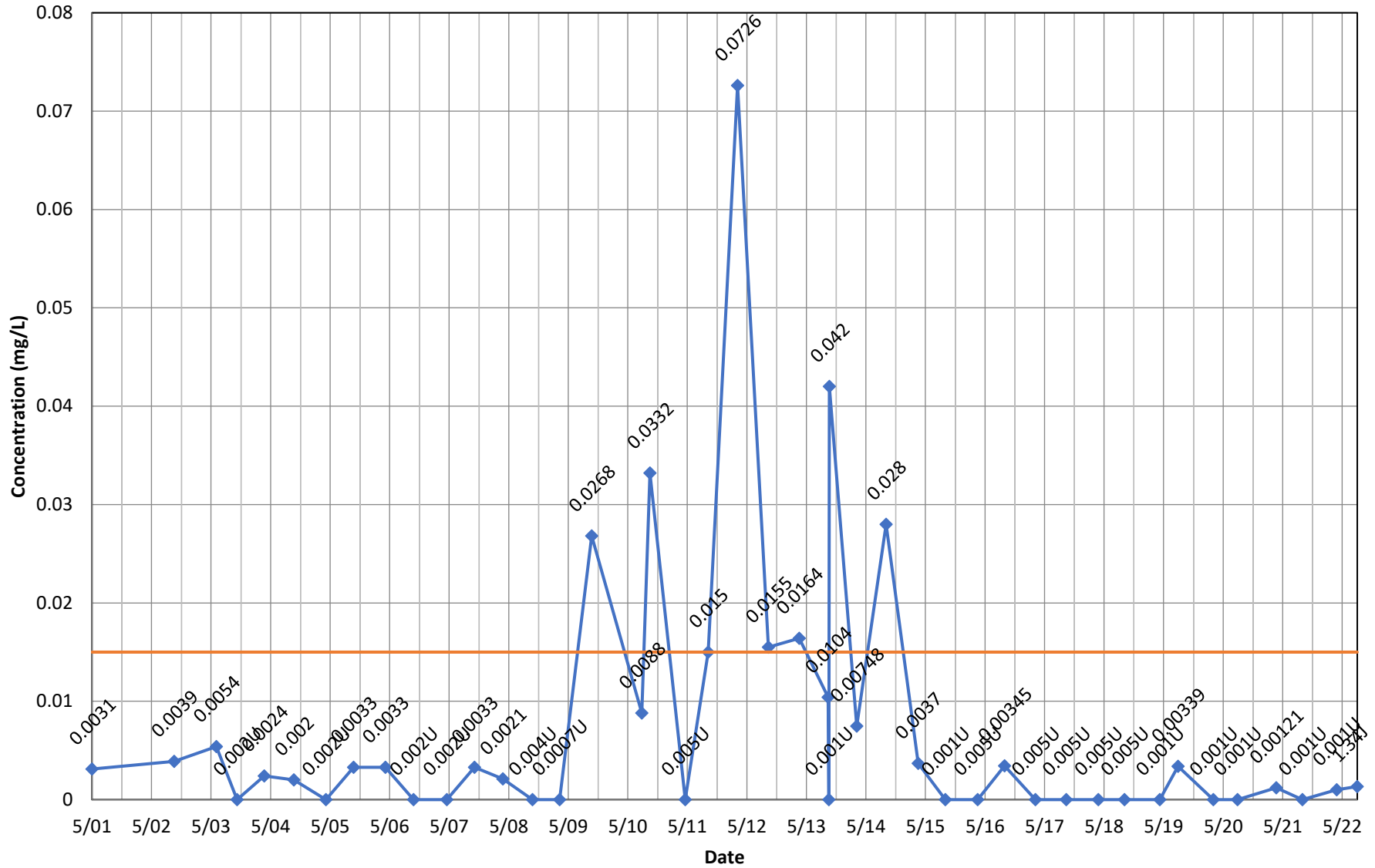


◆ Concentration    — Current\_MCL

# Monitoring Well OB105 - Chromium, total



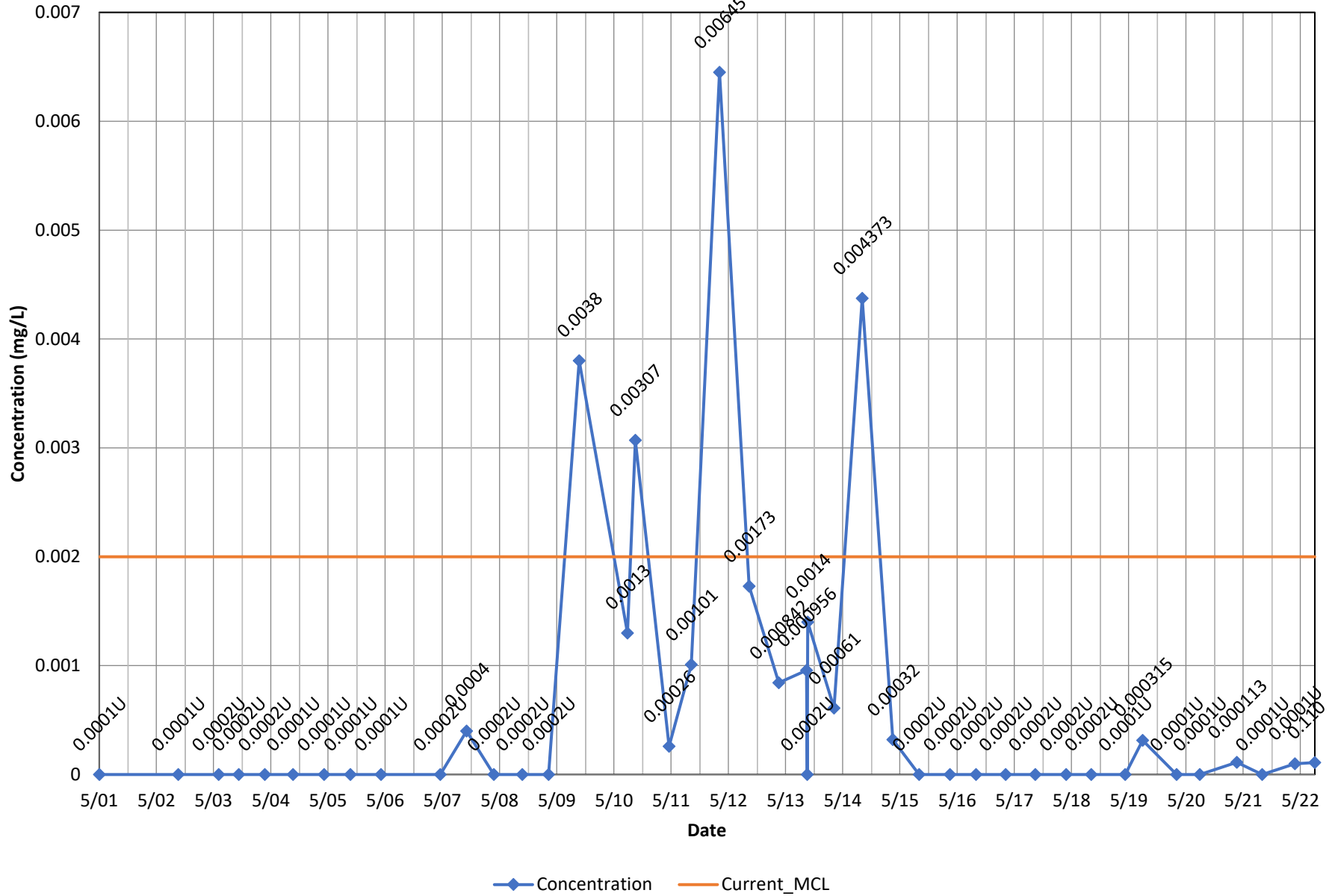
# Monitoring Well OB105 - Lead, total



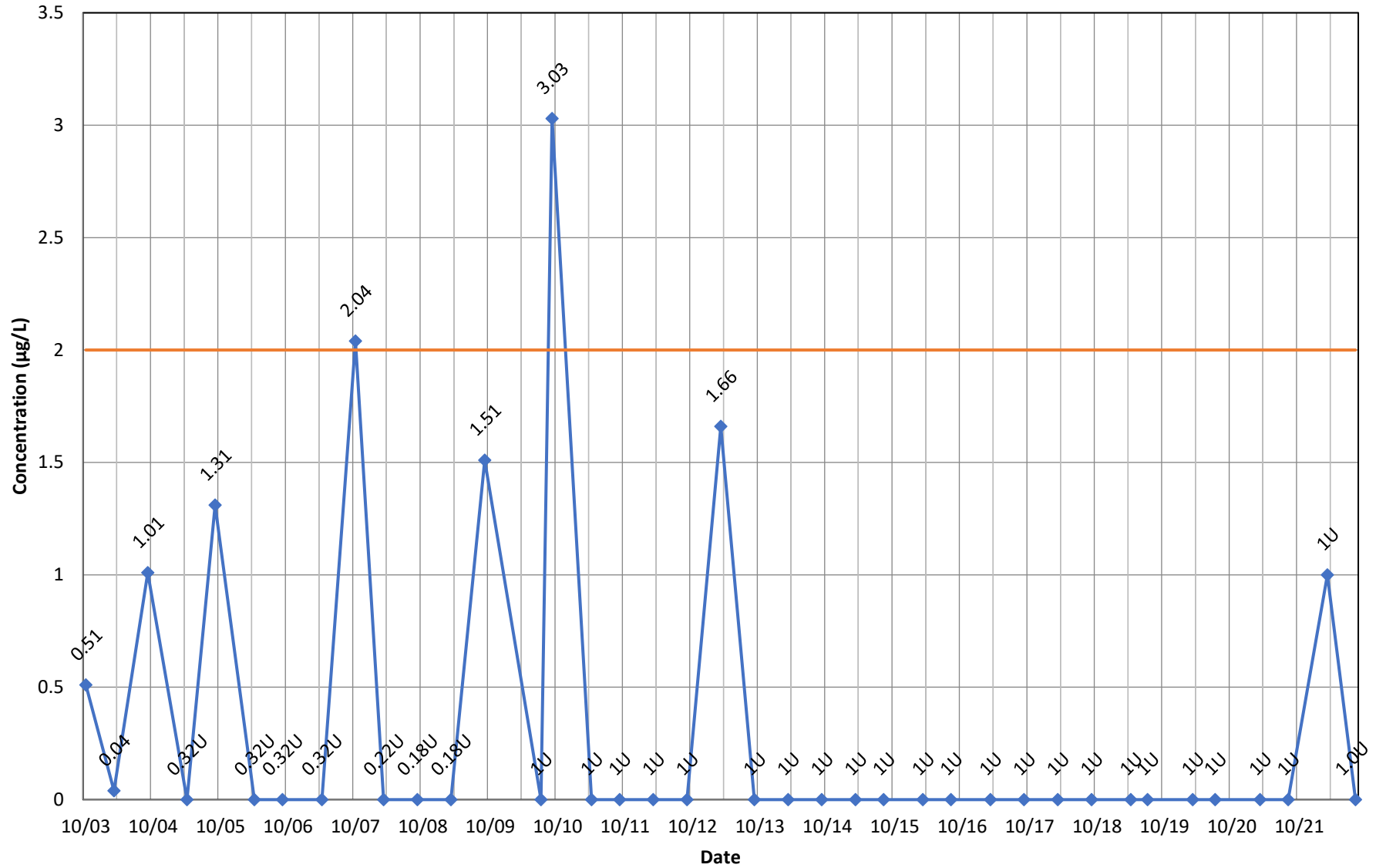
◆ Concentration    — Current\_MCL



# Monitoring Well OB105 - Mercury, total

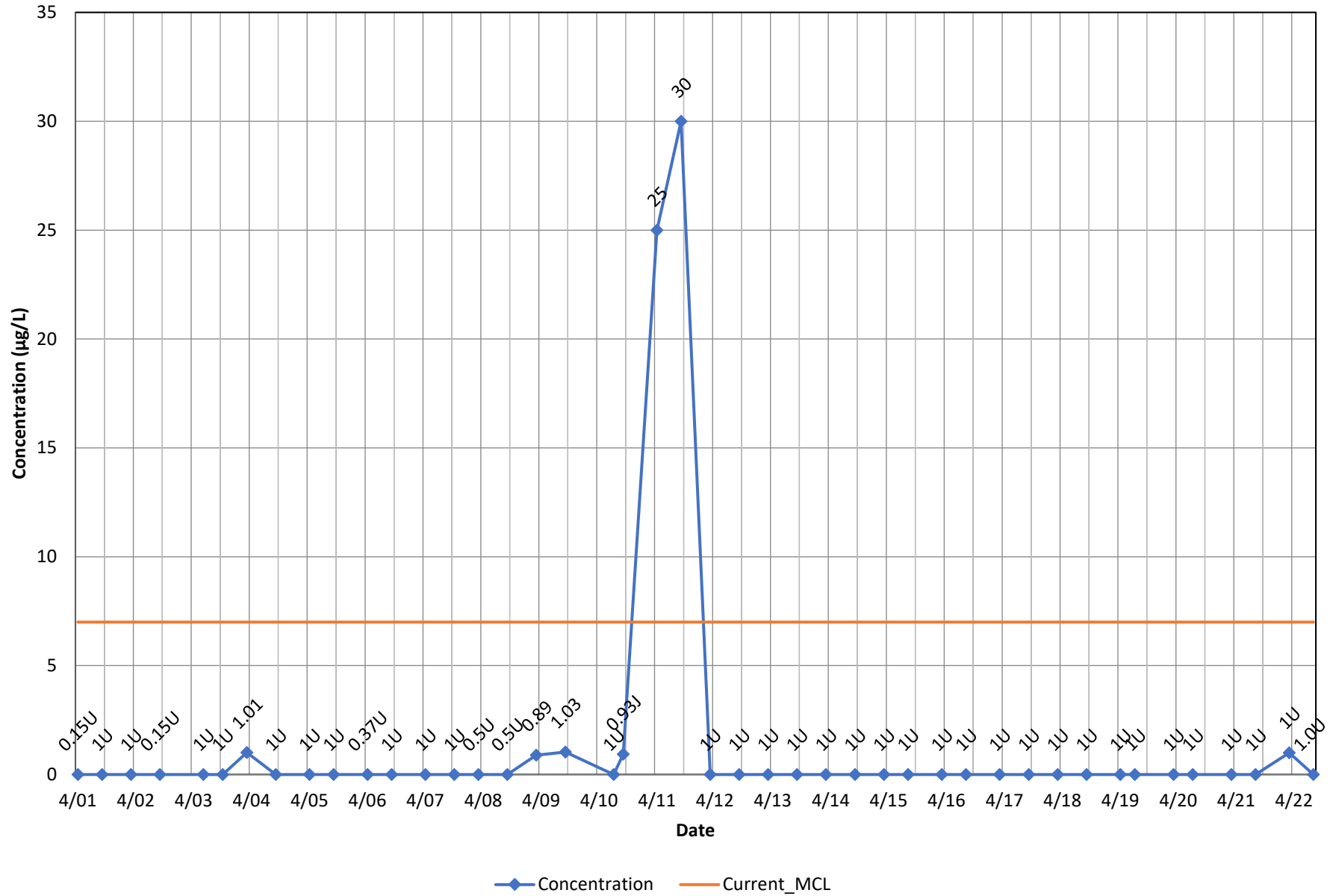


# Monitoring Well OB105 - Vinyl Chloride

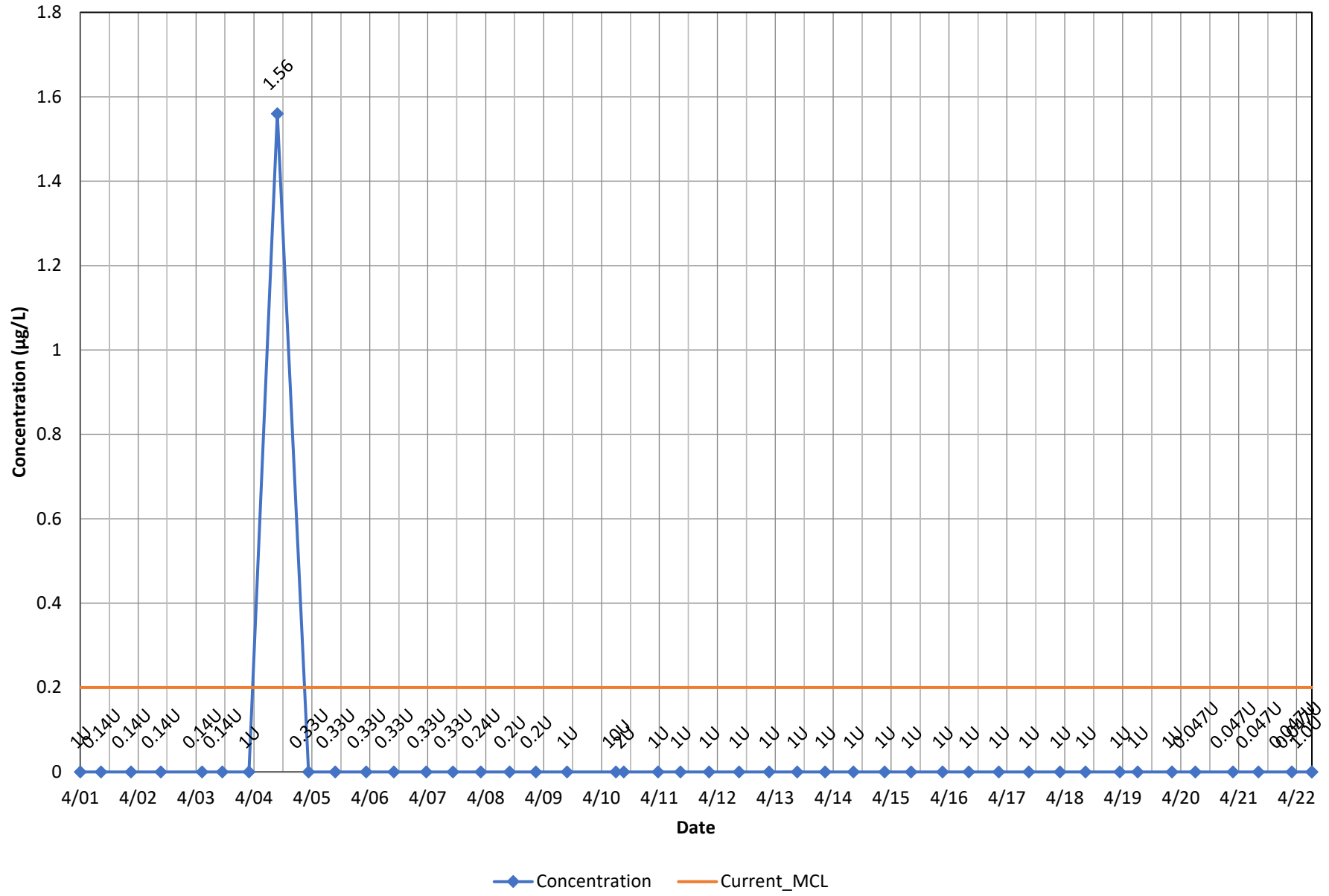


◆ Concentration    — Current\_MCL

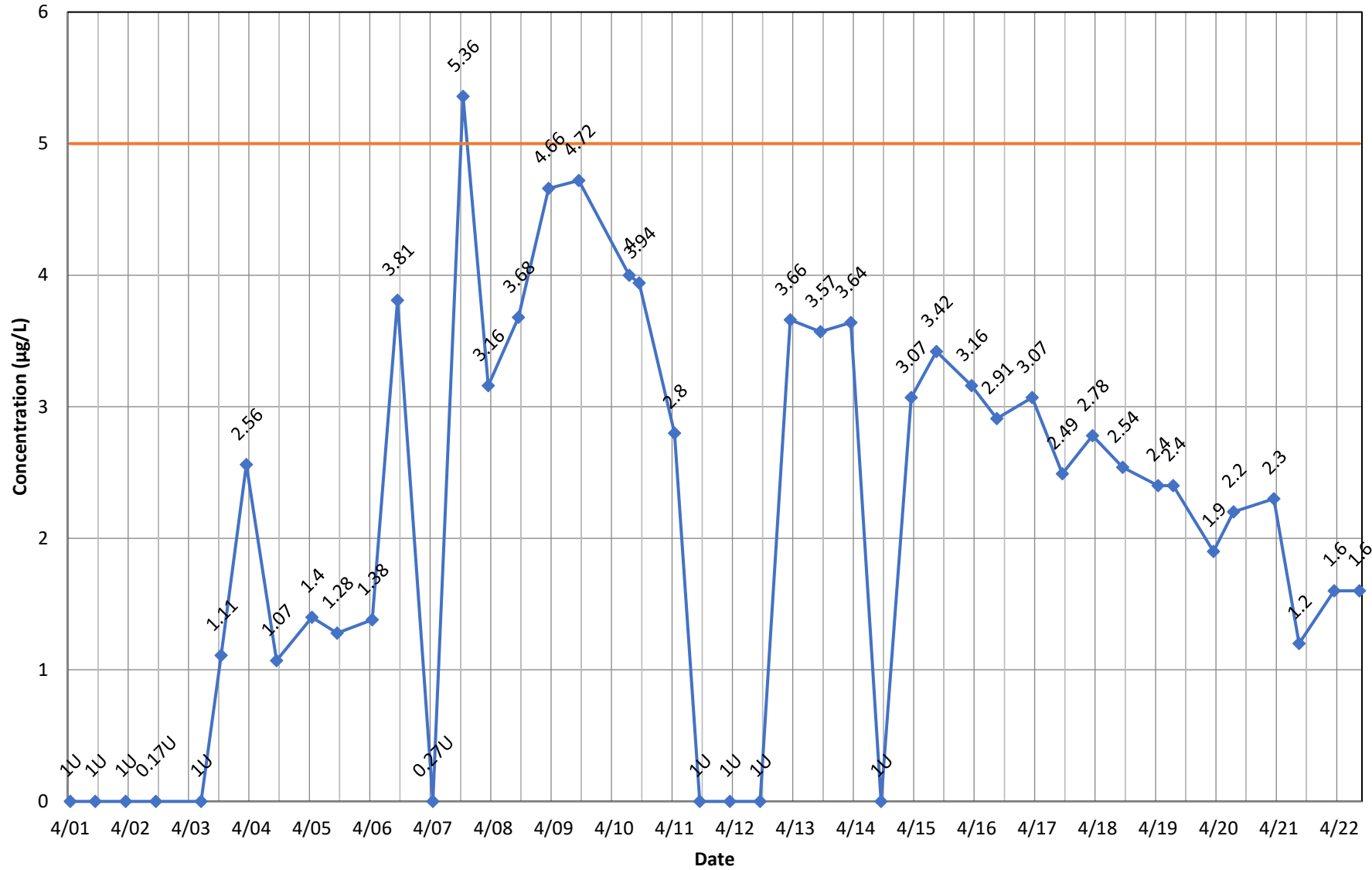
# Monitoring Well OB11 - 1,1-Dichloroethene



# Monitoring Well OB11 - 1,2-Dibromo-3-chloropropane

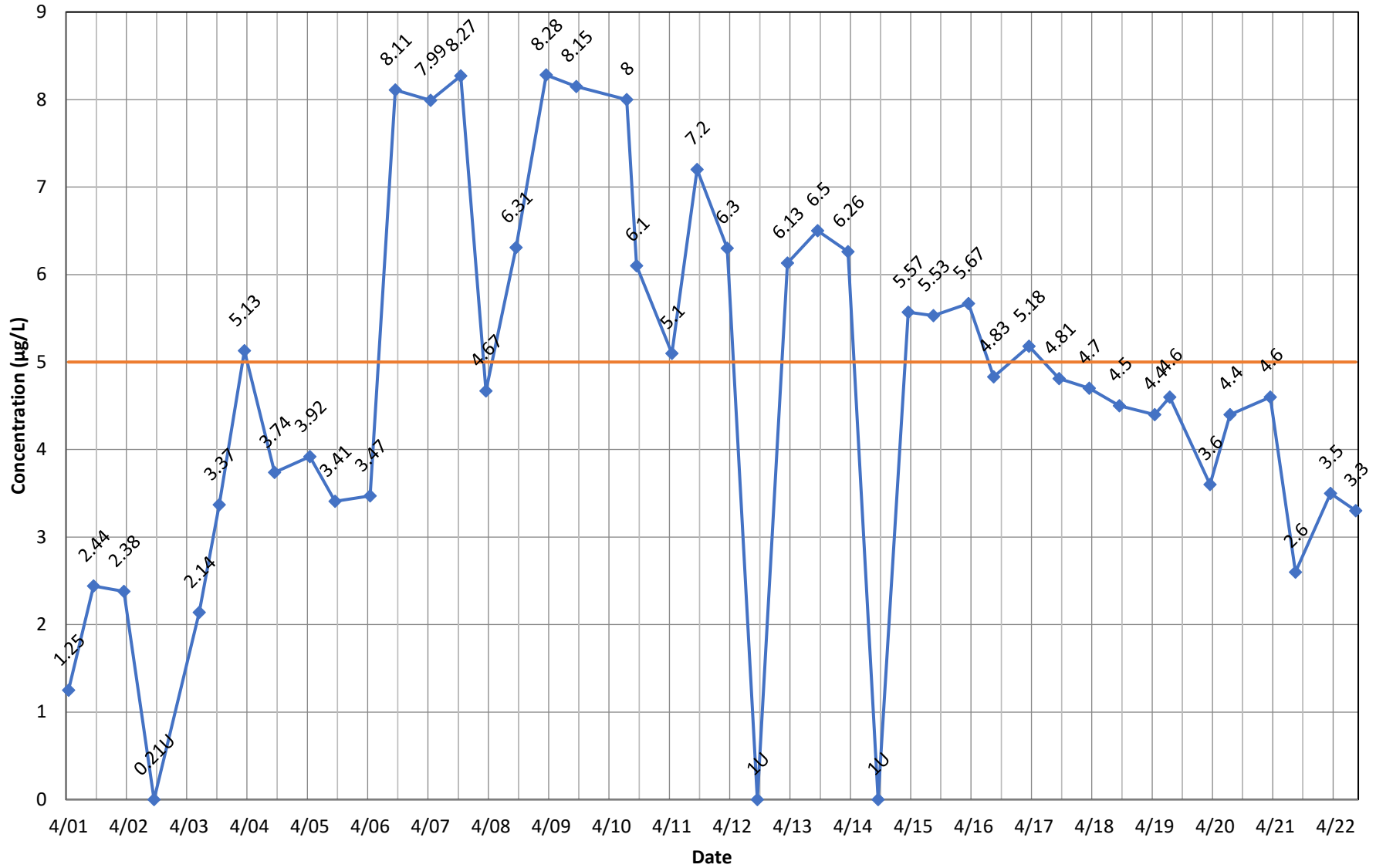


# Monitoring Well OB11 - 1,2-Dichloroethane



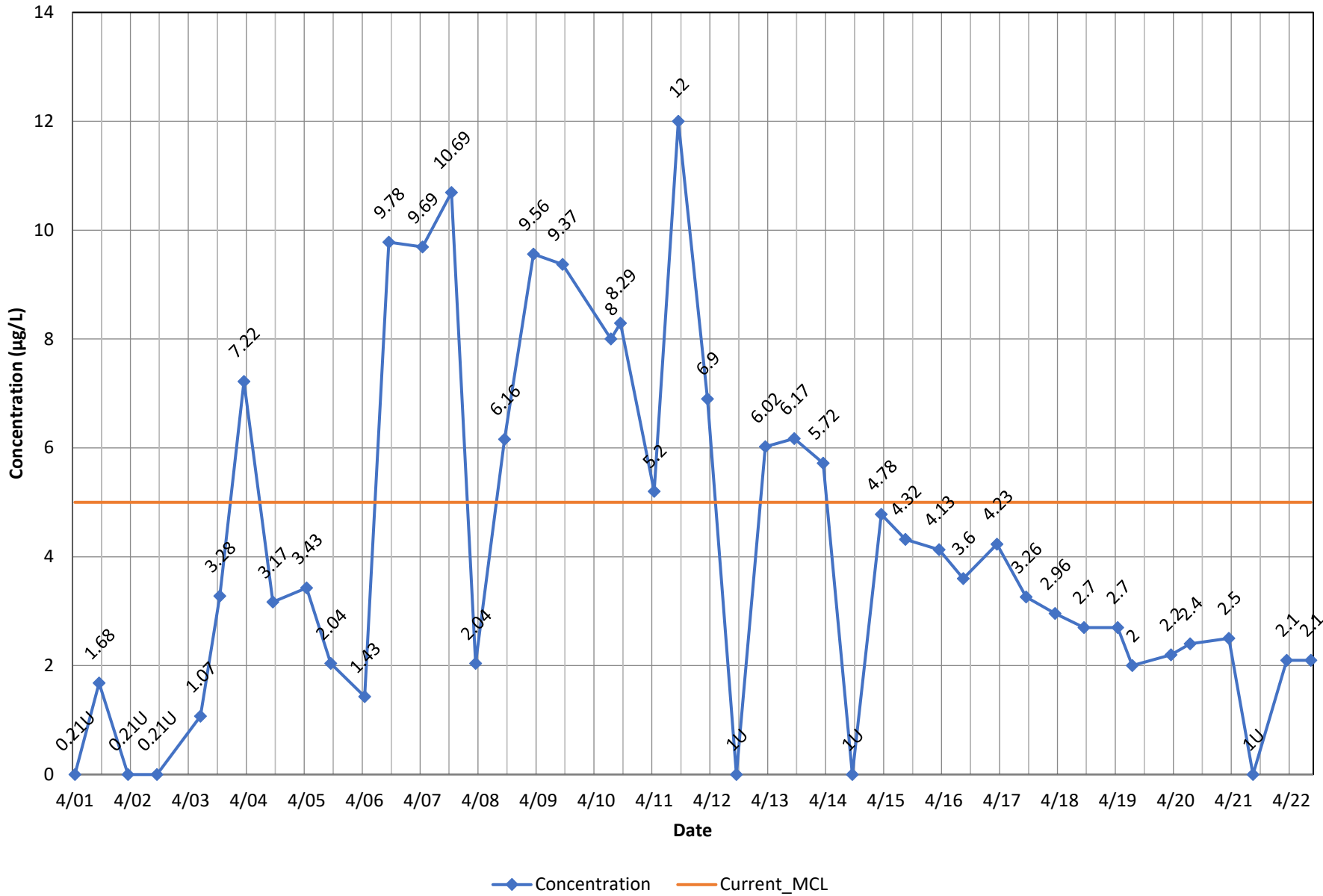
◆ Concentration    — Current\_MCL

# Monitoring Well OB11 - 1,2-Dichloropropane

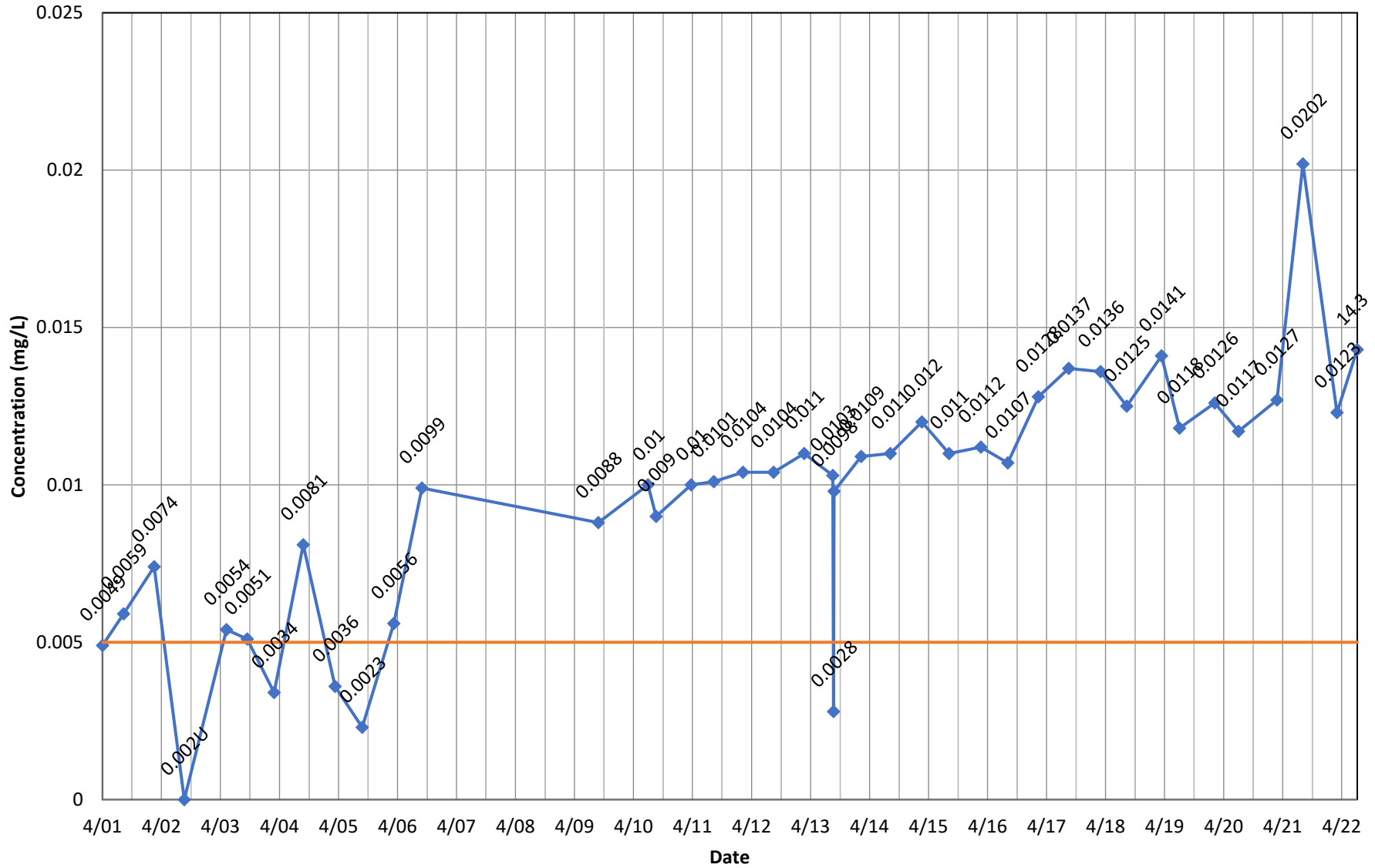


◆ Concentration    — Current\_MCL

# Monitoring Well OB11 - Benzene



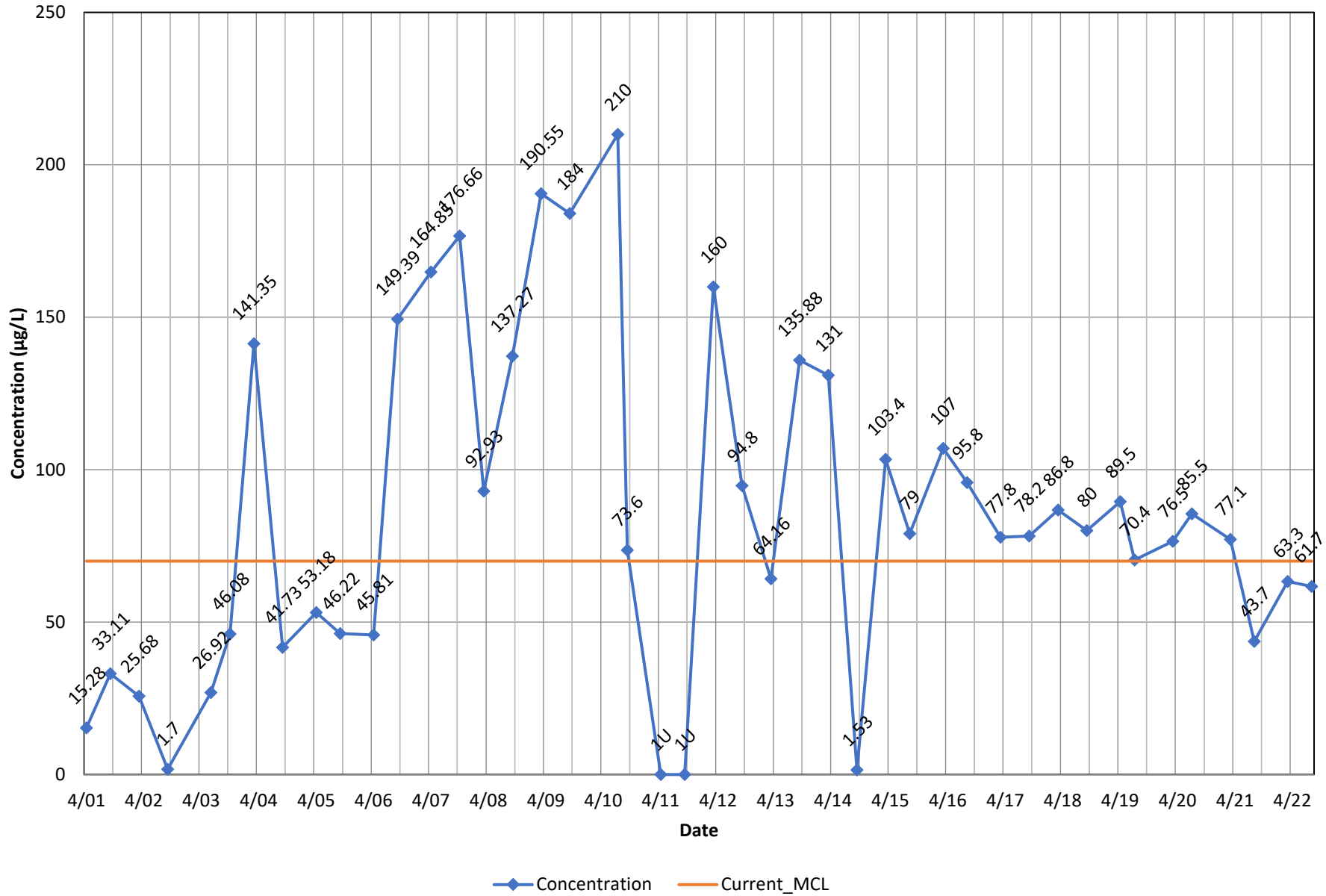
# Monitoring Well OB11 - Cadmium, total



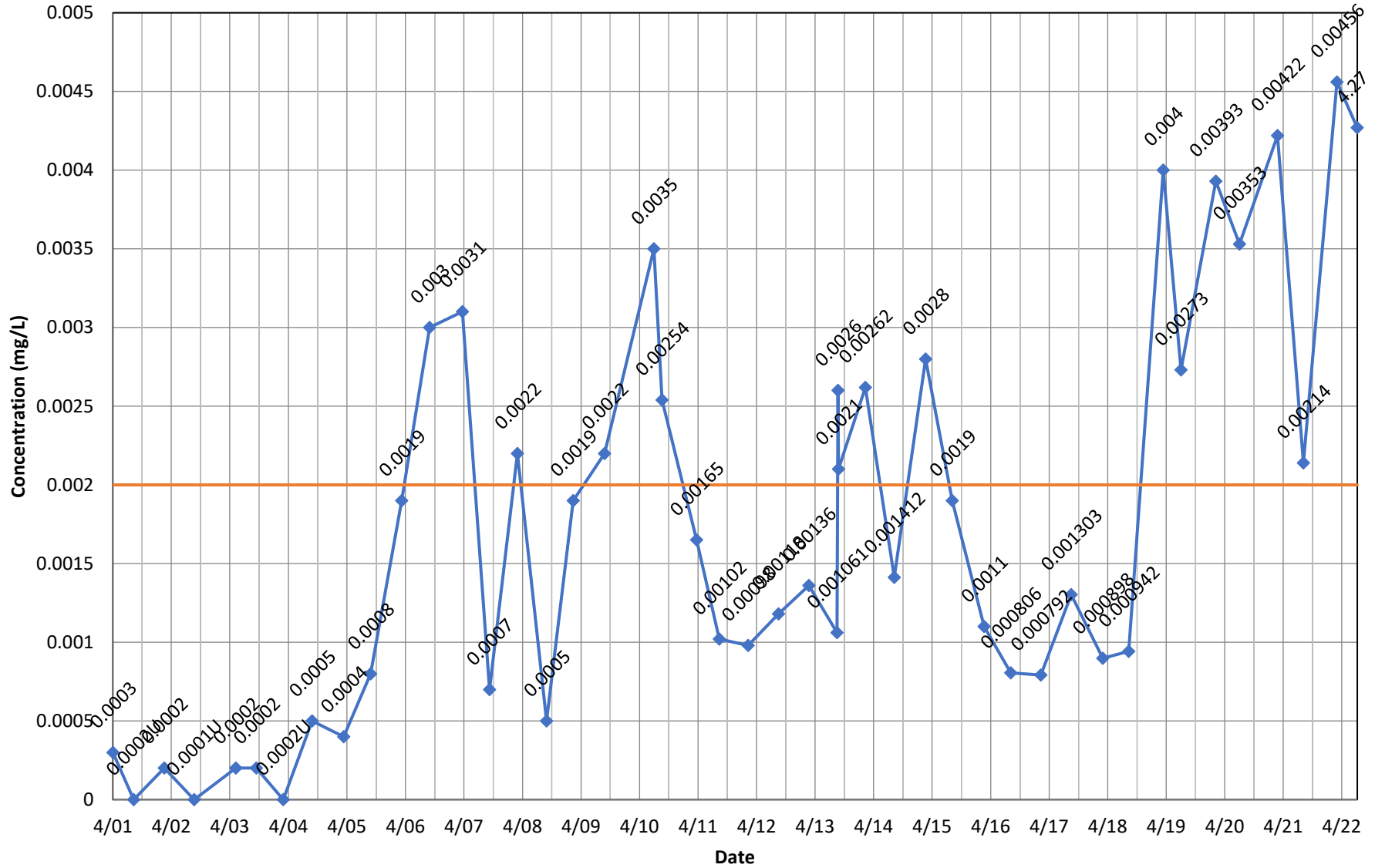
◆ Concentration    — Current\_MCL



# Monitoring Well OB11 - cis-1,2-Dichloroethene

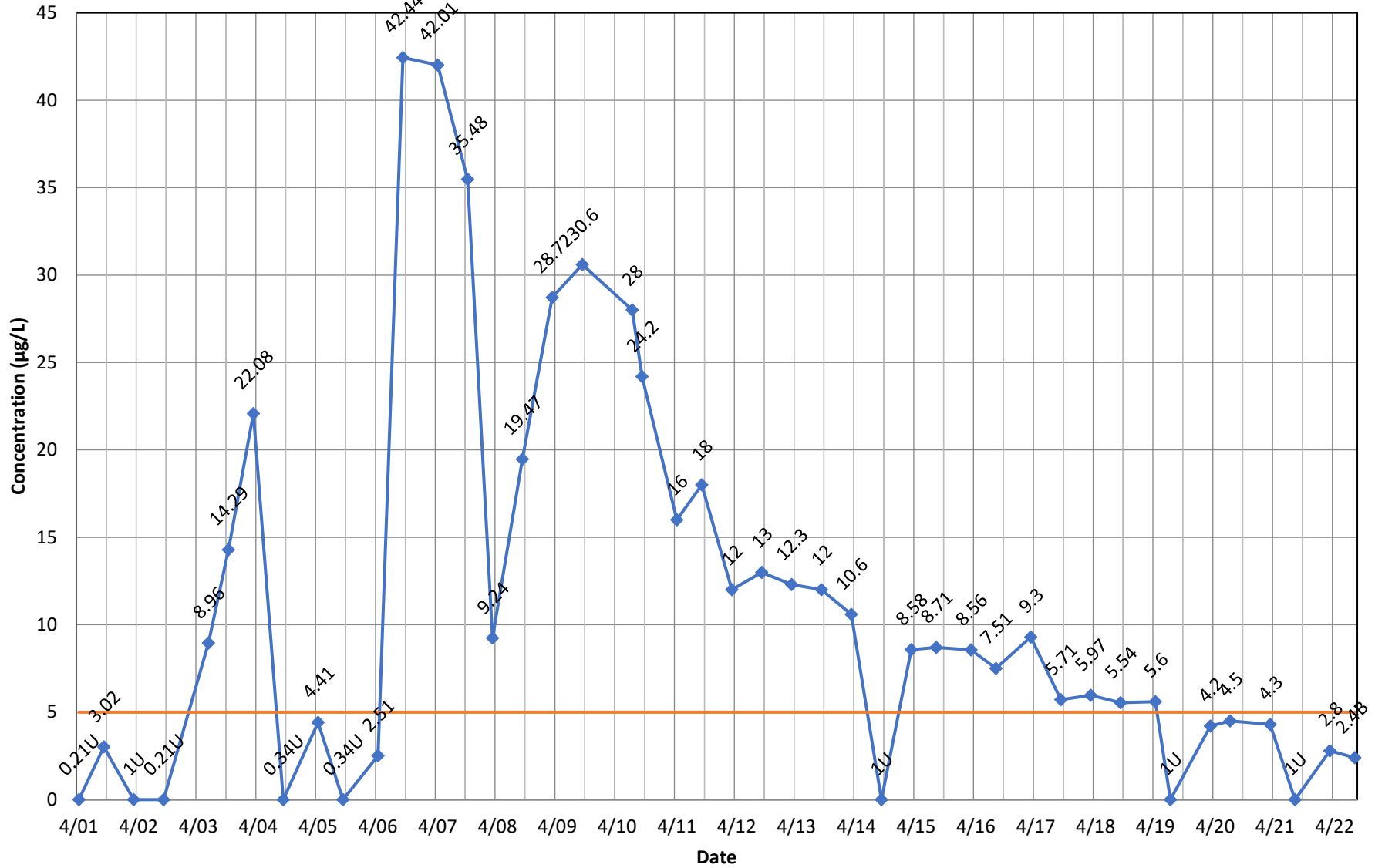


# Monitoring Well OB11 - Mercury, total



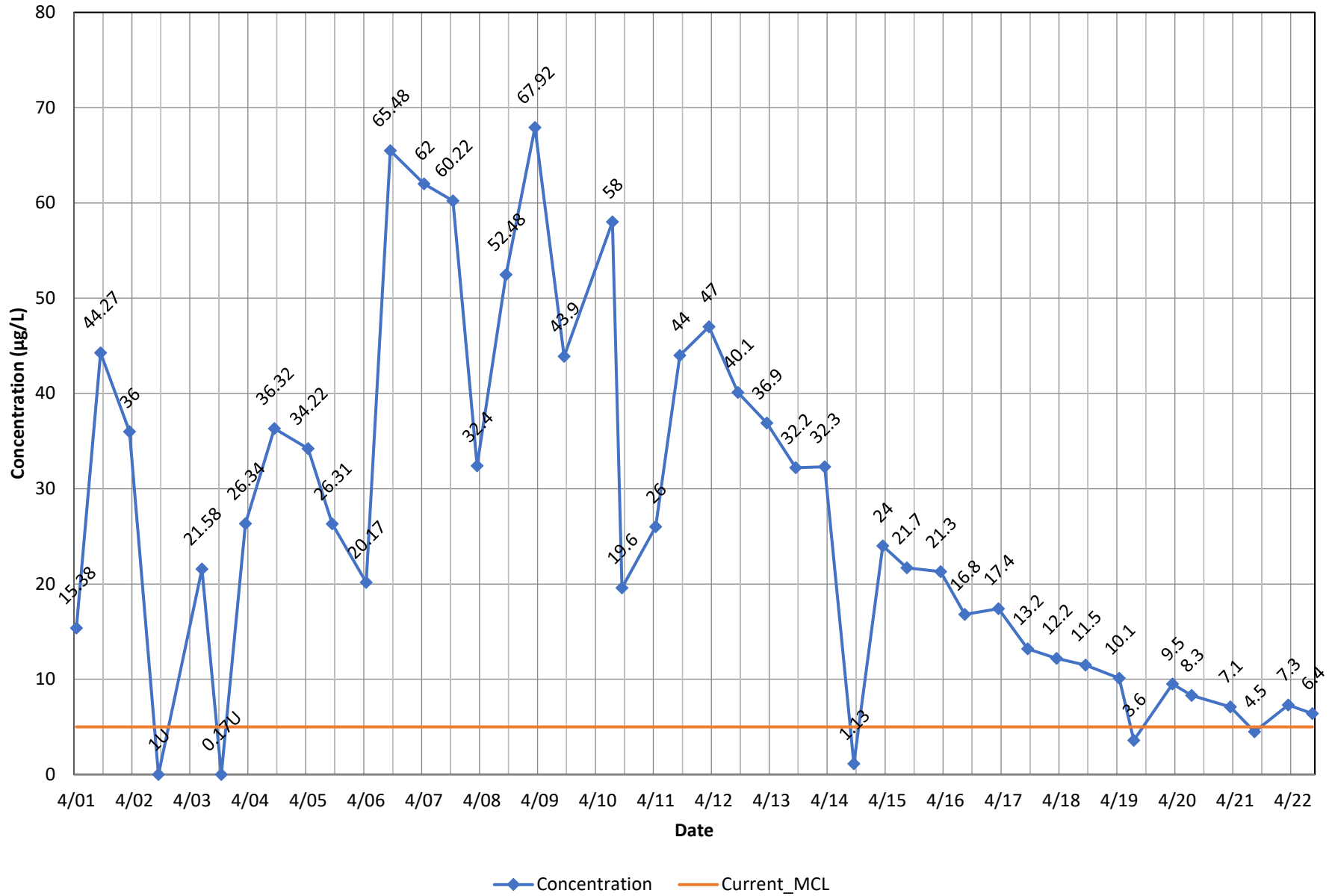
◆ Concentration    — Current\_MCL

# Monitoring Well OB11 - Methylene Chloride

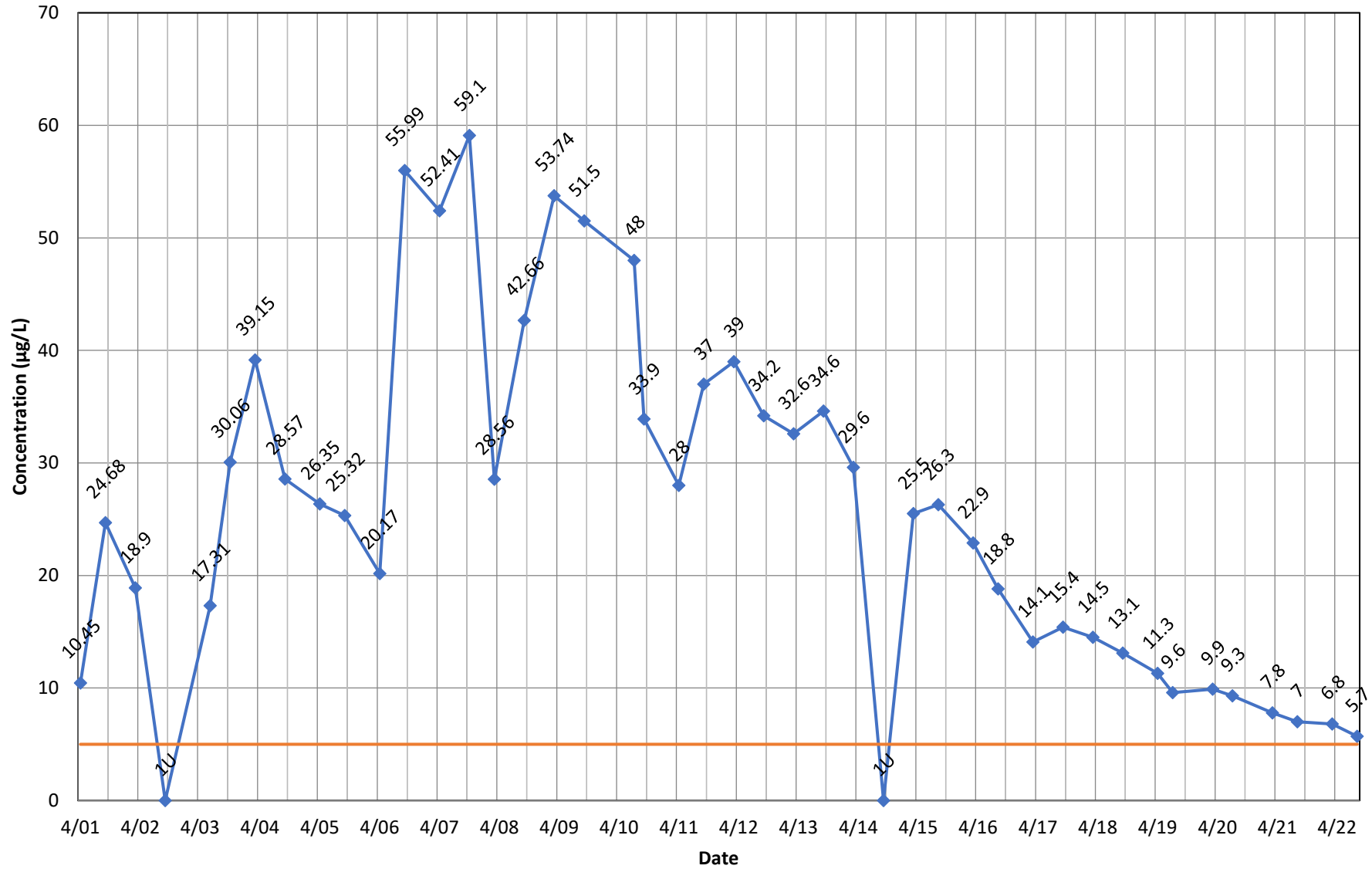


◆ Concentration    — Current\_MCL

# Monitoring Well OB11 - Tetrachloroethene

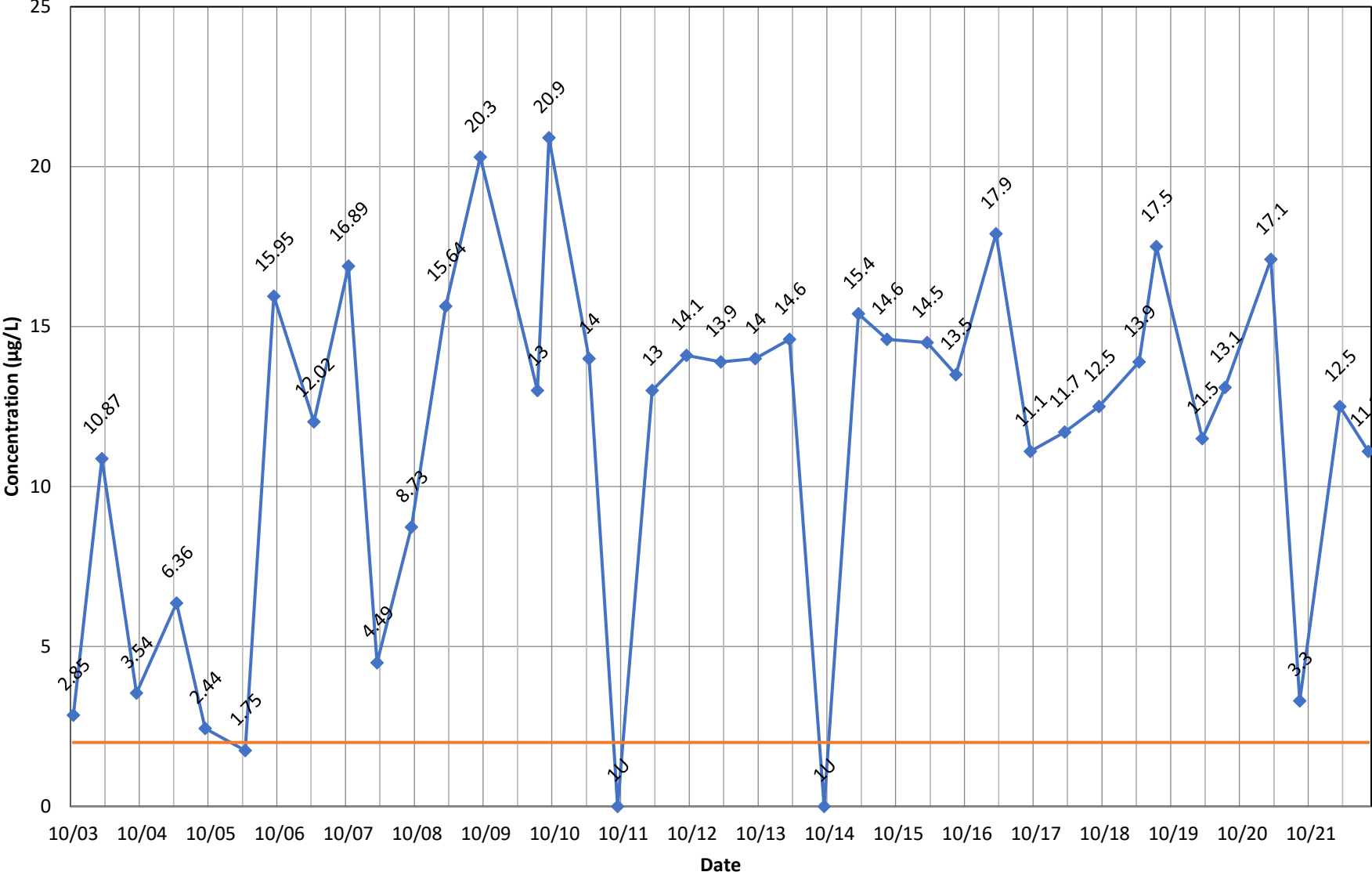


# Monitoring Well OB11 - Trichloroethene



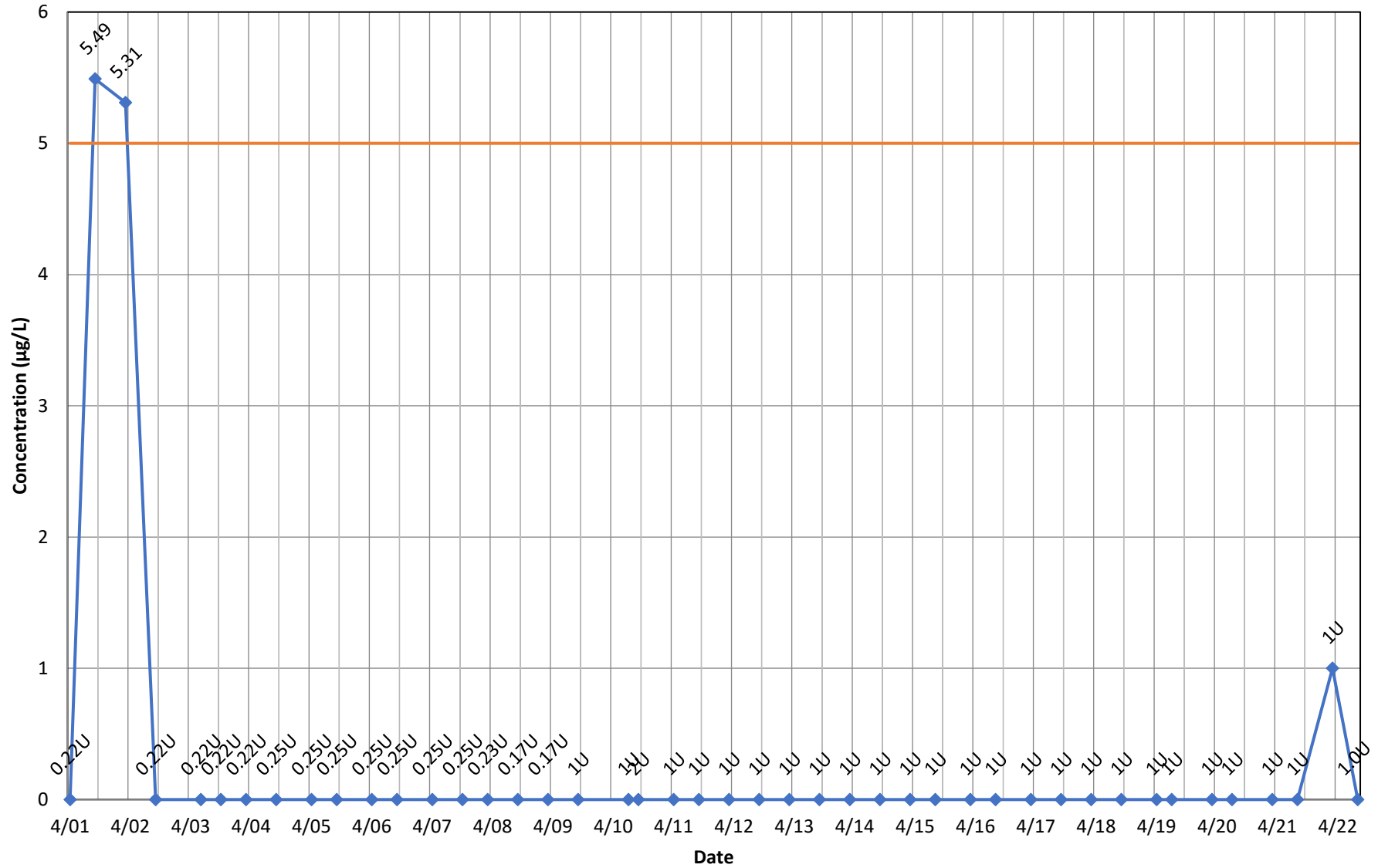
◆ Concentration    — Current\_MCL

# Monitoring Well OB11 - Vinyl Chloride



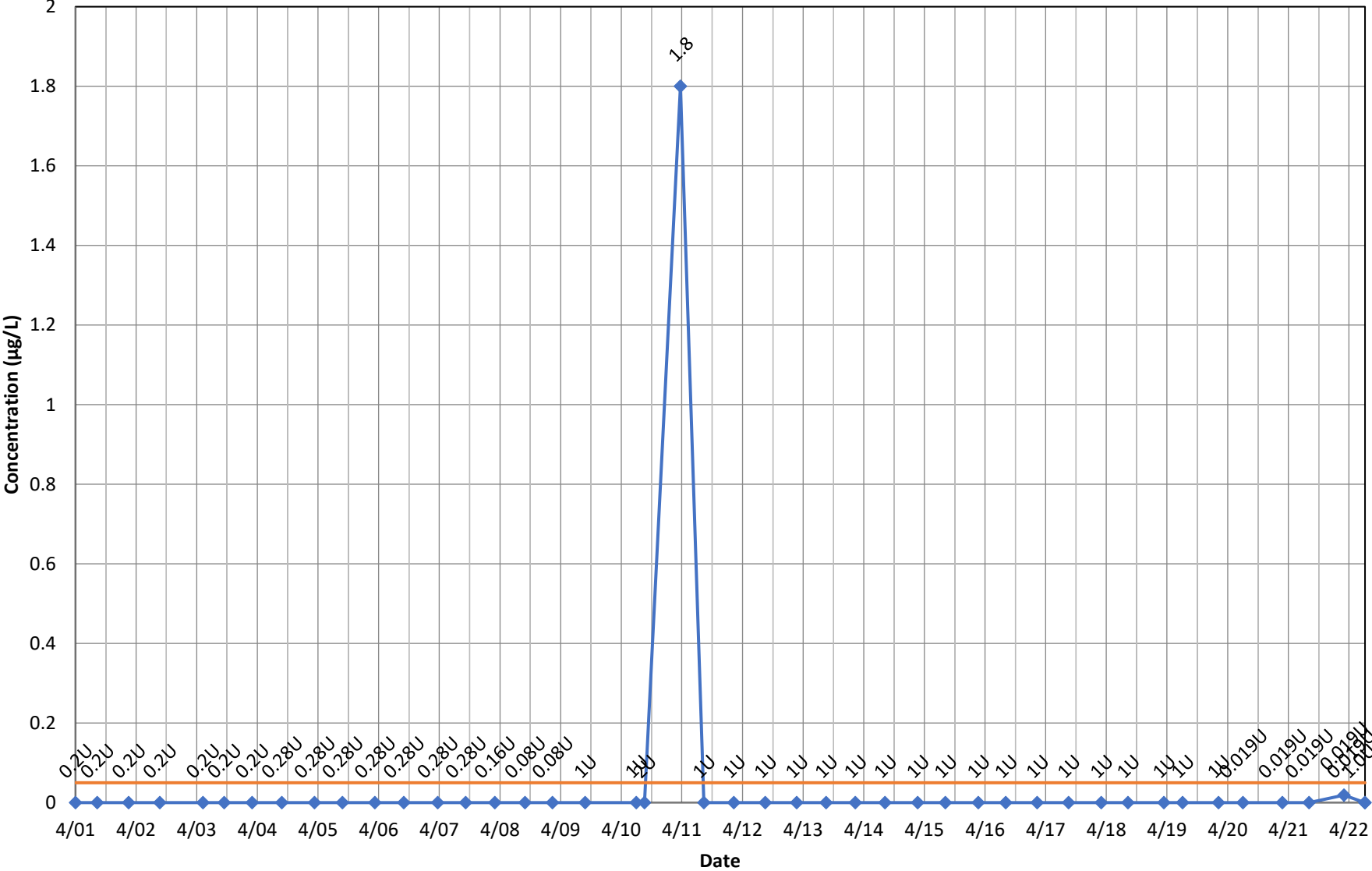
◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - 1,1,2-Trichloroethane



◆ Concentration    — Current\_MCL

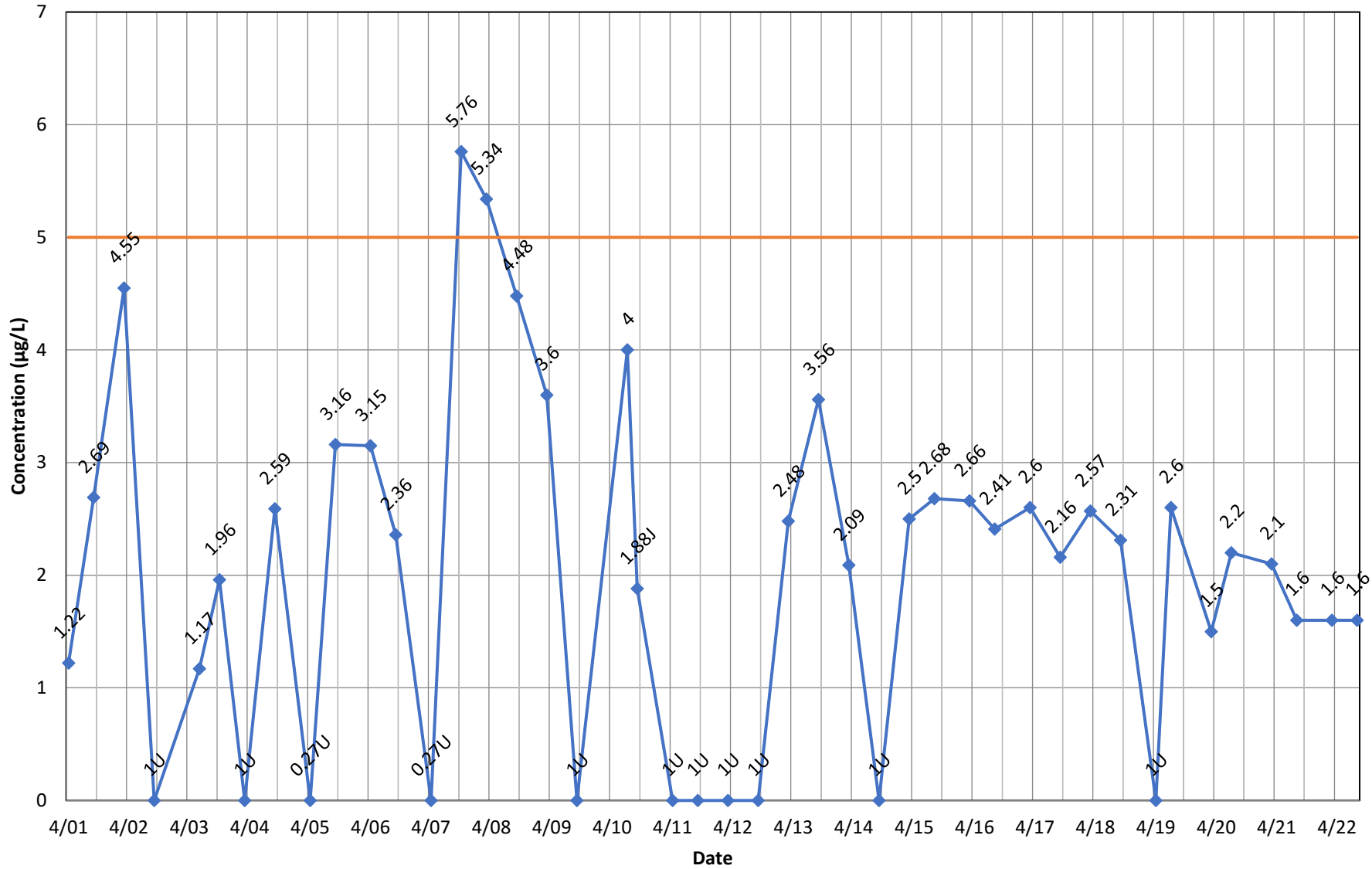
# Monitoring Well OB11A - 1,2-Dibromoethane



◆ Concentration    — Current\_MCL

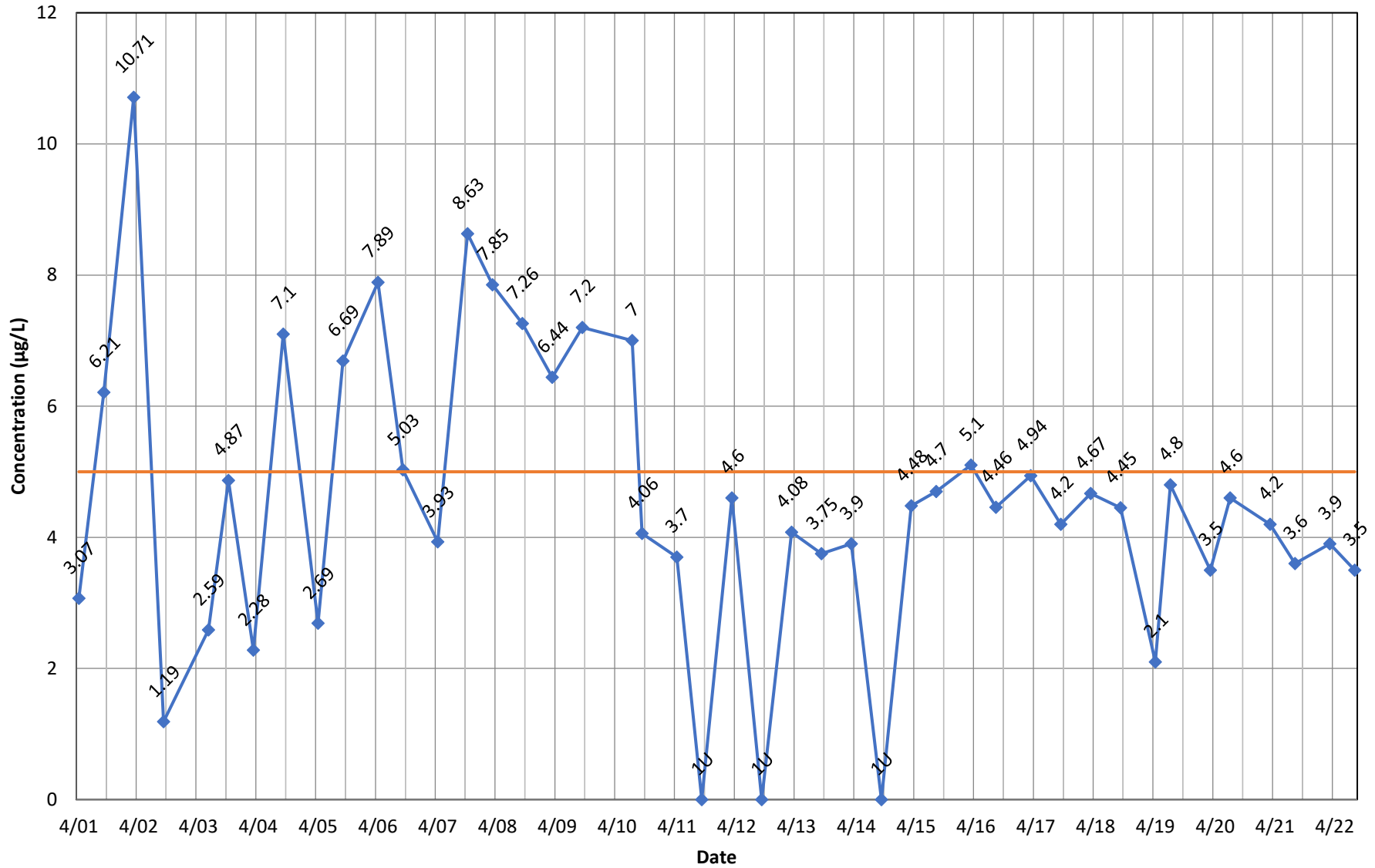


# Monitoring Well OB11A - 1,2-Dichloroethane



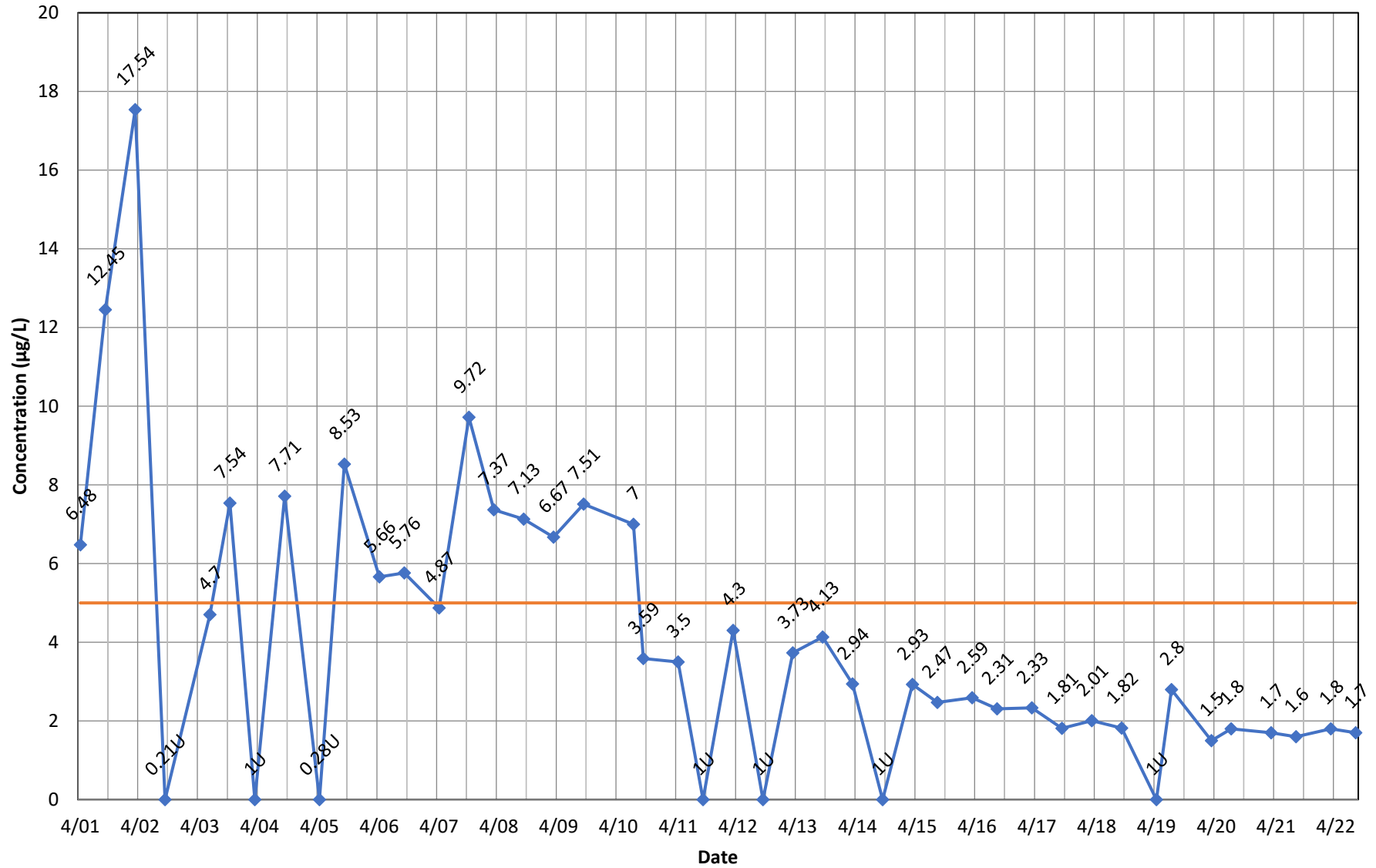
◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - 1,2-Dichloropropane



◆ Concentration    — Current\_MCL

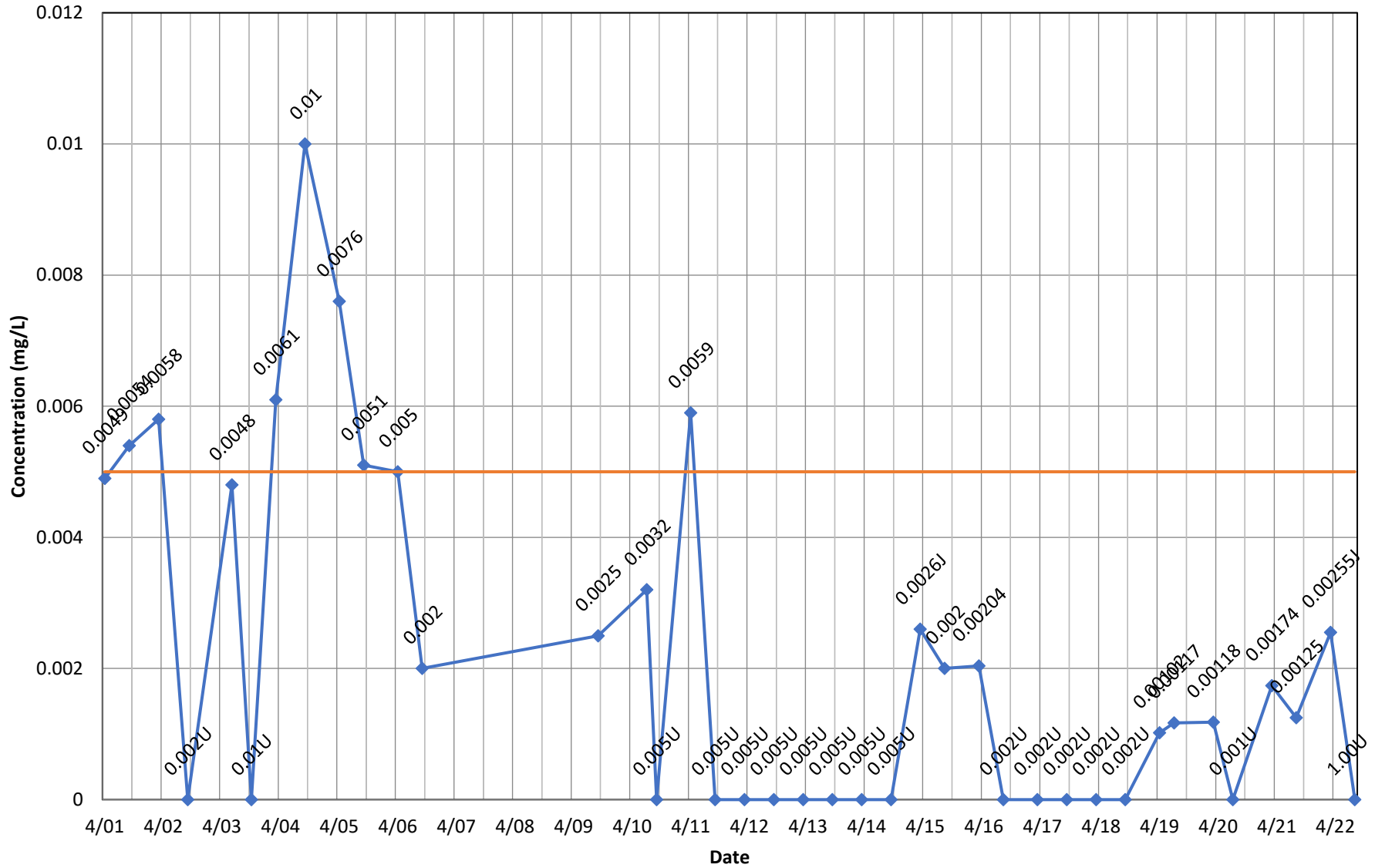
# Monitoring Well OB11A - Benzene



◆ Concentration    — Current\_MCL

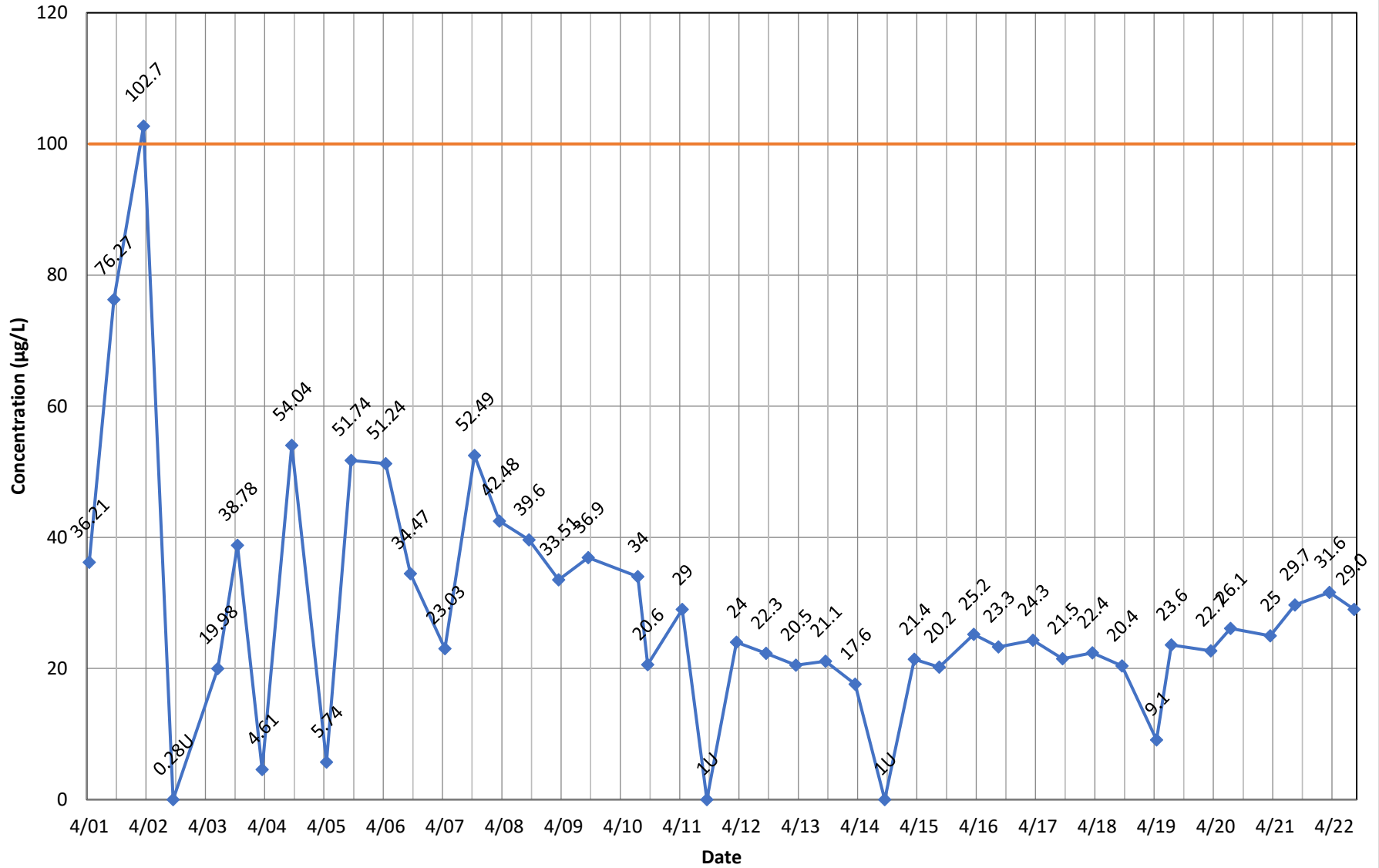


# Monitoring Well OB11A - Cadmium, total



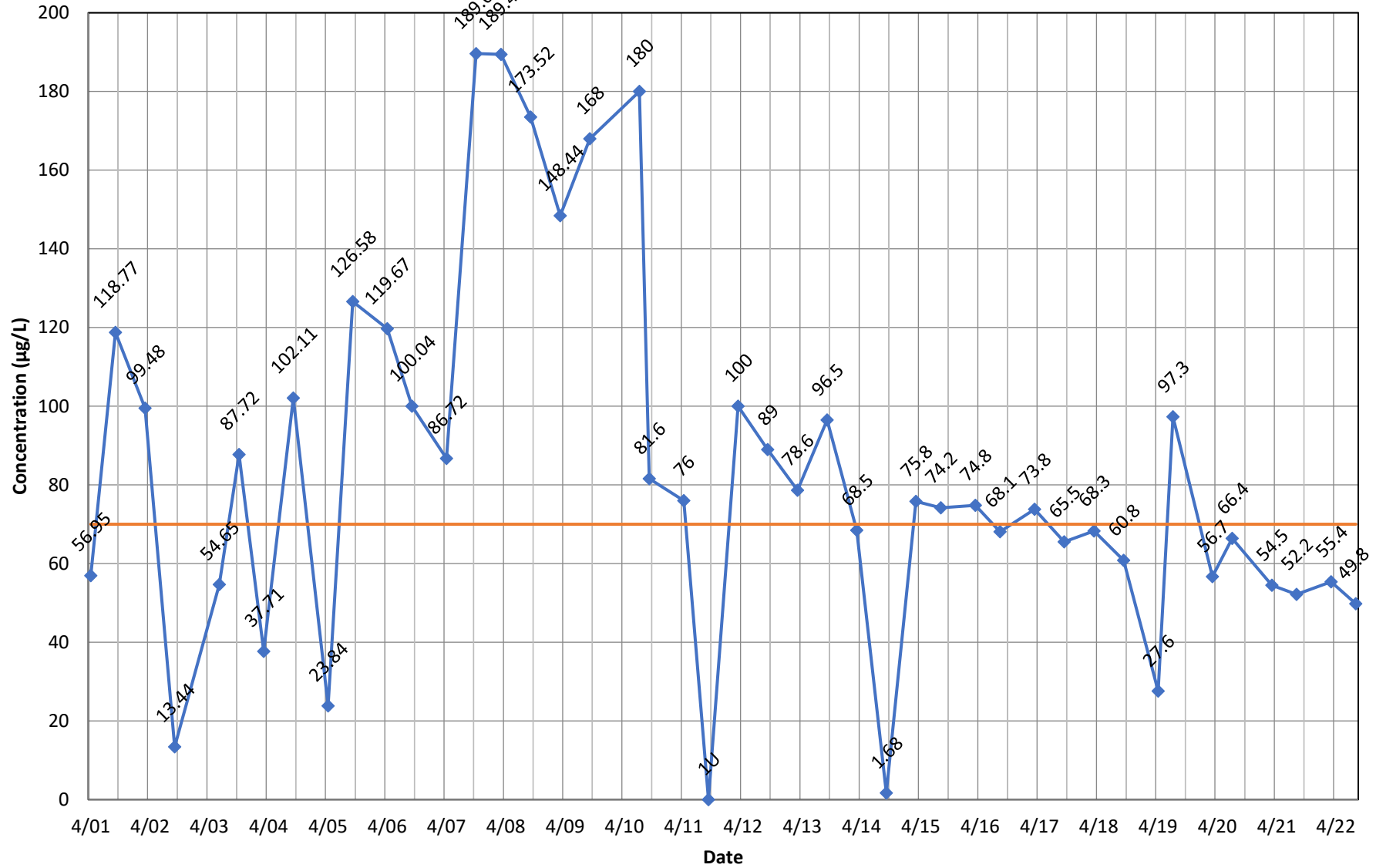
◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - Chlorobenzene



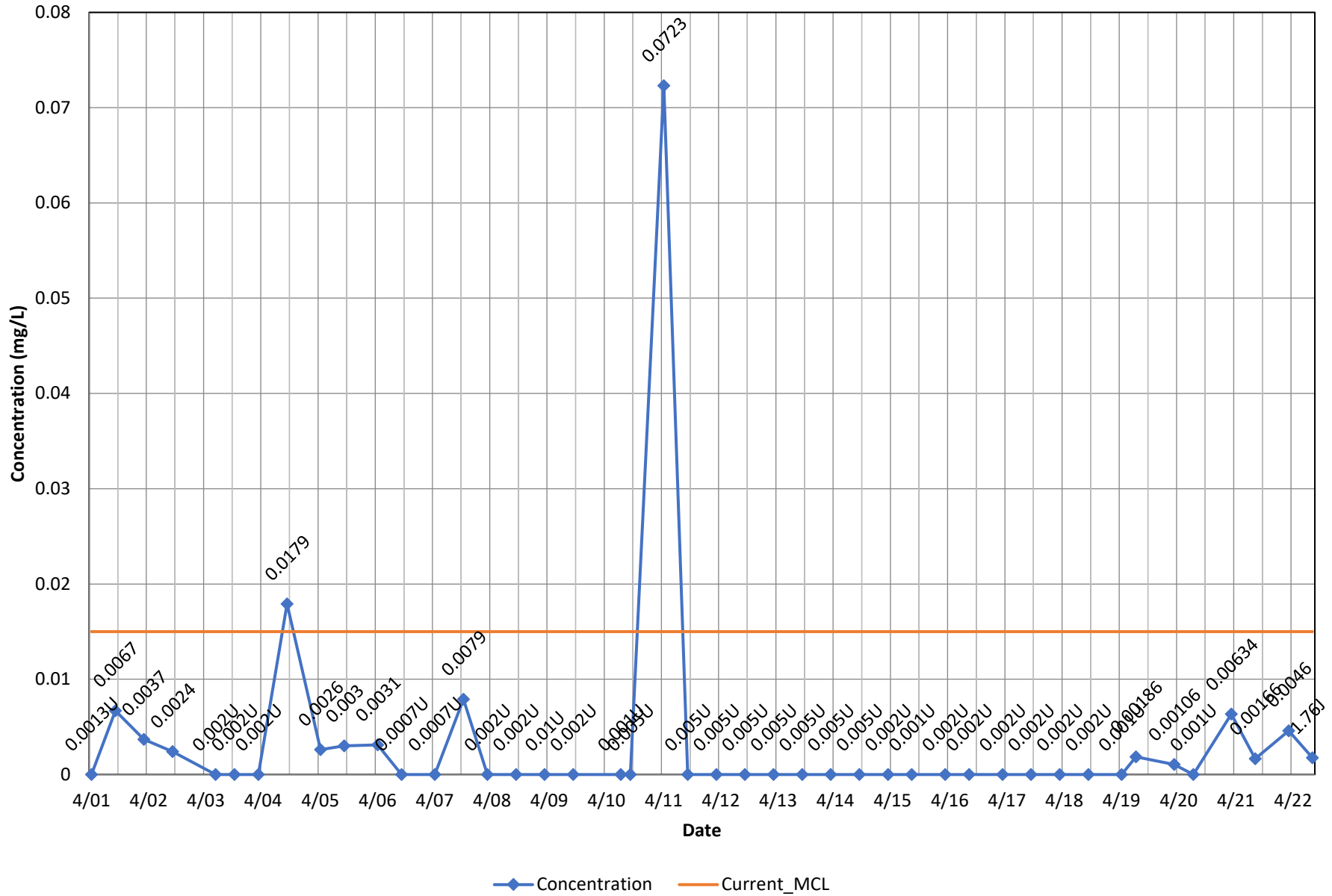
◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - cis-1,2-Dichloroethene



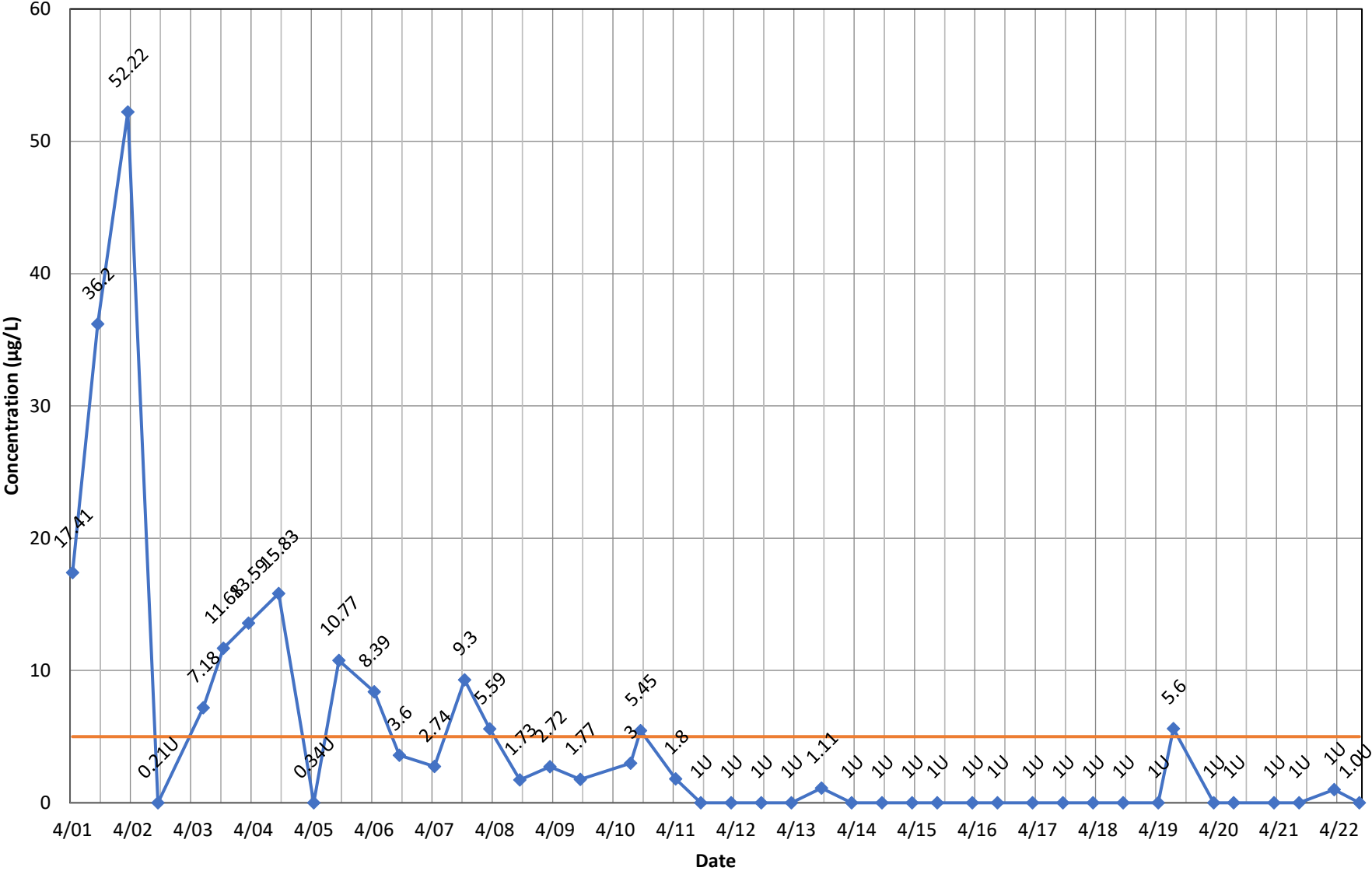
◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - Lead, total



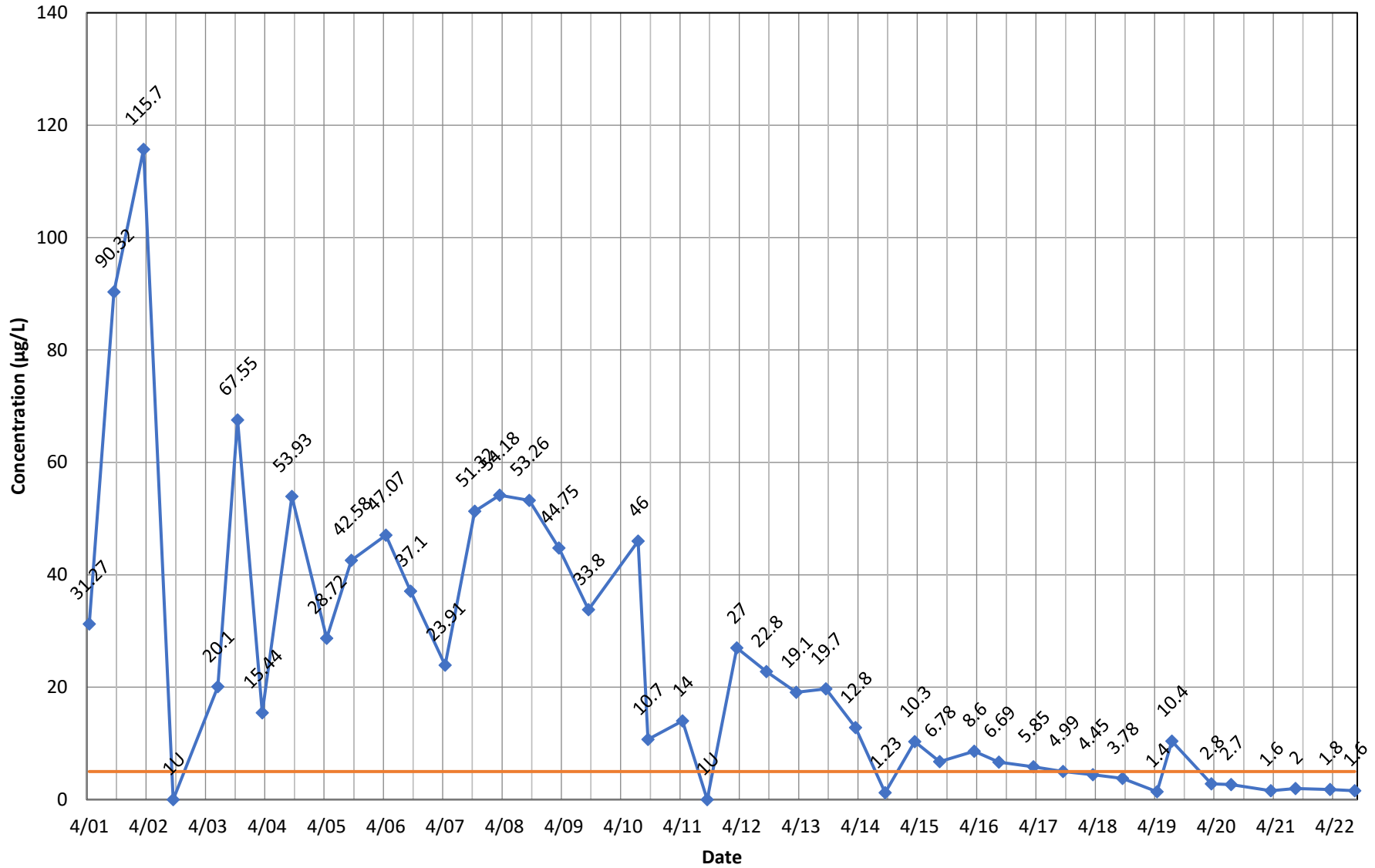


### Monitoring Well OB11A - Methylene Chloride



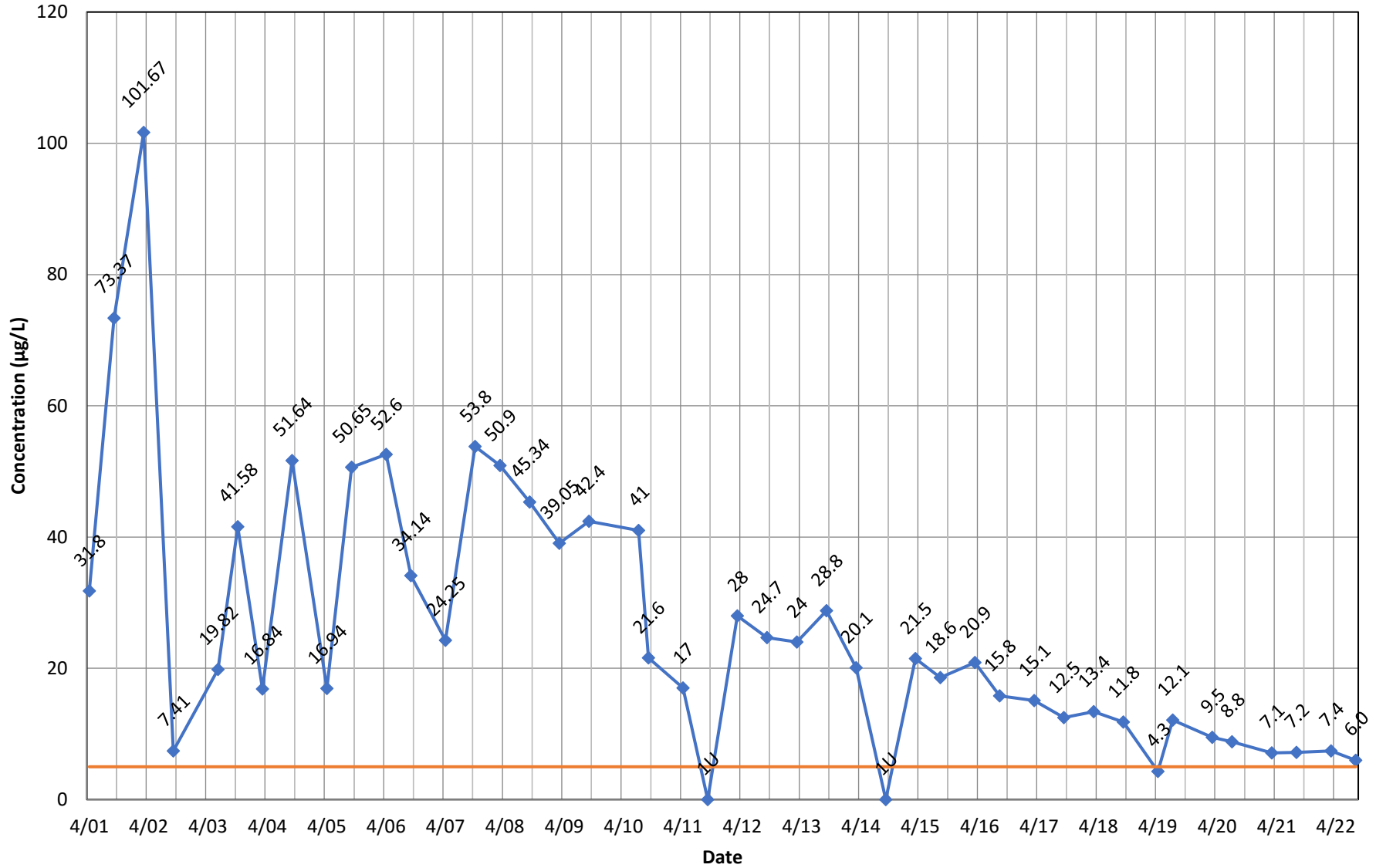
◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - Tetrachloroethene



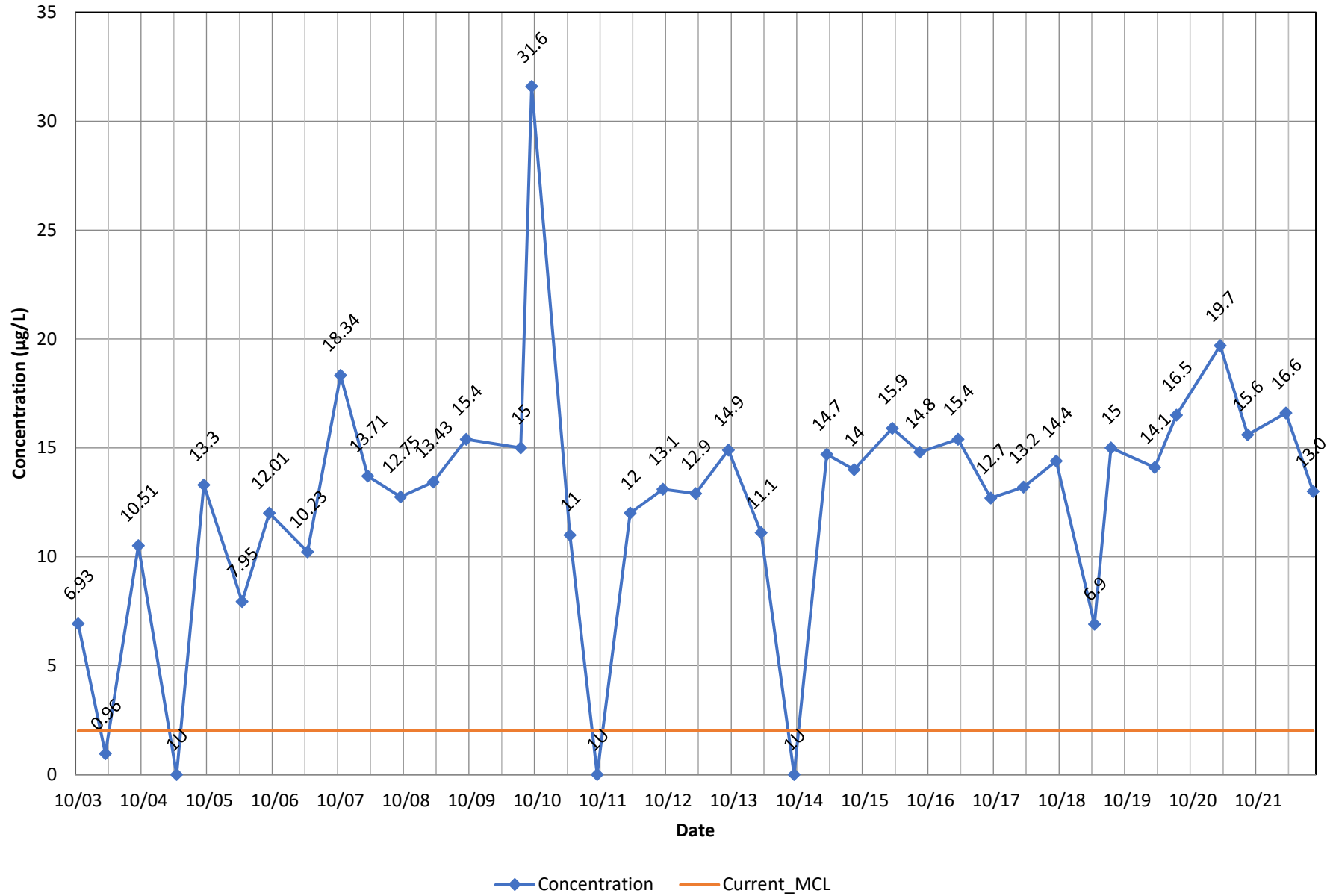
◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - Trichloroethene

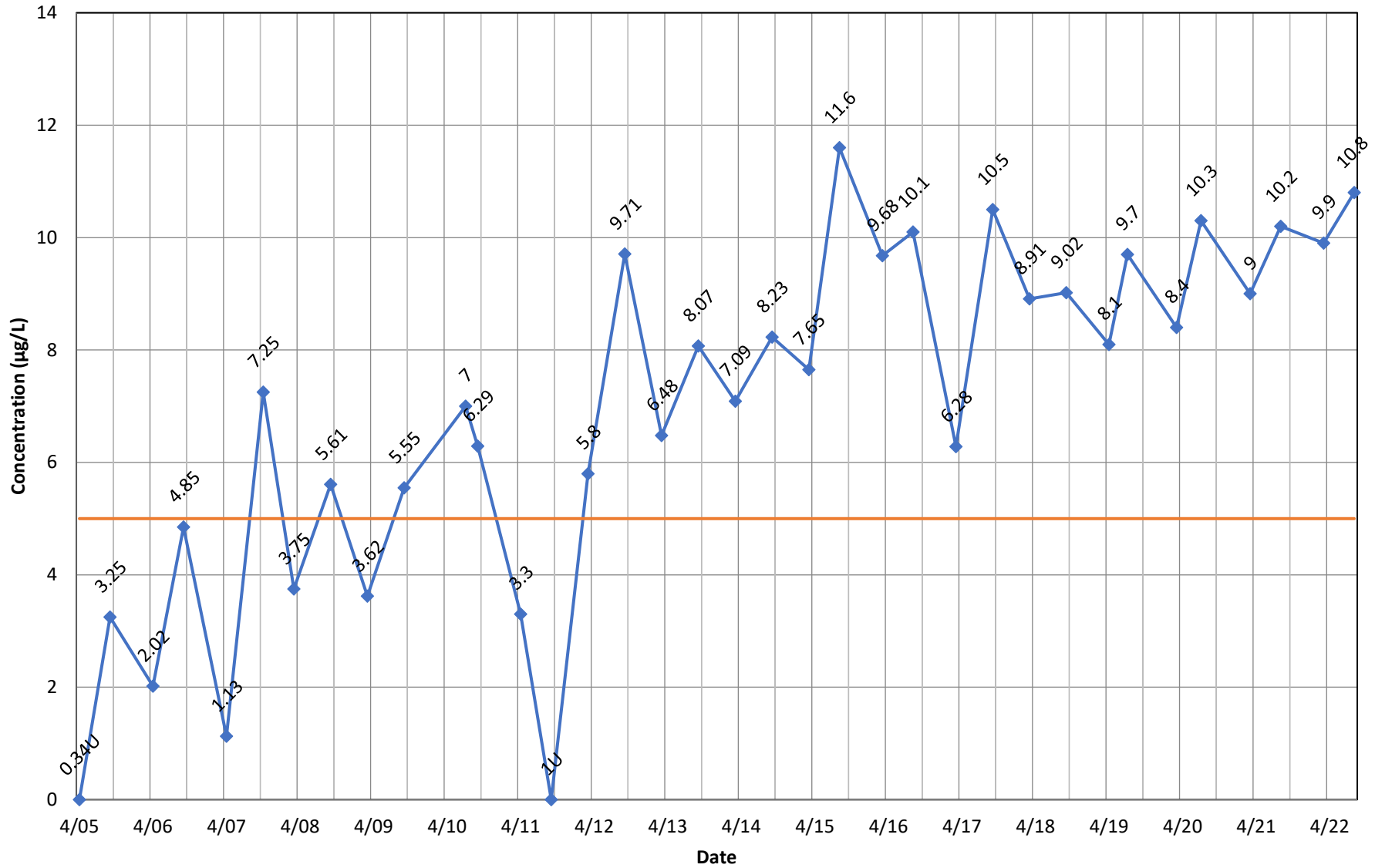


◆ Concentration    — Current\_MCL

# Monitoring Well OB11A - Vinyl Chloride

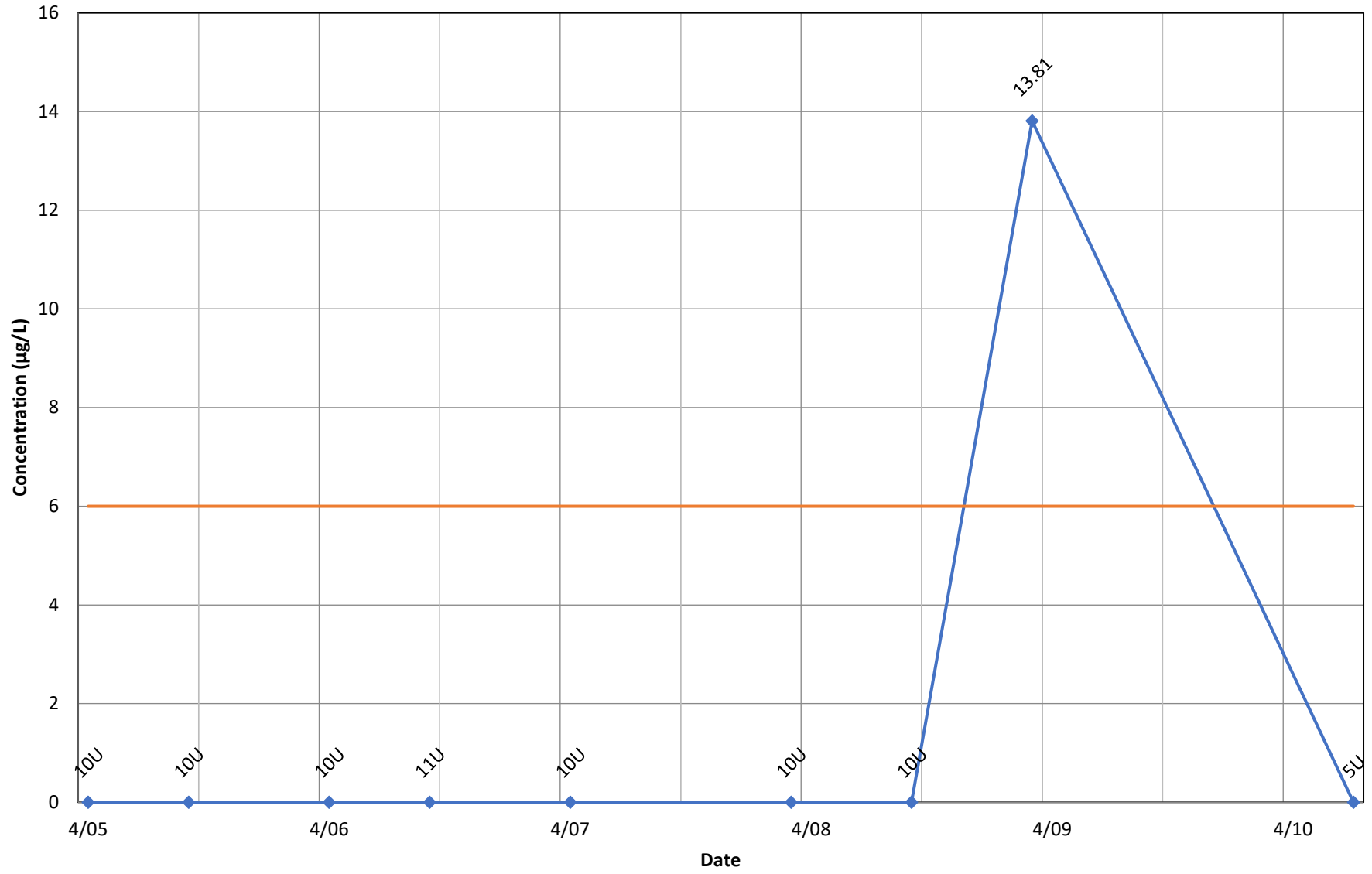


# Monitoring Well OB12 - 1,2-Dichloropropane



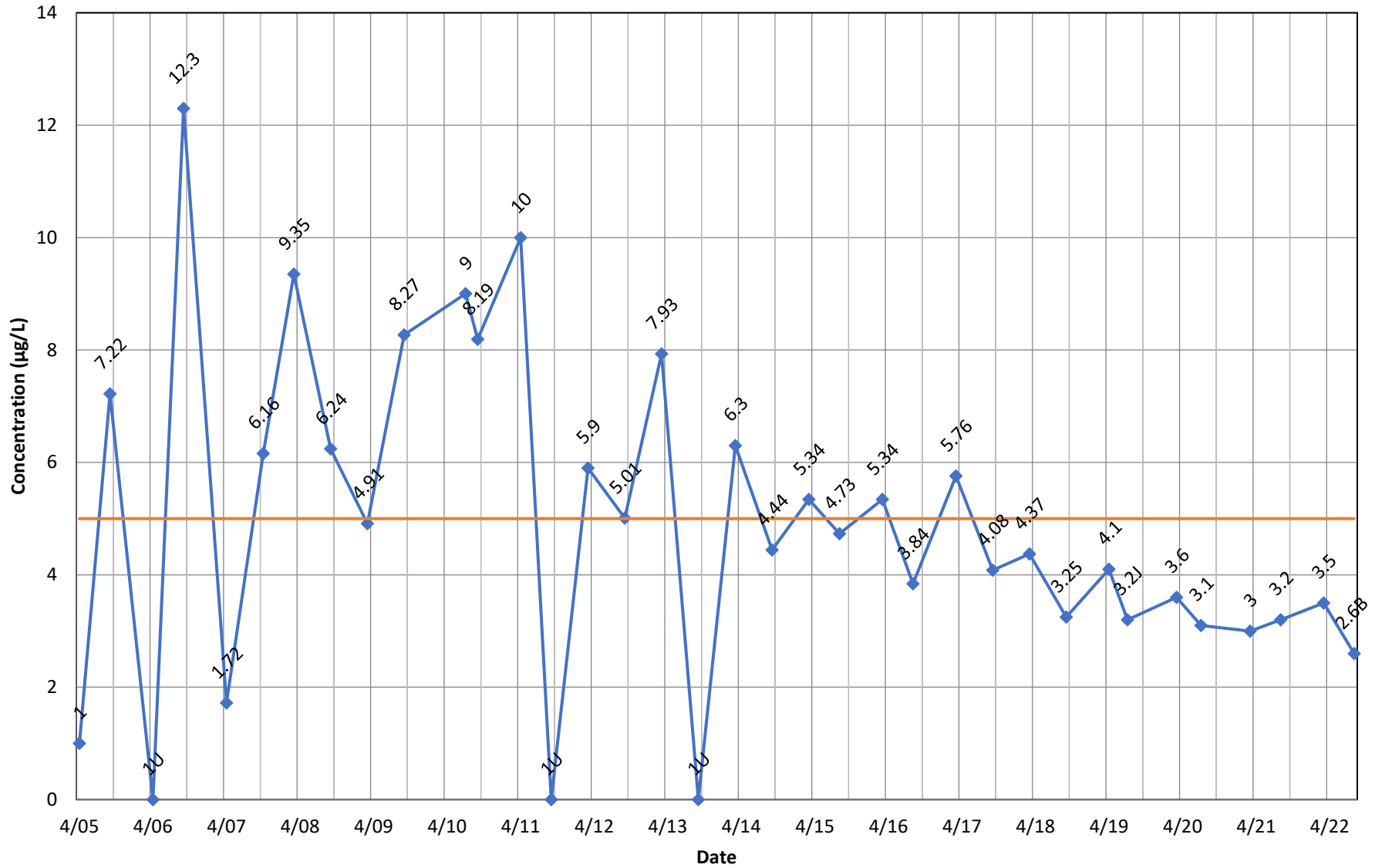
◆ Concentration    — Current\_MCL

### Monitoring Well OB12 - Bis(2-Ethylhexyl) Phthalate



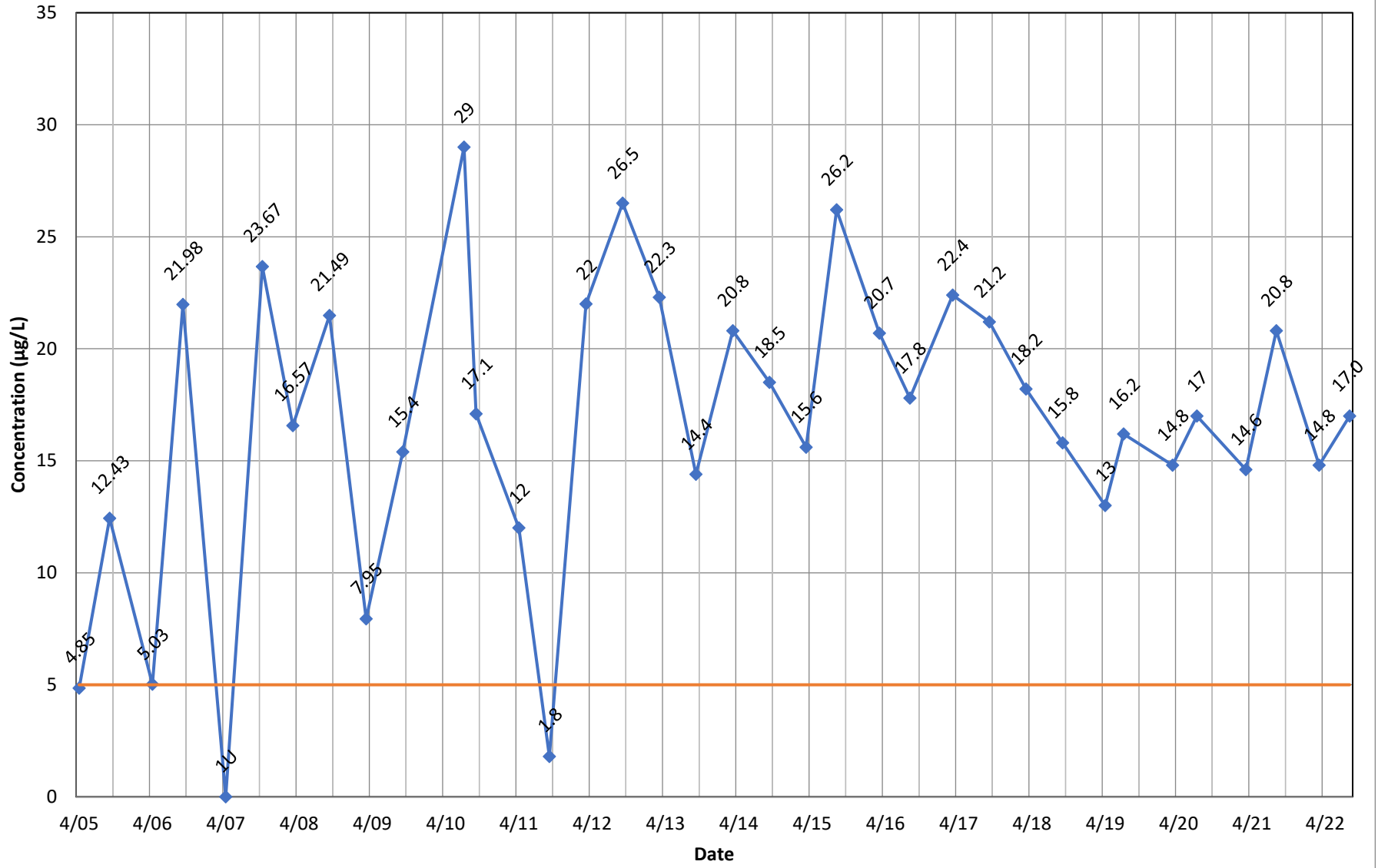
◆ Concentration    — Current\_MCL

# Monitoring Well OB12 - Methylene Chloride



◆ Concentration    — Current\_MCL

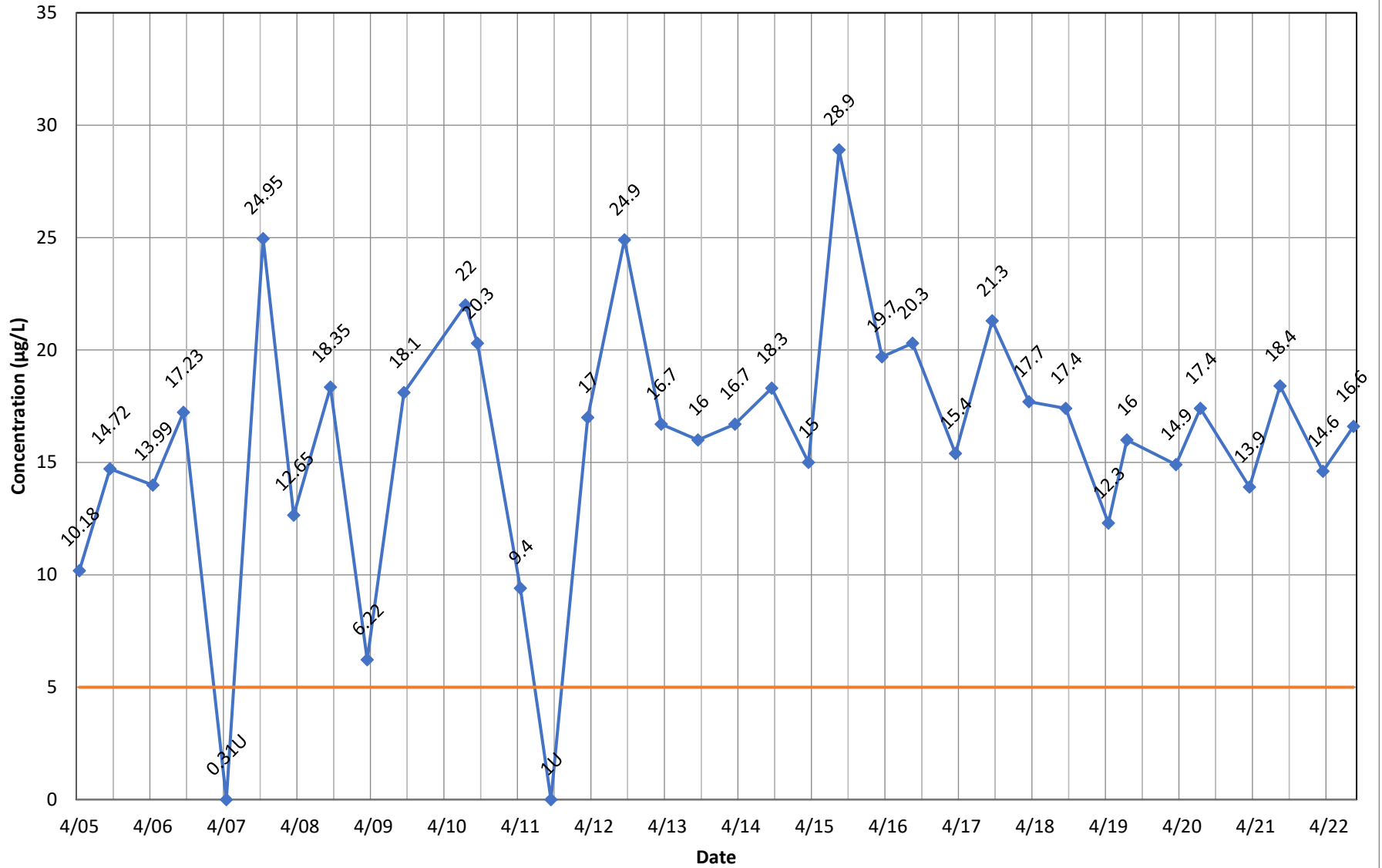
# Monitoring Well OB12 - Tetrachloroethene



◆ Concentration    — Current\_MCL

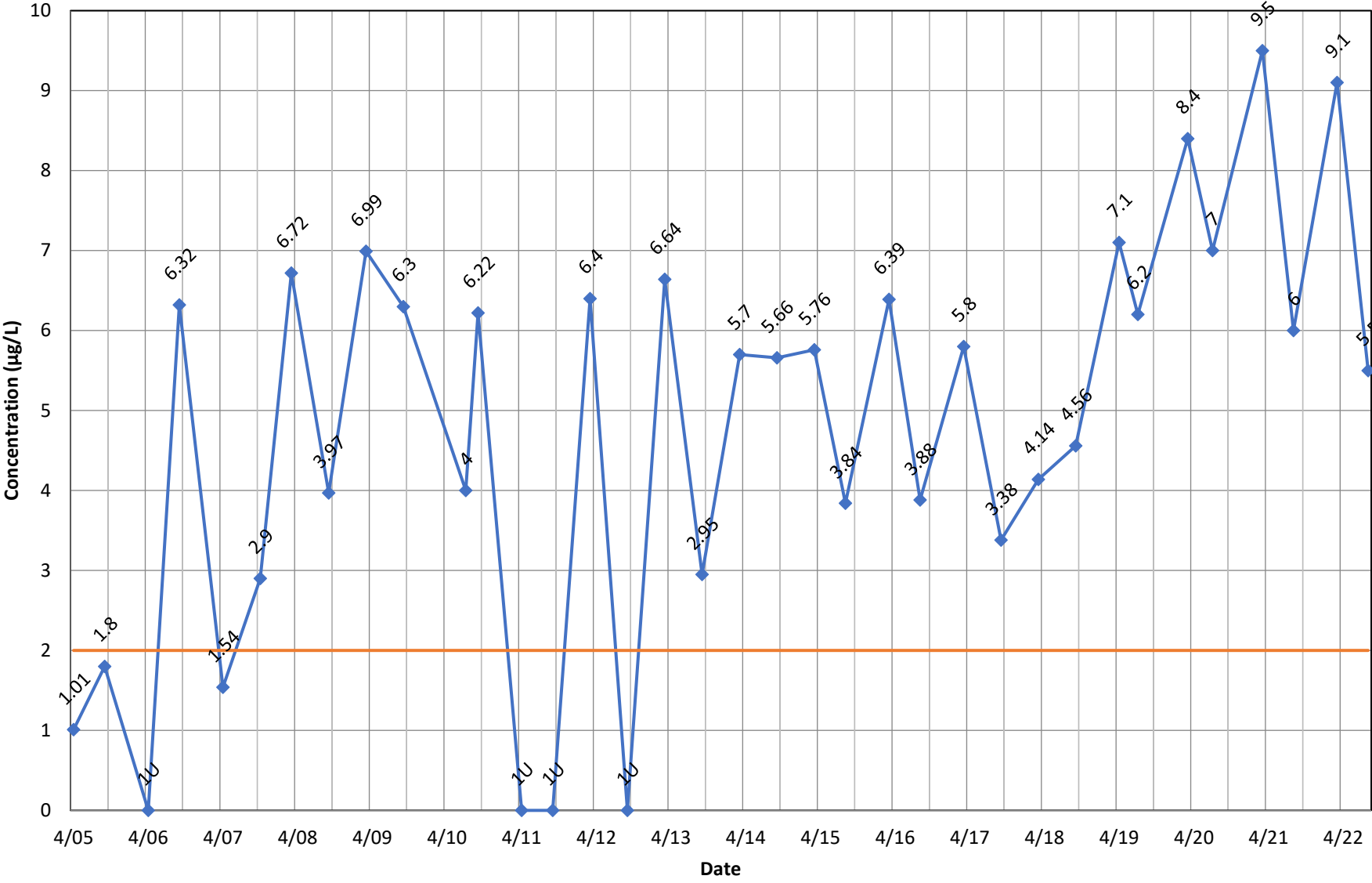


# Monitoring Well OB12 - Trichloroethene



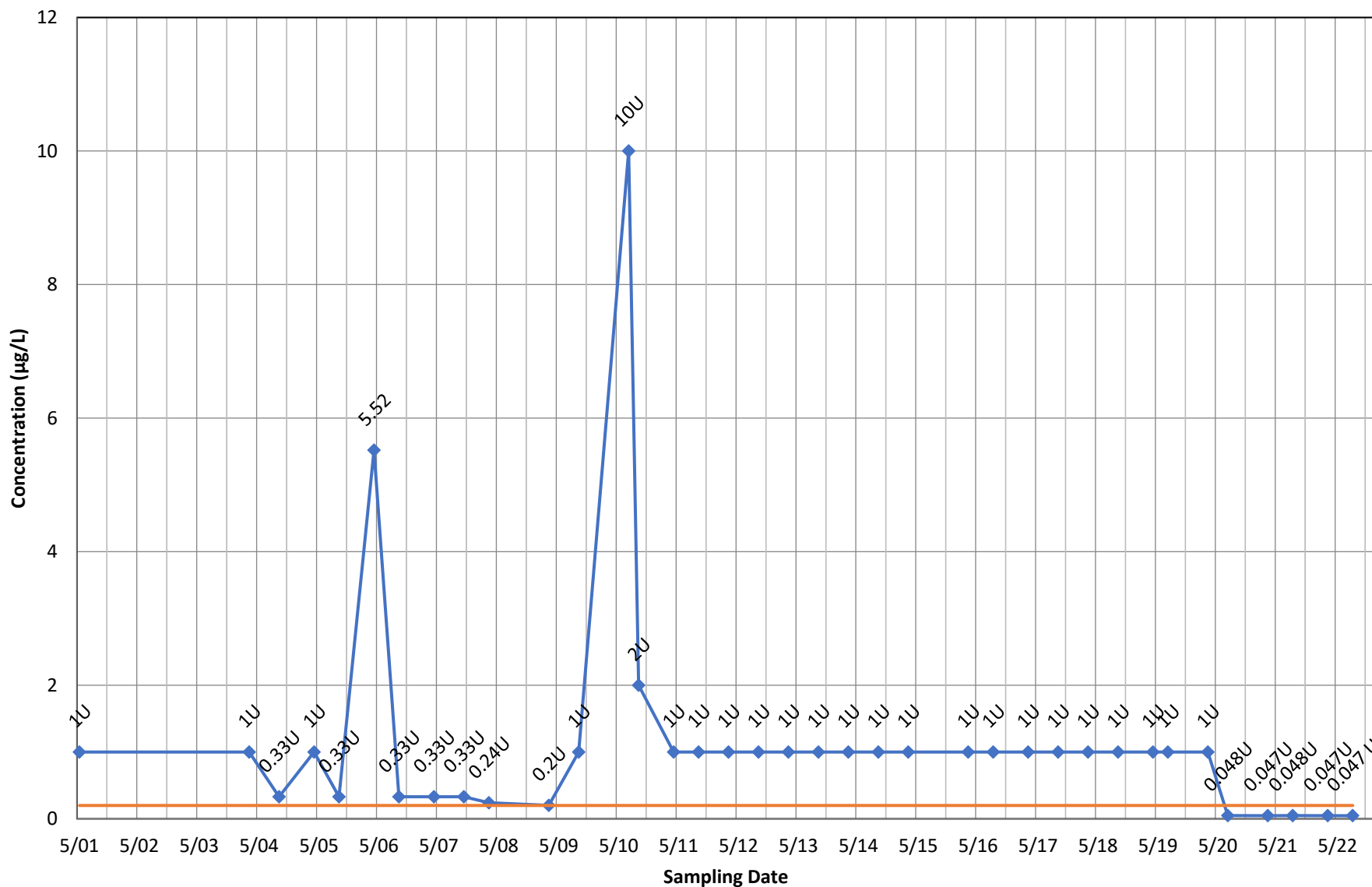
◆ Concentration    — Current\_MCL

# Monitoring Well OB12 - Vinyl Chloride



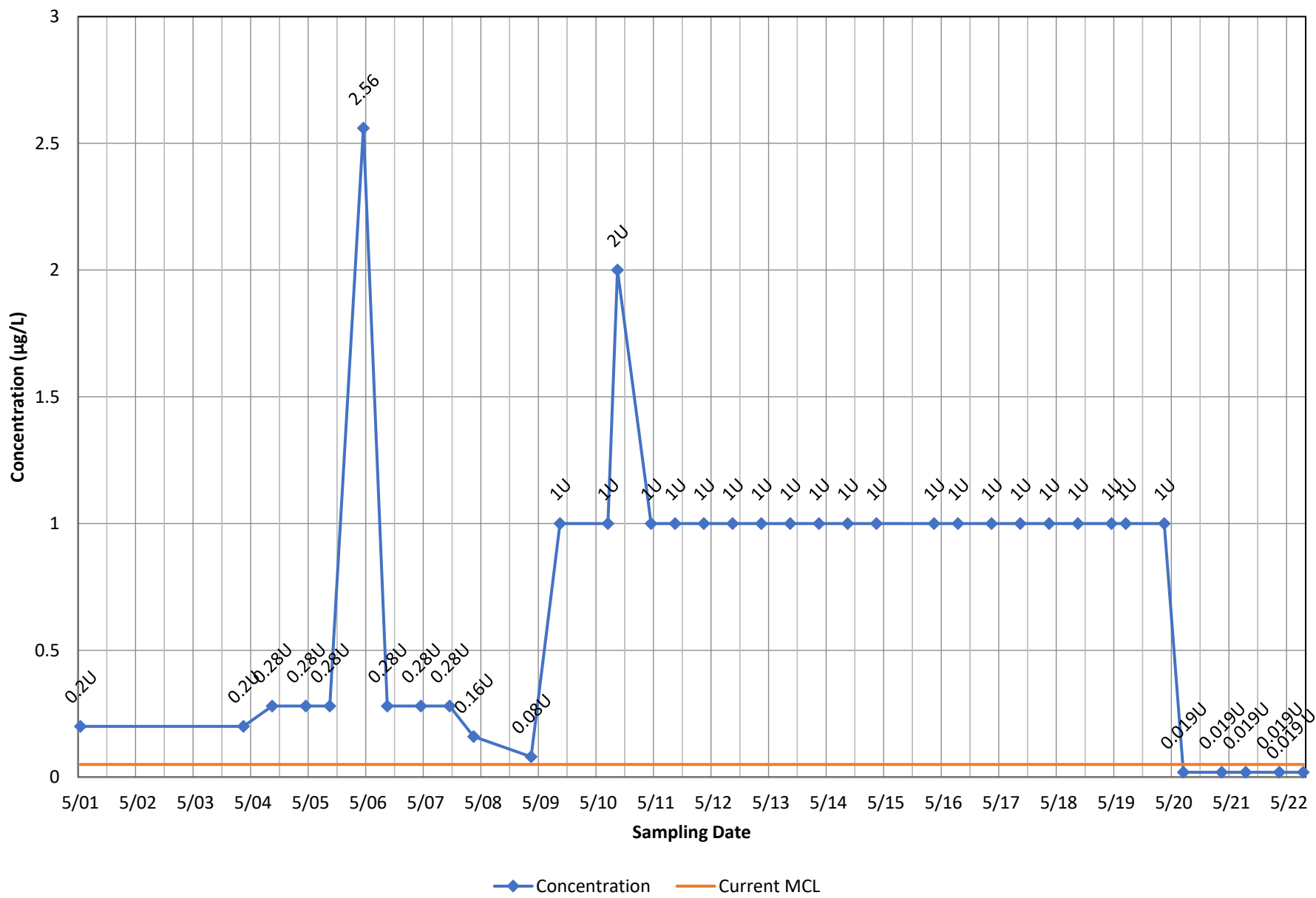
◆ Concentration    — Current\_MCL

# Monitoring Well ST015 - 1,2-Dibromo-3-chloropropane

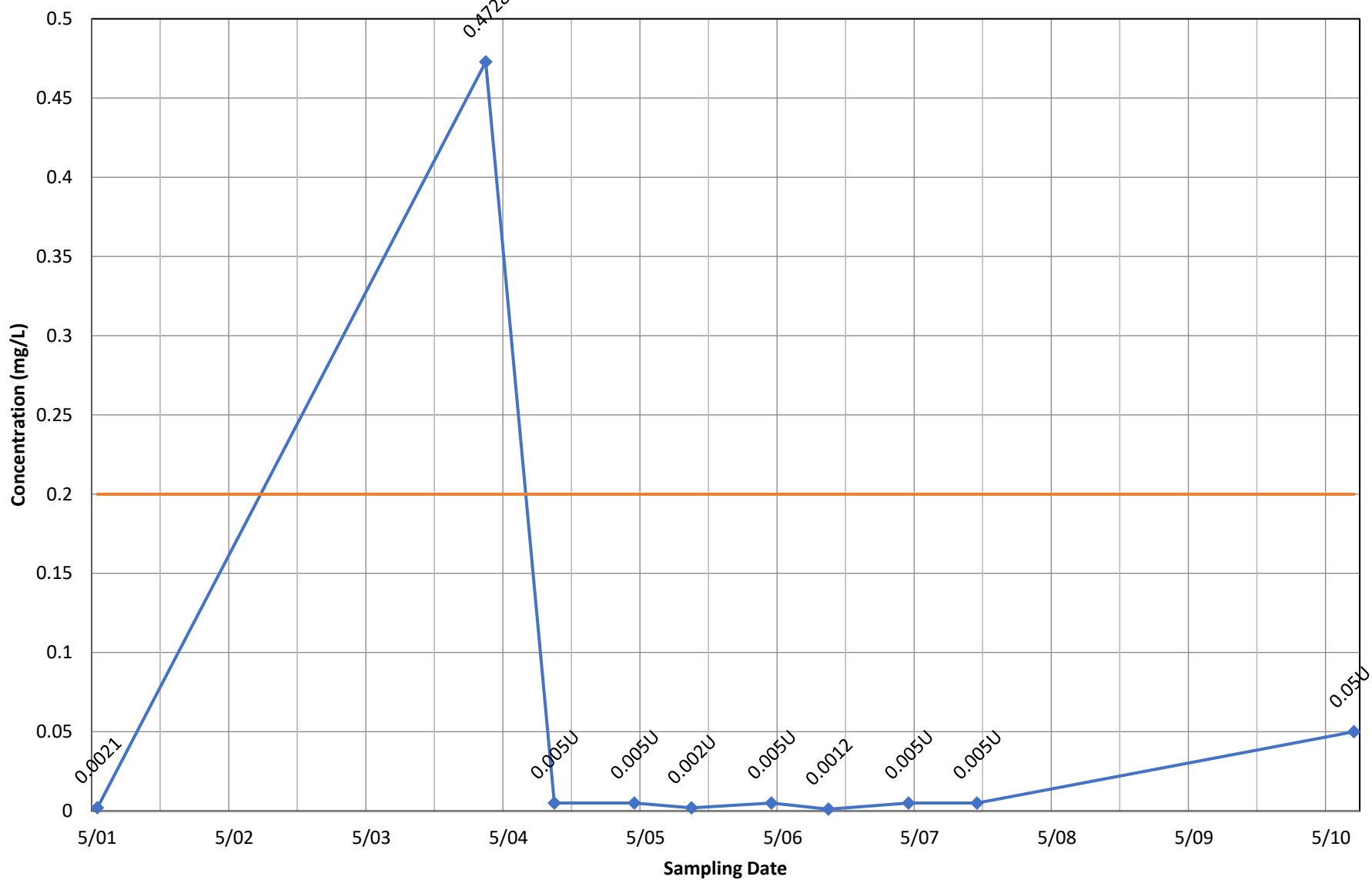


◆ Concentration    — Current MCL

### Monitoring Well ST015 - 1,2-Dibromoethane

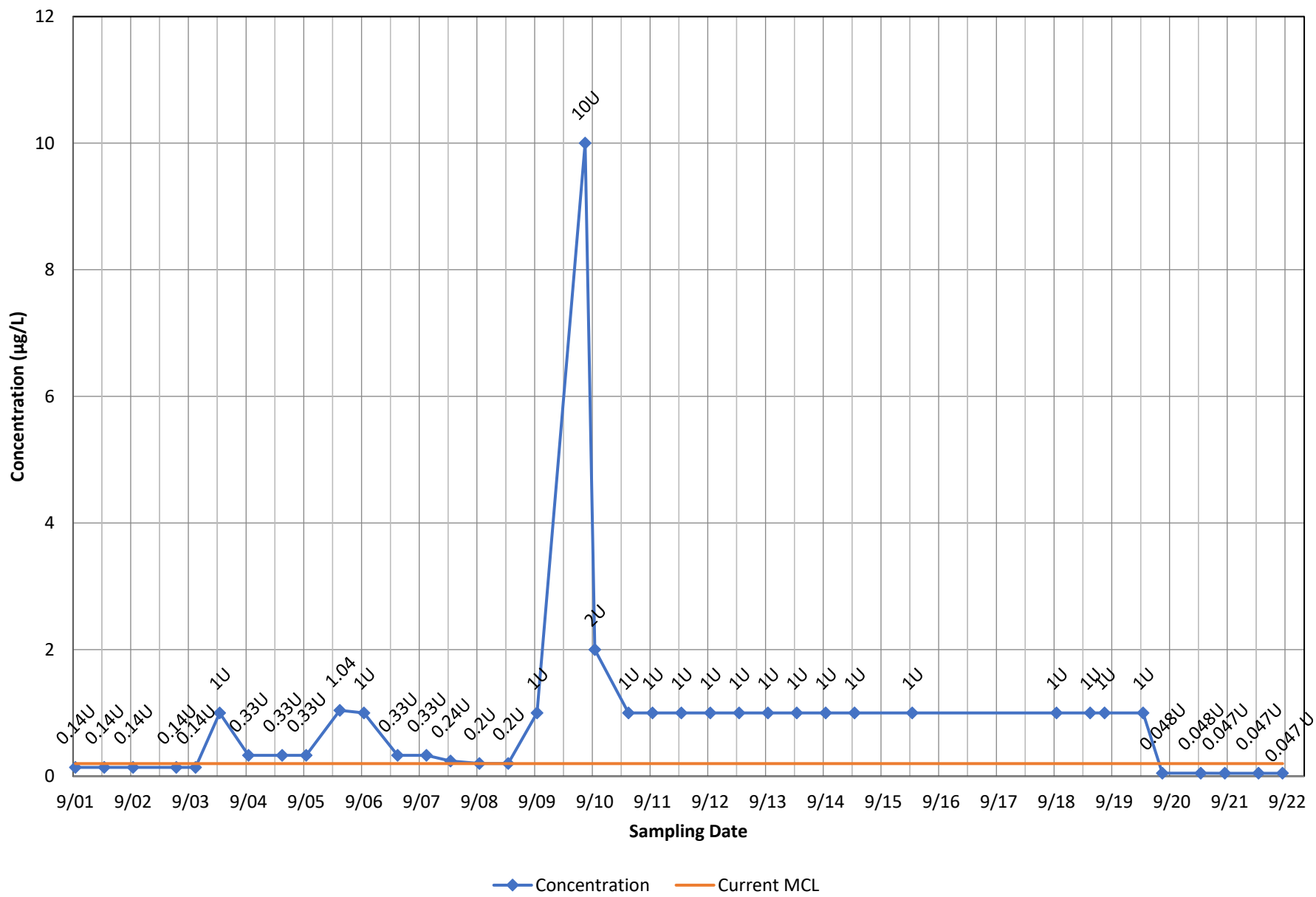


### Monitoring Well ST015 - Cyanide, Total

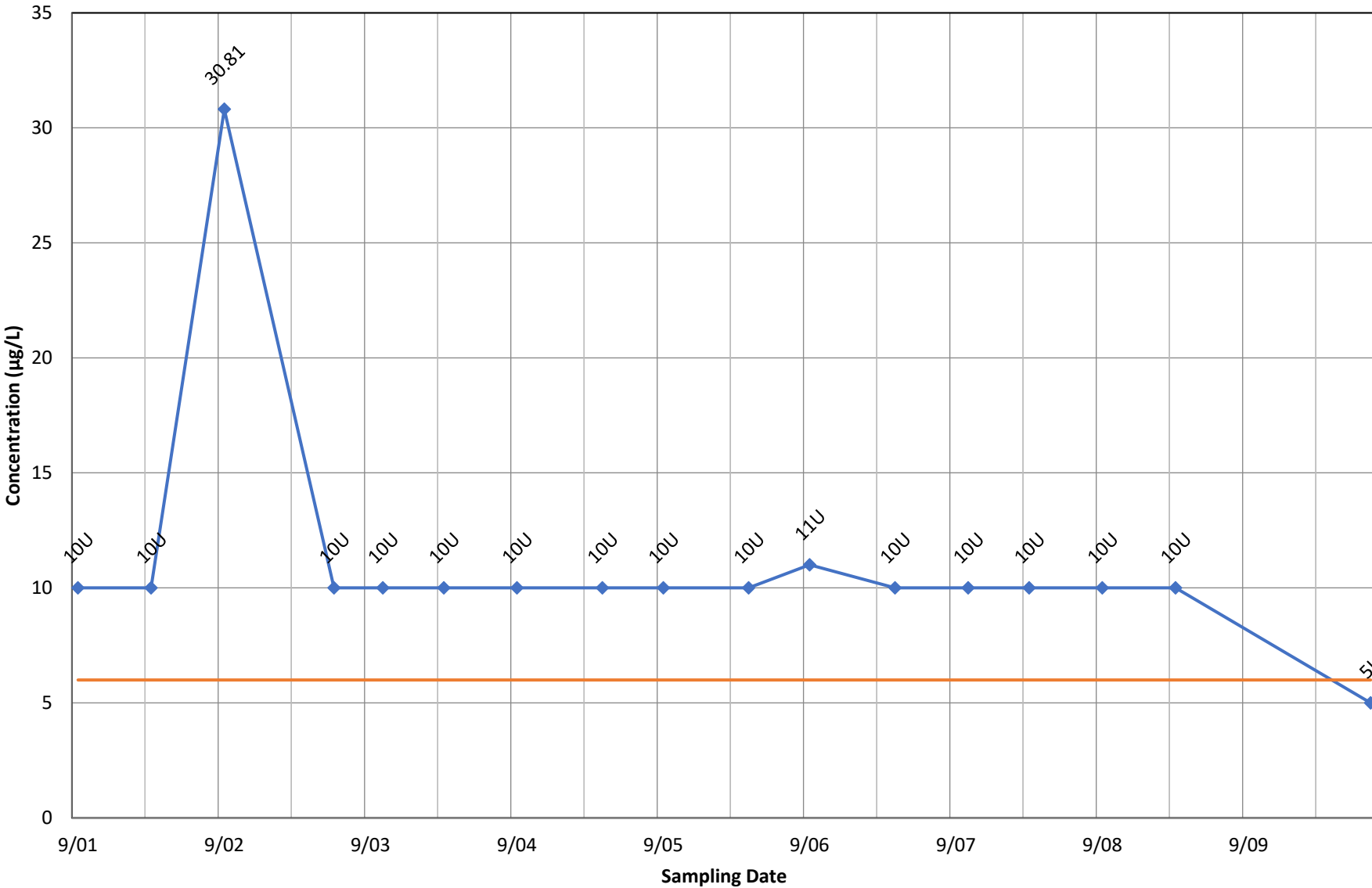


◆ Concentration    — Current MCL

# Monitoring Well ST065 - 1,2-Dibromo-3-chloropropane

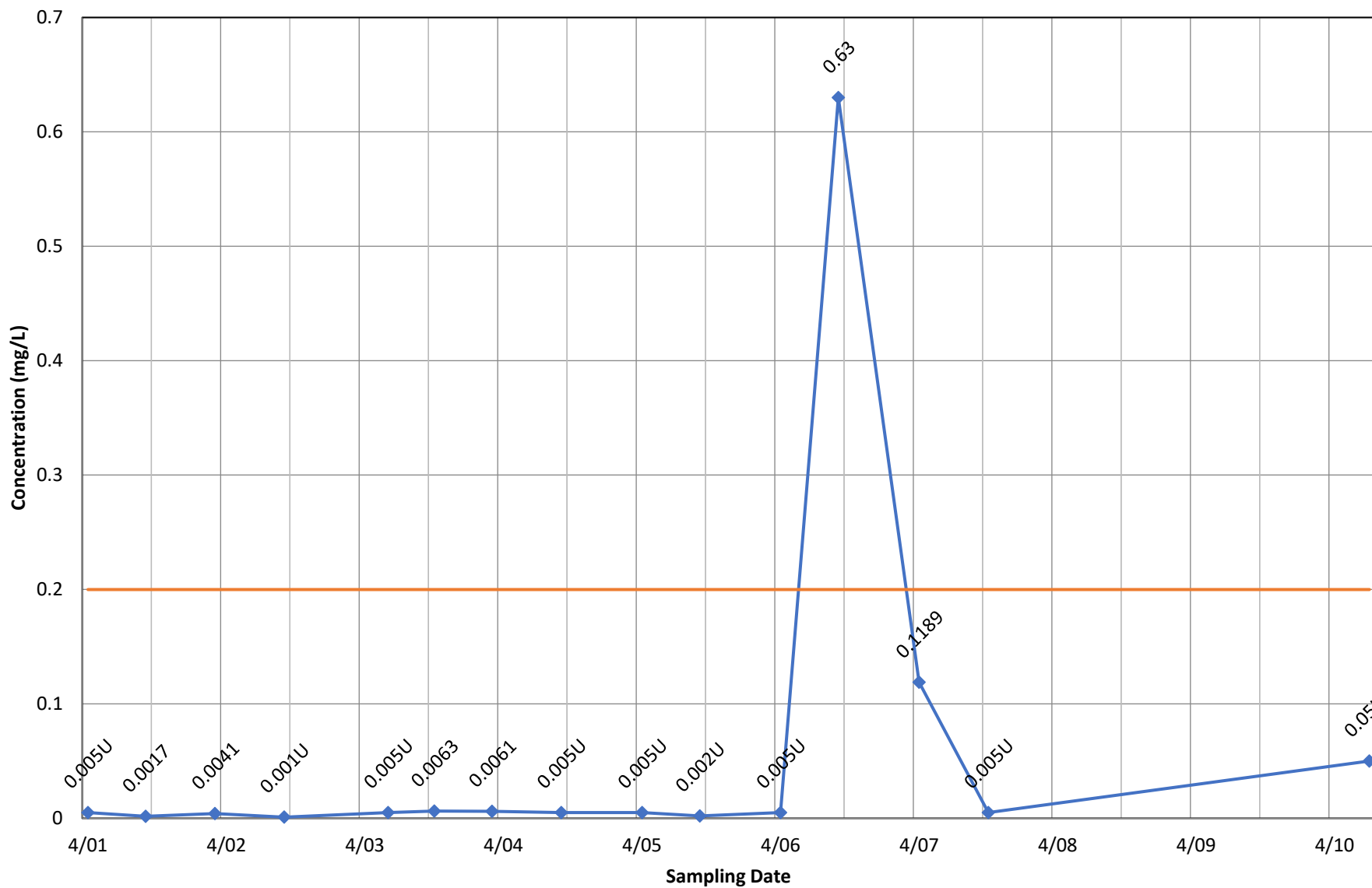


### Monitoring Well ST065 - Bis(2-Ethylhexyl) Phthalate



◆ Concentration    — Current MCL

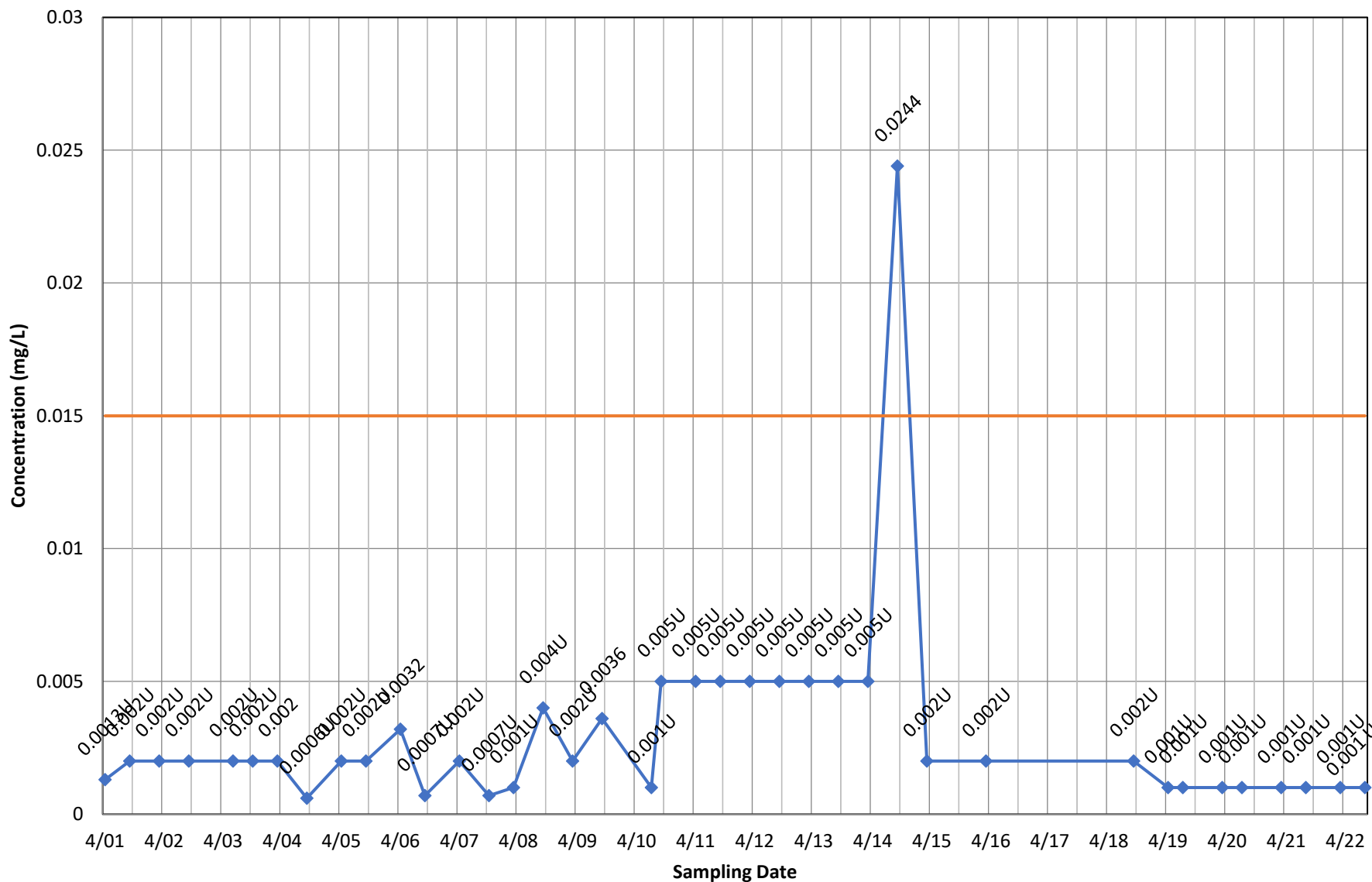
### Monitoring Well ST065 - Cyanide, Total



◆ Concentration    — Current MCL

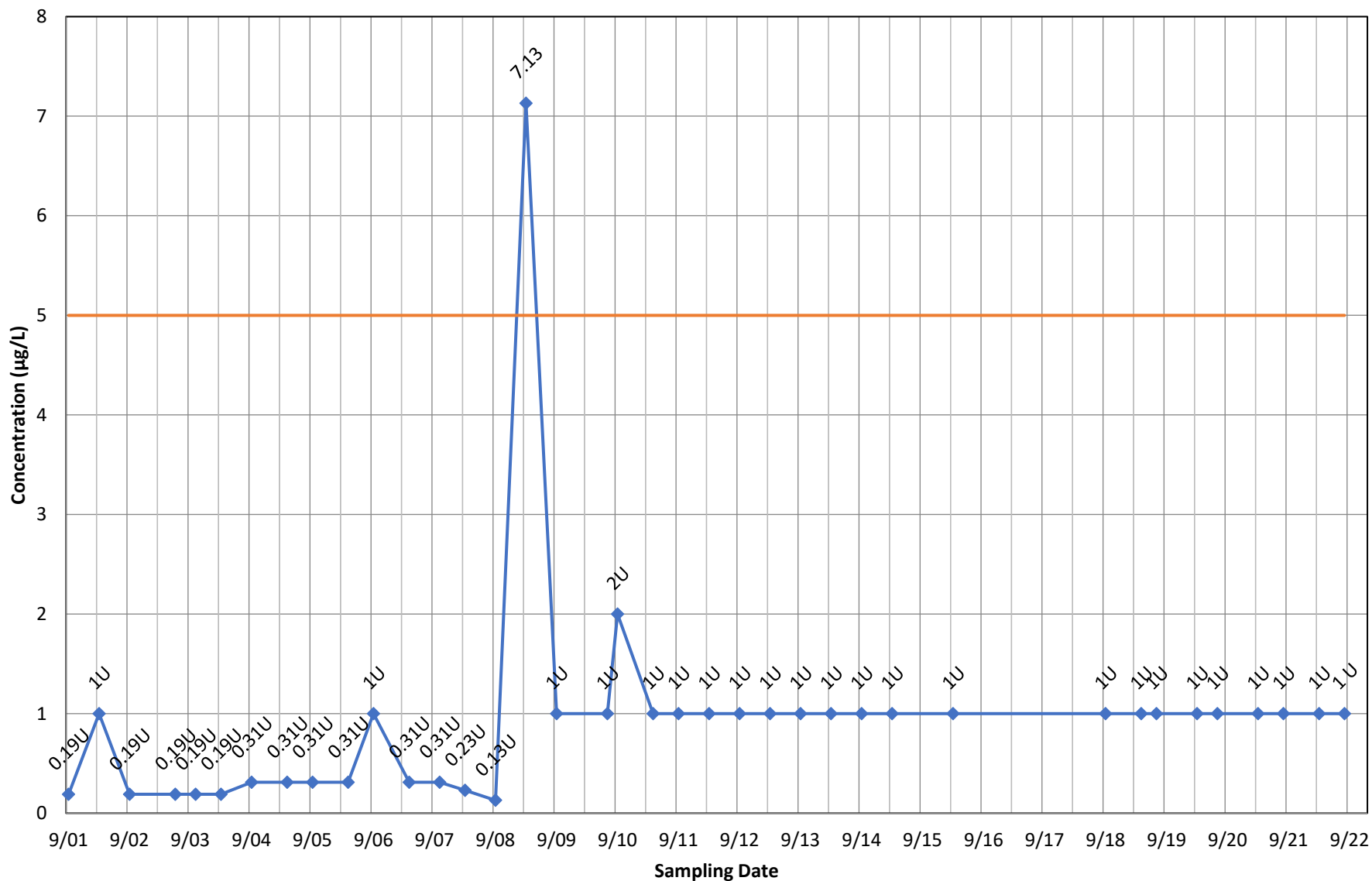


### Monitoring Well ST065 - Lead, total



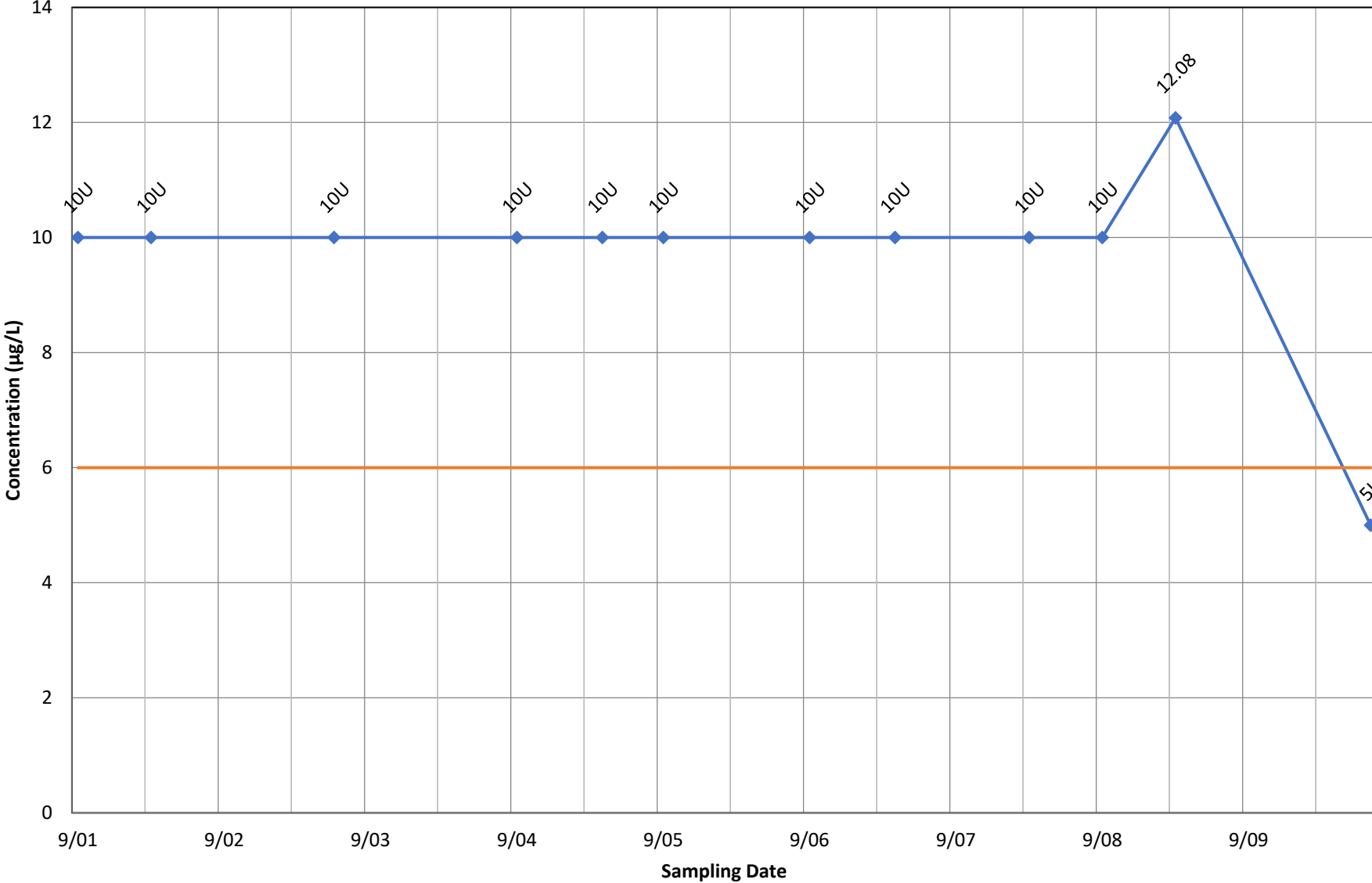
◆ Concentration    — Current MCL

# Monitoring Well ST065 - Trichloroethene



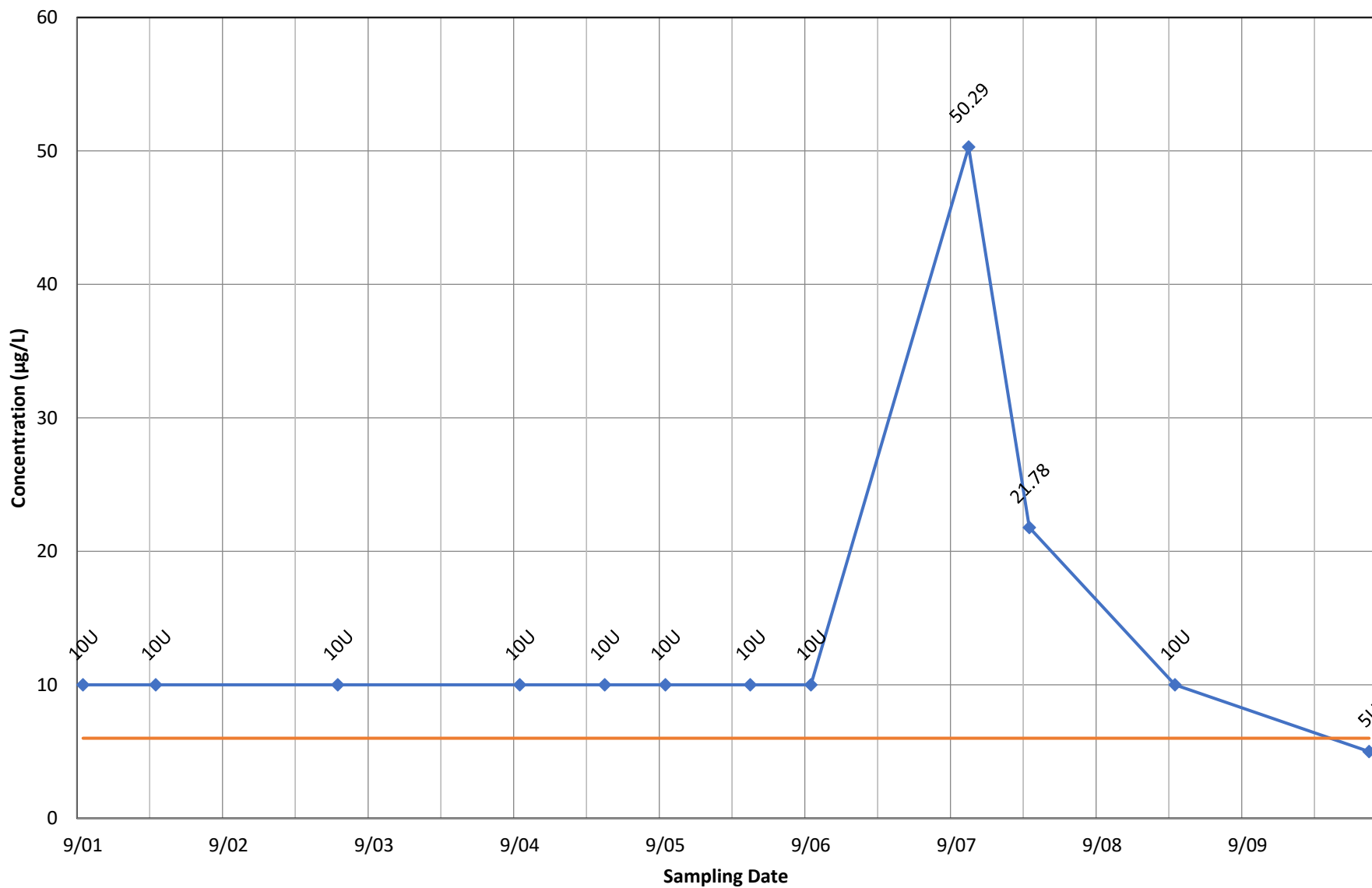
◆ Concentration    — Current MCL

### Monitoring Well ST120 - Bis(2-Ethylhexyl) Phthalate



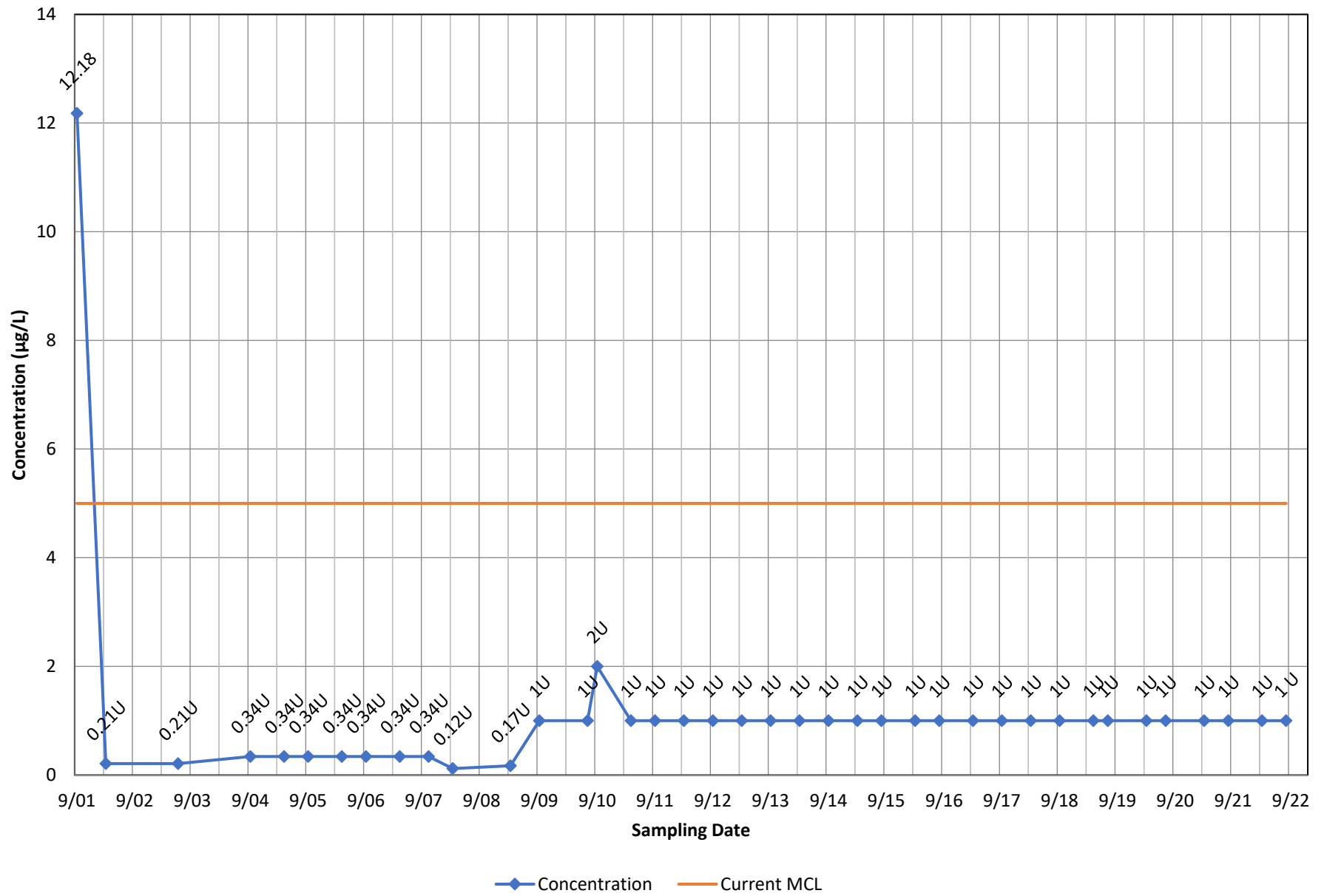
◆ Concentration    — Current MCL

### Monitoring Well ST70 - Bis(2-Ethylhexyl) Phthalate

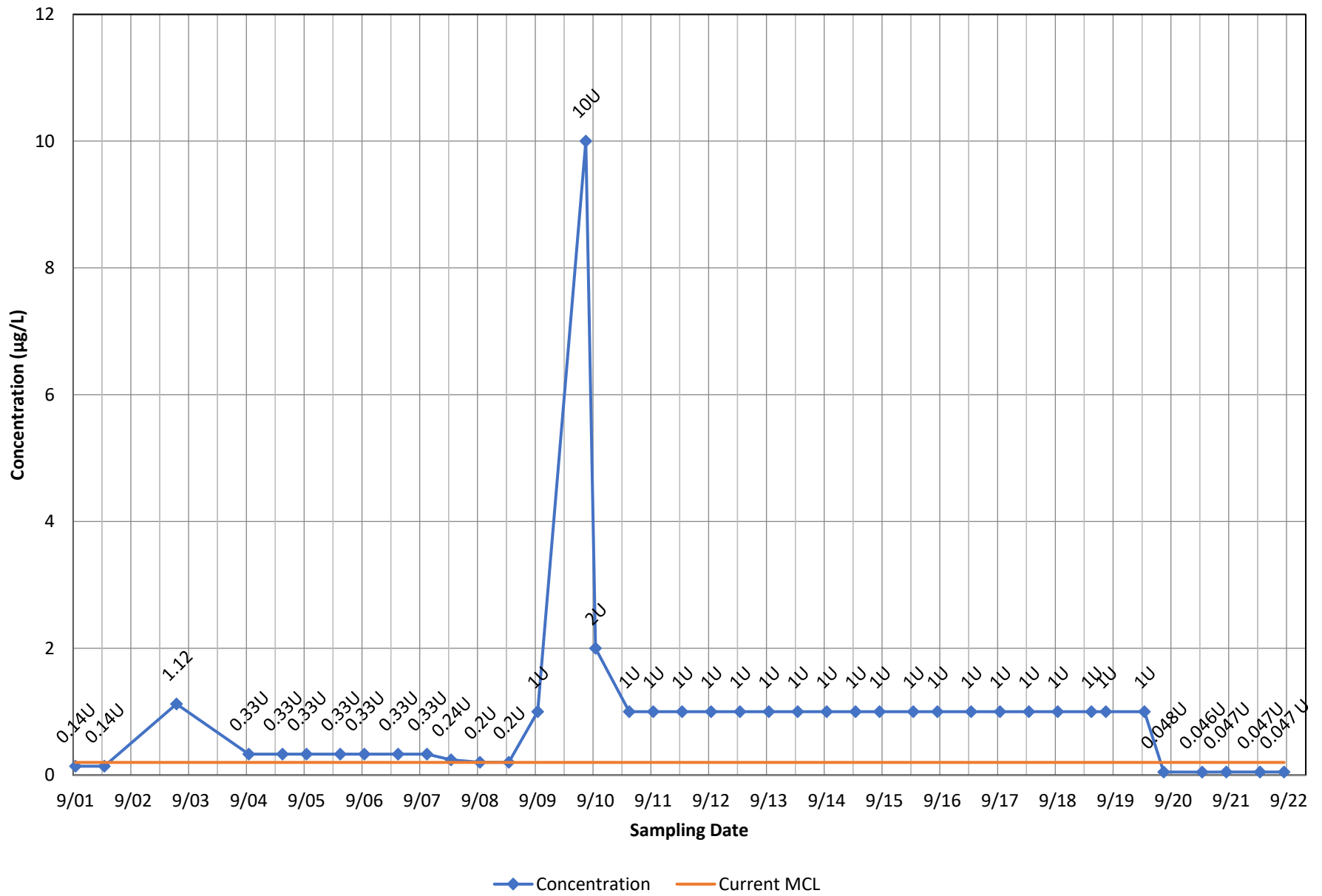


◆ Concentration    — Current MCL

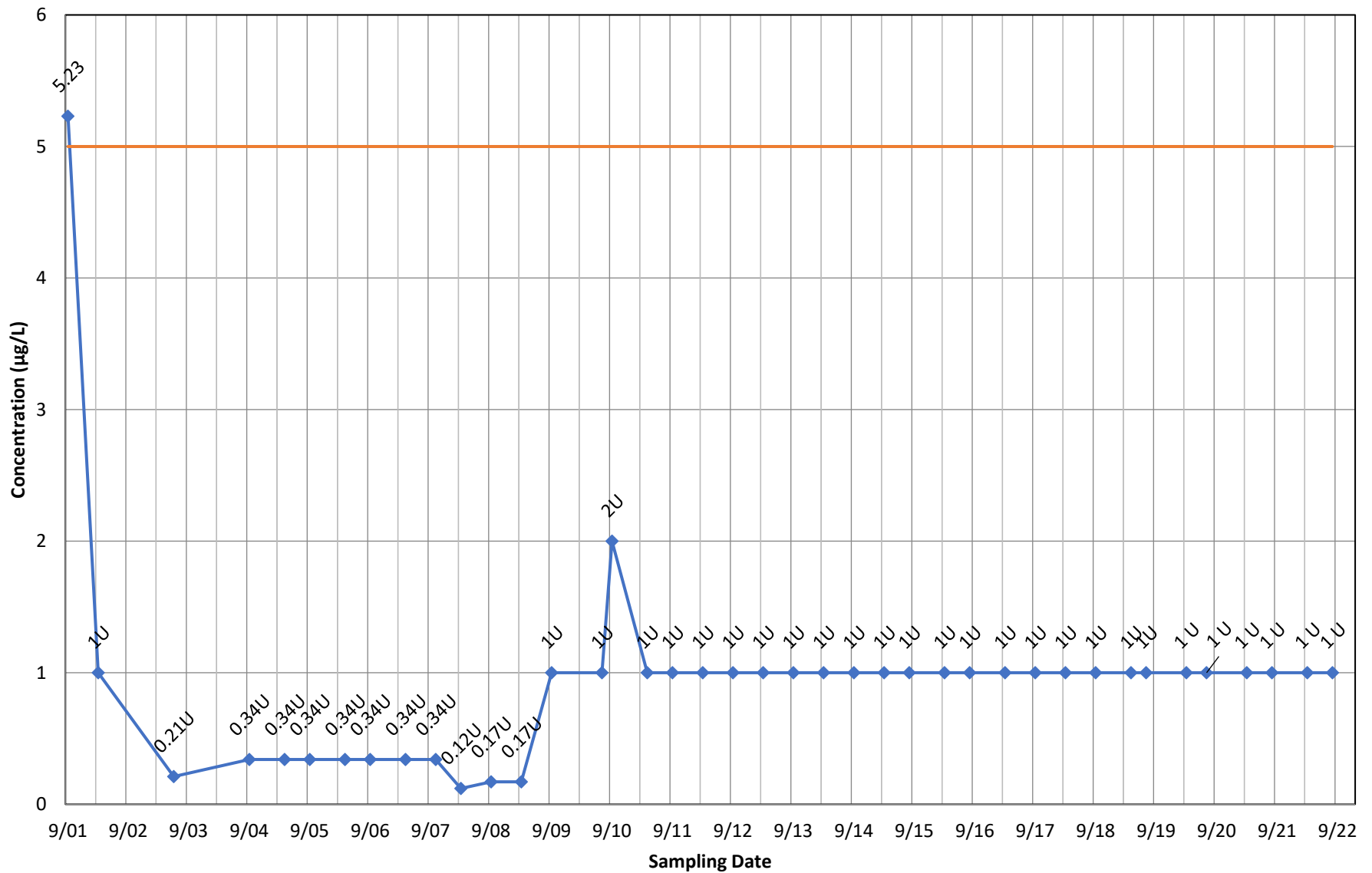
# Monitoring Well ST70 - Methylene Chloride



# Monitoring Well ST80 - 1,2-Dibromo-3-chloropropane



### Monitoring Well ST80 - Methylene Chloride



◆ Concentration    — Current MCL

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**Appendix E**  
**Historical Data Tables**

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**Gude Landfill**  
**Monitoring Location MW-1B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL																		
<b>09/10</b>	48	0.2 U	10 U	2.5 U	--	30	0.2 U	--	--	--	--	--	4 U	--	440	--	28.2	--
<b>04/11</b>	49	0.2 U	6.5	2.5 U	--	36	0.2 U	--	--	--	--	--	4 U	--	92	--	39.4	--
<b>09/11</b>	49	0.2 U	10 U	2.5 U	--	33	0.2 U	--	--	--	--	--	4 U	--	80	--	--	--
<b>03/12</b>	58	0.2 U	10 U	2.75	--	60	0.2 U	--	--	--	--	--	4 U	--	92	--	--	--
<b>09/12</b>	52	0.2 U	10 U	3.33	--	80	0.2 U	--	--	--	--	--	4 U	--	92	--	--	--
<b>04/13</b>	49	0.2 U	10 U	3.24	7.44	36	0.2 U	450	6.21	--	113.1	--	4 U	16.39	136	--	--	47.7
<b>09/13</b>	49	0.2 U	10 U	3.27	7.79	40	0.2 U	376	6.10	--	95.5	--	4 U	16.37	90	--	--	33.9
<b>03/14</b>	47	0.2 U	10 U	3.96	7.85	50	0.2 U	401	6.12	--	86	--	4 U	15.75	67	--	--	12.3
<b>09/14</b>	43	0.2 U	10 U	2.6	8.38	42	0.2 U	380	6.35	--	78.3	--	4 U	16.83	70	--	--	37.5
<b>03/15</b>	45	0.2 U	10 U	3.66	0	40	0.2 U	350	6.52	--	70.9	--	4 U	19.15	98	--	--	1.2
<b>09/15</b>	46	0.2 U	10 U	2.5 U	8.2	42	0.2 U	321	5.96	--	80.3	--	4 U	19.12	1 U	--	--	2.9
<b>03/16</b>	44	0.2 U	10 U	2.5 U	0	32	0.2 U	354	6.07	--	44	--	4 U	17.04	172	--	--	2.2
<b>09/16</b>	53	0.2 U	10 U	2.71	8.24	68	0.2 U	346	5.92	--	89	--	4 U	21.16	74	--	--	34.5
<b>03/17</b>	47	0.2 U	10 U	2.82	--	42	0.2 U	365	6.02	--	88.9	--	4 U	22.01	10 U	--	--	8.6
<b>09/17</b>	68	0.2 U	10 U	3.04	7.39	92	0.2 U	472	6.25	--	92.9	--	4 U	15.47	74	--	--	0.5
<b>04/18</b>	49.8	0.2 U	10 U	3.53	--	43.2	0.222	253	6.14	--	94.4	--	4 U	9.55	91	--	--	11.1
<b>09/18</b>	49.5	0.2 U	10 U	3.11	--	39.7	0.205	225	5.82	--	101.3	--	4 U	17.43	59	--	--	13.8
<b>04/19</b>	43.7	0.1 U	3 U	2.7	7.86	29.7	0.2 U	210.4	6.13	5.48	109.6	89.3	1 U	16.5	106	22.9	4.75	6.8
<b>08/19</b>	43.4	0.1 U	3 U	2.5	8.52	28.1	0.2 U	198.6	5.79	6.30	0.089	88.6	1 U	16.9	69	5.8	1.25	0.7
<b>03/20</b>	45.1	0.1 U	3 U	2.6	8.27	29.5	0.15 J	232.2	5.99	6.58	92.2	93.3	1 U	18.9	76	5.2	1.91	36.1
<b>07/20</b>	39.2	0.11	4.8	2.6	7.55	31.2	0.15 J	149.7	5.99	6.47	101.1	87.3	1 U	18.8	75	27.9	6.16	22.1

Shaded concentrations represent MCL exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>03/21</b>	41.6	0.1 U	3 U	2.37	8.17	27.8	0.157	211.7	6.04	6.23	104.1	87	0.7	18.1	71.5	2.1 U	0.578	4.9
<b>09/21</b>	48.9	0.05 U	12.1	1.99	7.91	30	0.204	198.4	6.30	6.38	79.4	90	0.3 U	16.4	68 B	47.4	2.96	47.1
<b>03/22</b>	50.6	0.02 J	3 U	2.29 J	8.32	37	0.177 J	122.3	6.12	6.23	865	96.27	0.3 U	15.5	71.3	114	35	105
<b>08/22</b>	46.4	0.04 J	11.9	2.22 J	7.90	33	0.193	117.40	6.00	6.30	81.6	101.3	0.3 U	17.5	83.5	127	14.9	64.00

Shaded concentrations represent MCL exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002	
<b>07/10</b>	0.001 U	0.001	0.0062	0.001 U	0.001 U	--	0.019	0.0024	0.0095	--	0.0017	--	--	0.0002 U	0.014
<b>09/10</b>	0.005 U	0.005 U	0.0057	0.005 U	0.005 U	6.83	0.0055	0.005 U	0.0086	1.22	0.005 U	3.72	0.038	0.0002 U	0.0055
<b>04/11</b>	0.005 U	0.005 U	0.0081	0.005 U	0.005 U	8.18	0.005 U	0.005 U	0.005 U	0.651	0.005 U	4.58	0.0495	0.0002 U	0.005 U
<b>09/11</b>	0.005 U	0.005 U	0.0089	0.005 U	0.005 U	6.92	0.00501	0.005 U	0.00799	1.56	0.00552	4.34	0.0441	0.0002 U	--
<b>03/12</b>	0.005 U	0.005 U	0.00843	0.005 U	0.005 U	8.77	0.00854	0.005 U	0.0104	2.22	0.005 U	5.74	0.0541	0.0002 U	0.005 U
<b>09/12</b>	0.005 U	0.005 U	0.0338	0.01 U	0.005 U	10.4	0.233	0.0205	0.0802	17.6	0.0117	11.6	0.516	0.0002 U	0.0716
<b>04/13</b>	0.005 U	0.005 U	0.00611	0.005 U	0.005 U	9.07	0.00515	0.005 U	0.0159	1.34	0.005 U	5.42	0.0436	0.0002 U	0.005 U
<b>09/13</b>	0.005 U	0.005 U	0.00851	0.005 U	0.005 U	8.27	0.00711	0.005 U	0.00568	0.623	0.005 U	4.56	0.0189	0.0002 U	0.005 U
<b>03/14</b>	0.005 U	0.005 U	0.00701	0.005 U	0.005 U	7.81	0.005 U	0.005 U	0.005 U	0.289	0.005 U	4.63	0.0186	0.0002 U	0.005 U
<b>09/14</b>	0.005 U	0.005 U	0.00849	0.005 U	0.005 U	7.68	0.005 U	0.005 U	0.00531	0.992	0.005 U	4.36	0.0279	0.0002 U	0.00505
<b>03/15</b>	0.002 U	0.002 U	0.01 U	0.002 U	0.004 U	6	0.01 U	0.01 U	0.0025 J	0.85	0.002 U	4.1	0.022	0.0002 U	0.011 U
<b>09/15</b>	0.001 U	0.001 U	0.005 U	0.001 U	0.0005 U	5.9	0.005 U	0.005 U	0.005 U	0.42	0.001 U	3.7	0.01 U	0.0002 U	0.01 U
<b>03/16</b>	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.14	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	3.54	0.002 U	0.0002 U	0.002 U
<b>09/16</b>	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.55	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	3.94	0.00579	0.0002 U	0.002 U
<b>03/17</b>	0.005 U	0.005 U	0.0073	0.005 U	0.005 U	9.17	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	4.95	0.00877	0.0002 U	0.005 U
<b>09/17</b>	0.005 U	0.005 U	0.00573	0.005 U	0.005 U	9.01	0.005 U	0.005 U	0.005 U	0.262	0.005 U	4.91	0.00897	0.0002 U	0.005 U
<b>04/18</b>	0.005 U	0.005 U	0.00606	0.005 U	0.005 U	9	0.005 U	0.005 U	0.005 U	0.328	0.005 U	5.04	0.0116	0.0002 U	0.005 U
<b>09/18</b>	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	7.95	0.005 U	0.005 U	0.005 U	0.11	0.005 U	4.82	0.005 U	0.0002 U	0.005 U
<b>04/19</b>	0.001 U	0.001 U	0.0018	0.001 U	0.001 U	5.28	0.00116	0.001 U	0.00275	0.419	0.001 U	4.02	0.0119	0.0001 U	0.00109
<b>08/19</b>	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	5	0.00512	0.001 U	0.001 U	0.128	0.001 U	3.8	0.00313	0.0001 U	0.00357 B
<b>03/20</b>	0.001 U	0.001 U	0.00158	0.001 U	0.001 U	5.51	0.00303	0.001 U	0.001 U	0.116	0.001 U	3.82	0.00359	0.0001 U	0.00197
<b>07/20</b>	0.001 U	0.001 U	0.00317	0.001 U	0.001 U	5.46	0.0123	0.001 U	0.0024	0.774	0.001 U	4.26	0.0191	0.0001 U	0.00721
<b>03/21</b>	0.001 U	0.001 U	0.00111	0.001 U	0.001 U	5.11	0.001 U	0.001 U	0.001 U	0.0441 J	0.001 U	3.66	0.00148	0.0001 U	0.001 U
<b>09/21</b>	0.001 U	0.001 U	0.00298	0.001 U	0.001 U	5.4	0.0134	0.001 U	0.0019	0.583	0.001 U	4	0.0163	0.0001 U	0.0115
<b>03/22</b>	0.001 U	0.001 U	0.00402 J	0.001 U	0.001 U	8.21	0.02	0.00228 J	0.00621 J	0.872	0.00164 J	4.01	0.066	0.0001 U	0.0201

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
0.006	0.00100	0.00100	2	0.00100	0.00100	5.92	0.0219	0.00143	0.00456	1.34	0.00100	4.42	0.0327	0.000100	0.0167

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Total Metals**

	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	0.05	0.05		0.002			
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.0059	0.026
<b>09/10</b>	1.25	0.005 U	0.005 U	10.2	0.005 U	0.005 U	0.0102
<b>04/11</b>	1.15	0.005 U	0.005 U	8.37	0.005 U	0.005 U	0.00685
<b>09/11</b>	1.47	0.005 U	0.005 U	6.78	0.005 U	0.005 U	0.0145
<b>03/12</b>	1.36	0.005 U	0.005 U	8.88	0.005 U	0.005 U	0.0179
<b>09/12</b>	3.47	0.005 U	0.005 U	8.62	0.005 U	0.022	0.109
<b>04/13</b>	1.53	0.005 U	0.005 U	12.8	0.005 U	0.005 U	0.012
<b>09/13</b>	1.06	0.005 U	0.005 U	7.4	0.005 U	0.005 U	0.00722
<b>03/14</b>	1.06	0.005 U	0.005 U	8.04	0.005 U	0.005 U	0.00628
<b>09/14</b>	1.14	0.005 U	0.005 U	7.31	0.005 U	0.005 U	0.0143
<b>03/15</b>	1	0.035 U	0.01 U	7.2	0.002 U	0.01 U	0.0068 J
<b>09/15</b>	1.1	0.005 U	0.001 U	7.5	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.895	0.002 U	0.002 U	6.74	0.001 U	0.002 U	0.002 U
<b>09/16</b>	0.973	0.002 U	0.002 U	7.38	0.001 U	0.002 U	0.002 U
<b>03/17</b>	1.15	0.005 U	0.005 U	8.53	0.005 U	0.005 U	0.005 U
<b>09/17</b>	1.12	0.005 U	0.005 U	8.55	0.005 U	0.005 U	0.0307
<b>04/18</b>	1.17	0.005 U	0.005 U	8.38	0.005 U	0.005 U	0.0238
<b>09/18</b>	1.13	0.005 U	0.005 U	8.32	0.005 U	0.005 U	0.005 U
<b>04/19</b>	1.08	0.001 U	0.001 U	7.62	0.001 U	0.00112	0.00645
<b>08/19</b>	0.945	0.001 U	0.001 U	7.44	0.001 U	0.001 U	0.004 U
<b>03/20</b>	1.04	0.001 U	0.001 U	7.54	0.001 U	0.001 U	0.004 U
<b>07/20</b>	1.15	0.001 U	0.001 U	8	0.001 U	0.00182	0.00469
<b>03/21</b>	0.937	0.001 U	0.001 U	7.29	0.001 U	0.001 U	0.004 U
<b>09/21</b>	1.14	0.001 U	0.001 U	7.84	0.001 U	0.00113	0.004 U
<b>03/22</b>	2.39 B	0.001 U	0.001 U	7.58	0.001 U	0.00183 J	0.0106

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Total Metals**

MCL	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)
0.05	1.26	0.00100 U	0.00100 U	7.79	0.00100 U	0.00238 J	0.00897 J

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/14</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/14</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/15</b>	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 U	1 U	5 U	5 U	5 U	10	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/15</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

	MCL	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)	1,1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
		5	100		80		70		80	700	10000				5	10000	100	5	1000	100		5				
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>04/11</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/12</b>	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 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>04/13</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/13</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>03/14</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/14</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>03/15</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/15</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>03/16</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/16</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>03/17</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/17</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>04/18</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/18</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>04/19</b>	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 U	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 U
<b>08/19</b>	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 U	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 U
<b>03/20</b>	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 U	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 U
<b>07/20</b>	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 U	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 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	--	
<b>04/11</b>	1 U	1 U	
<b>09/11</b>	1 U	1 U	
<b>03/12</b>	1 U	1 U	
<b>09/12</b>	1 U	1 U	
<b>04/13</b>	1 U	1 U	
<b>09/13</b>	1 U	1 U	
<b>03/14</b>	1 U	1 U	
<b>09/14</b>	1 U	1 U	
<b>03/15</b>	1 U	1 U	
<b>09/15</b>	1 U	1 U	
<b>03/16</b>	1 U	1 U	
<b>09/16</b>	1 U	1 U	
<b>03/17</b>	1 U	1 U	
<b>09/17</b>	1 U	1 U	
<b>04/18</b>	1 U	1 U	
<b>09/18</b>	1 U	1 U	
<b>04/19</b>	1 U	1 U	
<b>08/19</b>	1 U	1 U	
<b>03/20</b>	1 U	1 U	
<b>07/20</b>	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	30	0.2 U	10 U	2.5 U	--	19	0.2 U	--	--	--	--	--	4 U	--	465	--	58.9	--
<b>04/11</b>	40	0.2 U	7.5	2.74	--	25	0.2 U	--	--	--	--	--	4 U	--	112	--	117.6	--
<b>09/11</b>	35	0.2 U	10 U	2.69	--	22	0.2 U	--	--	--	--	--	4 U	--	108	--	--	--
<b>03/12</b>	46	0.2 U	10 U	2.65	--	32	0.2 U	--	--	--	--	--	4 U	--	84	--	--	--
<b>09/12</b>	54	0.2 U	10 U	2.63	--	32	0.2 U	--	--	--	--	--	4 U	--	100	--	--	--
<b>09/13</b>	56	0.2 U	10 U	5.76	0.52	48	0.2 U	270	5.31	--	104.3	--	4 U	16.43	4	--	--	11.3
<b>03/14</b>	49	0.2 U	10 U	3.39	--	46	0.2 U	--	--	--	--	--	4 U	--	70	--	--	--
<b>09/14</b>	28	0.2 U	10 U	3.73	3.5	30	0.2 J	--	6.56	--	55.7	--	4 U	19.71	84	--	--	--
<b>03/15</b>	30	0.2 U	10 U	2.69	2.95	34	0.2 U	349	5.72	--	54.2	--	4 U	16.86	72	--	--	2.7
<b>09/15</b>	34	0.2 U	10 U	3.46	4.44	130	0.2 U	340	5.17	--	62.5	--	4 U	19.1	1 U	--	--	65.5
<b>03/16</b>	39	0.2 U	10 U	4.77	3.37	100	0.2 U	389	5.43	--	86.4	--	4 U	15.6	215	--	--	0.9
<b>08/16</b>	51	0.2 U	10 U	3.32	4.91	40	0.2 U	412	5.44	--	71.8	--	4 U	18.93	65	--	--	0
<b>03/17</b>	65	0.2 U	10 U	4.31	6.81	40	0.2 U	332	5.65	--	84.3	--	4 U	12.65	120	--	--	4.6
<b>09/17</b>	--	--	--	--	5.54	--	--	333	6.01	--	109.8	--	--	15.43	--	--	--	1016
<b>04/19</b>	19.5	0.1 U	5	2.9	8.15	14.9	0.2 U	182.2	5.37	5.65	65.5	54.5	1.9	15.6	17	5.3	7.01	9.8
<b>08/19</b>	19	0.37	3 U	2.5	7.62	16.9	0.2 U	284.5	4.28	5.49	0.047	47.5	1 U	16.5	45	109	104	115.8
<b>03/20</b>	20.8	0.1 U	3 U	2.4	5.85	16.1	0.35	302.4	5.17	5.65	52.6	53.1	0.56 J	17.3	43	2.5 U	0.5 U	38
<b>07/20</b>	14.6	0.1 U	3.6	3.2	2.81	17.8	0.2 U	262.1	5.17	5.51	59.1	53.9	0.56 J	18.9	53	16.2	3.56	119.3
<b>03/21</b>	18.1	0.1 U	3 U	3.22	3.12	16.3	0.083	211.1	5.26	5.49	56.1	54.1	1.6	18.1	42	66.8	1.71	9.8
<b>09/21</b>	27.1	0.05 U	15.7	2.09	0.66	18.8	0.022	243.4	5.60	5.36	56.8	60.5	0.3 U	8.1	43.3	25.7	3.7	7.7
<b>03/22</b>	31.7	0.02 U	3 U	5.37	3.36	22.2	0.084 J	176.7	5.30	5.46	72	78.09	0.6 J	14.4	50.5	105	9.89	18.9

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - General Parameters**

MCL	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>08/22</b>	26.9	0.08 J	12.4	3.04	2.46	20.8	0.052	218.90	5.08	5.47	61.2	78.5	0.3	20.1	50.0	14.4	1.35	13.30

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-2A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>07/10</b>	0.001 U	0.0022	0.031	0.001 U	0.001 U	--	0.021	0.0079	0.016	--	0.0068	--	--	0.0001 J	0.018	--
<b>09/10</b>	0.005 U	0.005 U	0.0155	0.005 U	0.005 U	4.89	0.0084	0.005 U	0.008	1.38	0.005 U	2.15	0.12	0.0002 U	0.0102	1.94
<b>04/11</b>	0.005 U	0.005 U	0.0299	0.005 U	0.005 U	7.78	0.0085	0.005 U	0.0118	3.14	0.0055	3.75	0.173	0.0002 U	0.0092	2.32
<b>09/11</b>	0.005 U	0.005 U	0.0206	0.005 U	0.005 U	8.86	0.005 U	0.005 U	0.00689	0.68	0.005 U	3.25	0.204	0.0002 U	--	1.8
<b>03/12</b>	0.005 U	0.005 U	0.0209	0.005 U	0.005 U	10.5	0.0404	0.014	0.028	1.27	0.005 U	3.59	0.148	0.00059	--	2.12
<b>09/12</b>	0.005 U	0.005 U	0.0181	0.005 U	0.005 U	11.1	0.022	0.005 U	0.0163	0.725	0.005 U	4.81	0.151	0.000759	--	2.14
<b>09/13</b>	0.005 U	0.005 U	0.0172	0.005 U	0.005 U	13.2	0.005 U	0.00517	0.0106	1.46	0.005 U	5.72	0.602	0.000294	0.0083	2.27
<b>03/14</b>	0.005 U	0.005 U	0.0247	0.005 U	0.005 U	10.2	0.0184	0.005 U	0.0543	2.2	0.005 U	4.58	0.42	0.000996	0.0165	2.12
<b>09/14</b>	0.005 U	0.005 U	0.142	0.005 U	0.005 U	6.29	0.0355	0.0174	0.0411	17.3	0.0221	6.91	0.595	0.000715	0.0244	5.83
<b>03/15</b>	0.002 U	0.002 U	0.012	0.002 U	0.004 U	4.6	0.01 U	0.01 U	0.01 U	0.059	0.002 U	2.8	0.17	0.0002 U	0.011 U	1.4
<b>09/15</b>	0.001 U	0.0014	0.027	0.001 U	0.0005 U	5.7	0.27	0.016	0.037	6.2	0.0053	3.7	0.17	0.00043	0.22	2.6
<b>03/16</b>	0.002 U	0.002 U	0.0112	0.002 U	0.002 U	6.29	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	2.68	0.0553	0.0002 U	0.00205	1.21
<b>08/16</b>	0.002 U	0.002 U	0.00981	0.002 U	0.002 U	6.71	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	3.39	0.0361	0.0002 U	0.00468	1.54
<b>03/17</b>	0.005 U	0.005 U	0.0231	0.005 U	0.005 U	9.17	0.00924	0.005 U	0.0124	1.61	0.005 U	4.21	0.247	0.0002 U	0.0245	1.94
<b>04/19</b>	0.001 U	0.001 U	0.00974	0.001 U	0.001 U	2.71	0.00826	0.00109	0.00315	0.167	0.001 U	1.97	0.071	0.0001 U	0.0182	1.29
<b>08/19</b>	0.001 U	0.0013	0.0326	0.001 U	0.001 U	2.25	0.014	0.00285	0.00743 B	4.61	0.00406	2.74	0.143	0.000117	0.00932	2.22
<b>03/20</b>	0.001 U	0.001 U	0.00923	0.001 U	0.001 U	2.69	0.00217	0.001 U	0.001 U	0.0279 J	0.001 U	2.27	0.0136	0.0001 U	0.00195	1.37
<b>07/20</b>	0.001 U	0.001 U	0.0113	0.001 U	0.001 U	3.1	0.00347	0.001 U	0.0011	0.18	0.001 U	2.44	0.0344	0.000347	0.00239	1.43
<b>03/21</b>	0.001 U	0.001 U	0.00917	0.001 U	0.001 U	2.96	0.00339	0.001 U	0.00239	0.243	0.001 U	2.15	0.0433	0.000207	0.00336	1.31
<b>09/21</b>	0.001 U	0.001 U	0.0125	0.001 U	0.001 U	3.23	0.00415	0.001 U	0.001 U	0.254	0.001 U	2.61	0.144	0.00236	0.0058	1.54
<b>03/22</b>	0.001 U	0.001 U	0.011	0.001 U	0.001 U	4.54	0.00666 J	0.00227 J	0.00594 J	0.468	0.00129 J	2.65	0.11	0.00018 J	0.00745 J	1.58 B
<b>08/22</b>	0.00100 U	0.00100 U	0.0105	0.00100 U	0.00100 U	4.1	0.00465 J	0.00438 J	0.00354	0.103	0.00100 U	2.56	0.0290	0.000211	0.00360 J	1.4

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>07/10</b>	0.001 U	0.001 U	--	0.001 U	0.0073	0.031
<b>09/10</b>	0.005 U	0.005 U	7.15	0.005 U	0.005 U	0.0114
<b>04/11</b>	0.005 U	0.005 U	7.07	0.005 U	0.005 U	0.0229
<b>09/11</b>	0.005 U	0.005 U	6.09	0.005 U	0.005 U	0.0187
<b>03/12</b>	0.005 U	0.005 U	10.4	0.005 U	0.005 U	0.0369
<b>09/12</b>	0.005 U	0.005 U	8.38	0.005 U	0.005 U	0.0247
<b>09/13</b>	0.005 U	0.005 U	9.54	0.005 U	0.005 U	0.0322
<b>03/14</b>	0.005 U	0.005 U	7.47	0.005 U	0.005 U	0.0401
<b>09/14</b>	0.005 U	0.005 U	5.02	0.005 U	0.0192	0.0856
<b>03/15</b>	0.035 U	0.01 U	4.2	0.002 U	0.01 U	0.01 U
<b>09/15</b>	0.005 U	0.0023	4.8	0.001 U	0.0052	0.036
<b>03/16</b>	0.002 U	0.0001 U	5.56	0.001 U	0.002 U	0.00448
<b>08/16</b>	0.002 U	0.002 U	6.28	0.001 U	0.002 U	0.00712
<b>03/17</b>	0.005 U	0.005 U	7.01	0.005 U	0.005 U	0.0368
<b>04/19</b>	0.001 U	0.001 U	4.2 B	0.001 U	0.001 U	0.006
<b>08/19</b>	0.00132	0.001 U	3.5	0.001 U	0.00422	0.0199 B
<b>03/20</b>	0.001 U	0.001 U	3.81	0.001 U	0.001 U	0.004 U
<b>07/20</b>	0.001 U	0.001 U	4.13	0.001 U	0.001 U	0.004 U
<b>03/21</b>	0.001 U	0.001 U	3.55	0.001 U	0.001 U	0.0152
<b>09/21</b>	0.001 U	0.001 U	3.69	0.001 U	0.001 U	0.004 U
<b>03/22</b>	0.001 U	0.001 U	4.45	0.001 U	0.001 U	0.0132
<b>08/22</b>	0.00100 U	0.00100 U	4.16	0.00100 U	0.00100 U	0.00645 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/13</b>	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 U	1 U	5 U	5 U	5 U	40.8	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/14</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/14</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/15</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/15</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>08/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>	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 U	1 U	5 U	5 U	5 U	7.7 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
		5	100		80		70			80	700	10000				5	10000	100	5	1000	100			5		
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	20 U	-	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	5 U	1 U	1 U
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	2 U	1 U	1 U	-	1 U	4	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	2 U	1 U	1 U	-	1 U	2.5	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/12	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 U	1 U	-	1 U	2.2	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	3.3	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.45	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	3.84	1 U	1 U	1 U	1 U	5 U	1.51	1 U
09/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.02	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.85	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.02	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.79	1 U	1 U	1 U	1 U	5 U	1 U	1 U
08/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.04	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.22	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.62	1 U	1 U	1 U	1 U	5 U	1 U	1 U
04/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	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 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/20	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 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/21	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 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>03/22</b>	5	100	80	70	80	700	10000																		
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	1 U	--	
<b>04/11</b>	1 U	1 U	1 U	
<b>09/11</b>	1 U	1 U	1 U	
<b>03/12</b>	1 U	1 U	1 U	
<b>09/12</b>	5 U	1 U	1 U	
<b>03/13</b>	5 U	1 U	1 U	
<b>09/13</b>	5 U	1 U	1 U	
<b>03/14</b>	5 U	1 U	1 U	
<b>09/14</b>	5 U	1 U	1 U	
<b>03/15</b>	5 U	1 U	1 U	
<b>09/15</b>	5 U	1 U	1 U	
<b>03/16</b>	5 U	1 U	1 U	
<b>08/16</b>	5 U	1 U	1 U	
<b>03/17</b>	5 U	1 U	1 U	
<b>09/17</b>	5 U	1 U	1 U	
<b>04/19</b>	1 U	1 U	1 U	
<b>08/19</b>	1 U	1 U	1 U	
<b>03/20</b>	1 U	1 U	1 U	
<b>07/20</b>	1 U	1 U	1 U	
<b>03/21</b>	1 U	1 U	1 U	
<b>09/21</b>	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2A - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>03/22</b>		1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-2B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	29	0.2 U	10 U	2.5 U	--	18	0.2 U	--	--	--	--	--	4 U	--	648	--	2.43	--
<b>04/11</b>	37	0.2 U	10 U	2.5 U	--	24	0.2 U	--	--	--	--	--	4 U	--	56	--	1.29	--
<b>09/11</b>	33	0.2 U	10 U	2.5 U	--	35	0.2 U	--	--	--	--	--	4 U	--	44	--	--	--
<b>03/12</b>	40	0.2 U	10 U	2.5 U	--	30	0.2 U	--	--	--	--	--	4 U	--	92	--	--	--
<b>09/12</b>	36	0.2 U	10 U	2.55	--	34	0.2 U	--	--	--	--	--	4 U	--	84	--	--	--
<b>03/13</b>	41	0.2 U	12.6	2.5 U	0.92	34	0.2 U	457	5.61	--	94.8	--	4 U	14.32	4	--	--	0.57
<b>09/13</b>	34	0.2 U	10 U	2.5 U	2.54	30	0.2 U	413	5.13	--	74	--	4 U	17.35	72	--	--	0
<b>03/14</b>	37	0.2 U	10 U	2.58	2.31	56	0.2 U	458	5.31	--	78.2	--	4 U	14.61	66	--	--	0.9
<b>09/14</b>	23	0.2 U	10 U	4.06	4.77	28	0.2 U	463	5.22	--	55.1	--	4 U	16.57	1164	--	--	0.7
<b>03/15</b>	31	0.2 U	10 U	3.18	3.85	34	0.2 U	349	5.70	--	29.4	--	4 U	14.37	80	--	--	0.4
<b>09/15</b>	28	0.2 U	10 U	2.5 U	--	30	0.2 U	426	5.22	--	64.1	--	4 U	17.47	21	--	--	0.69
<b>03/16</b>	42	0.2 U	10 U	2.5 U	0	62	0.2 U	400	5.67	--	84	--	4 U	17.31	186	--	--	0
<b>08/16</b>	38	0.2 U	10 U	2.5 U	5.21	42	0.2 U	412	5.13	--	66.7	--	4 U	16.14	44	--	--	4.6
<b>03/17</b>	57	0.2 U	10 U	2.66	--	40	0.2 U	419	5.19	--	72.1	--	4 U	11.83	49	--	--	1.1
<b>09/17</b>	42	0.2 U	10 U	2.5 U	4.31	100	0.2 U	503	5.57	--	77	--	4 U	15.5	60	--	--	0.9
<b>04/18</b>	34.1	0.2 U	10 U	2.84	--	29.9	0.2 U	283	5.43	--	73.1	--	4 U	15.53	58	--	--	1.7
<b>09/18</b>	31.7	0.2 U	10 U	3.02	--	28.6	0.2 U	229	5.25	--	67.3	--	4 U	18.06	45	--	--	0
<b>04/19</b>	1 U	0.1 U	3 U	30.2	9.37	13.5	0.2 U	243	5.22	5.50	55.5	227	1.5	15.7	42	2.6 U	0.794	2.9
<b>08/19</b>	17.4	0.1 U	3 U	4	8.69	13.6	0.2 U	243.2	5.04	5.50	0.05	48.5	1 U	16.2	40	4.7	1.69	0.05
<b>03/20</b>	22	0.1 U	3 U	3.4	5.92	18	0.11 J	306.1	5.26	5.64	55.7	55.6	0.59 J	15.9	32	2.4 U	0.5 U	0
<b>07/20</b>	16.6	0.1 U	11.2	4.1	3.19	19.2	0.2 U	270.5	4.38	5.39	69.6	59.5	1 U	20.4	51.5	3.9	1.11	46.7

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>03/21</b>	17.7	0.1 U	3 U	3.59	2.73	16.2	0.25	243.1	5.28	5.46	52.7	53.3	1.8	16.7	40	10.2	0.5 U	8.03
<b>09/21</b>	25.8	0.05 U	18.5	4.58 B	0.95	21.4	0.032	258.4	5.67	5.35	64.9	66.6	0.3 U	18.9	45.5	88.6	6.1	8.7
<b>03/22</b>	28.9	0.16 J	3 U	4.5 J	3.01	21.5	0.064 J	233.1	5.26	5.41	63	70.53	0.8 J	15.8	43.5	10.5	4.71	4.68
<b>08/22</b>	28.0	0.04 J	25.5	3.42 J	1.96	22.5	0.057	274.80	5.02	5.45	59.1	87.78	0.3	17.1	48.5	11.9	2.14	3.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002	
<b>07/10</b>	0.001 U	0.0008 J	0.0088	0.001 U	0.001 U	--	0.0012	0.0022	0.0015	--	0.0005 J	--	--	0.0002 U	0.0038
<b>09/10</b>	0.005 U	0.005 U	0.0113	0.005 U	0.005 U	4.92	0.005 U	0.005 U	0.0054	0.5 U	0.005 U	1.94	0.0868	0.0002 U	0.005 U
<b>04/11</b>	0.005 U	0.005 U	0.0095	0.005 U	0.005 U	8.72	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	2.84	0.063	0.0002 U	0.005 U
<b>09/11</b>	0.005 U	0.005 U	0.0123	0.005 U	0.005 U	7.2	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	2.85	0.044	0.0002 U	--
<b>03/12</b>	0.005 U	0.005 U	0.00636	0.005 U	0.005 U	9.89	0.005 U	0.005 U	0.00608	0.2 U	0.005 U	2.44	0.0393	0.0002 U	0.00701
<b>09/12</b>	0.005 U	0.005 U	0.00799	0.005 U	0.005 U	11.7	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	3.04	0.0302	0.000582	0.005 U
<b>03/13</b>	0.005 U	0.005 U	0.00706	0.005 U	0.005 U	10.7	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	2.58	0.0342	0.0002 U	0.005 U
<b>09/13</b>	0.005 U	0.005 U	0.00696	0.005 U	0.005 U	10.1	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	2.56	0.023	0.0002 U	0.005 U
<b>03/14</b>	0.005 U	0.005 U	0.00712	0.005 U	0.005 U	11	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	2.74	0.0211	0.0002 U	0.005 U
<b>09/14</b>	0.005 U	0.005 U	0.0192	0.005 U	0.005 U	5.48	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	3.14	0.0629	0.0002 U	0.005 U
<b>03/15</b>	0.002 U	0.002 U	0.012	0.002 U	0.004 U	5.7	0.01 U	0.01 U	0.01 U	0.017	0.002 U	3	0.052	0.0002 U	0.011 U
<b>09/15</b>	0.001 U	0.001 U	0.013	0.001 U	0.0005 U	4.9	0.005 U	0.005 U	0.005 U	0.064	0.001 U	2.7	0.028	0.0002 U	0.01 U
<b>03/16</b>	0.002 U	0.002 U	0.0112	0.002 U	0.002 U	6.78	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	3.38	0.0418	0.0002 U	0.002 U
<b>08/16</b>	0.002 U	0.002 U	0.00806	0.002 U	0.002 U	6.03	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	2.47	0.0393	0.0002 U	0.002 U
<b>03/17</b>	0.002 U	0.002 U	0.00857	0.002 U	0.002 U	8.39	0.002 U	0.002 U	0.00232	0.2 U	0.002 U	2.9	0.0609	0.0002 U	0.00486
<b>09/17</b>	0.002 U	0.002 U	0.00755	0.002 U	0.002 U	8.24	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	2.98	0.0284	0.0002 U	0.00277
<b>04/18</b>	0.002 U	0.002 U	0.00641	0.002 U	0.002 U	7.61	0.00238	0.002 U	0.002 U	0.05 U	0.002 U	2.65	0.0349	0.0002 U	0.00343
<b>09/18</b>	0.002 U	0.002 U	0.00536	0.002 U	0.002 U	7.39	0.002 U	0.002 U	0.002 U	0.05 U	0.002 U	2.47	0.0256	0.0002 U	0.00223
<b>04/19</b>	0.001 U	0.001 U	0.00871	0.001 U	0.001 U	2.26	0.00359	0.001 U	0.00156	0.1 U	0.001 U	1.91	0.0233	0.0001 U	0.00394
<b>08/19</b>	0.001 U	0.001 U	0.00781	0.001 U	0.001 U	2.42	0.00692	0.001 U	0.001 U	0.1 U	0.001 U	1.84	0.0359	0.0001 U	0.005
<b>03/20</b>	0.001 U	0.001 U	0.0104	0.001 U	0.001 U	3.29	0.00165	0.001 U	0.001 U	0.0558 J	0.001 U	2.36	0.0178	0.0001 U	0.00148
<b>07/20</b>	0.001 U	0.001 U	0.0126	0.001 U	0.001 U	3.39	0.00267	0.001 U	0.001 U	0.0498 J	0.001 U	2.62	0.0536	0.000523	0.001 U
<b>03/21</b>	0.001 U	0.001 U	0.0103	0.001 U	0.001 U	2.93	0.00209	0.001 U	0.00235	0.0398 J	0.001 U	2.17	0.049	0.000341	0.00231
<b>09/21</b>	0.001 U	0.001 U	0.0159	0.001 U	0.001 U	3.82	0.0113	0.00298	0.00161	0.681	0.00229	2.89	0.227	0.000481	0.011
<b>03/22</b>	0.001 U	0.001 U	0.0121	0.001 U	0.001 U	4.48	0.00488 J	0.00116 J	0.00123 J	0.142	0.00163 J	2.51	0.0751	0.000138 J	0.00408 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
0.006	0.00100	0.00100	2	0.00100	0.00100	4.35	0.00771	0.00100	0.00259	0.124	0.00100	2.82	0.0708	0.000431	0.00554

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Total Metals**

	MCL	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)
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.013	
<b>09/10</b>	1.36	0.005 U	0.005 U	6.99	0.005 U	0.005 U	0.00606	
<b>04/11</b>	1.58	0.005 U	0.005 U	5.22	0.005 U	0.005 U	0.008	
<b>09/11</b>	1.39	0.005 U	0.005 U	4.88	0.005 U	0.005 U	0.00794	
<b>03/12</b>	1.66	0.005 U	0.005 U	8.64	0.005 U	0.005 U	0.00753	
<b>09/12</b>	1.74	0.005 U	0.005 U	4.89	0.005 U	0.005 U	0.00694	
<b>03/13</b>	1.83	0.005 U	0.005 U	4.66	0.005 U	0.005 U	0.00721	
<b>09/13</b>	1.47	0.005 U	0.005 U	4.17	0.005 U	0.005 U	0.00981	
<b>03/14</b>	1.59	0.005 U	0.005 U	4.62	0.005 U	0.005 U	0.00716	
<b>09/14</b>	1.47	0.005 U	0.005 U	4.25	0.005 U	0.005 U	0.0113	
<b>03/15</b>	1.4	0.035 U	0.01 U	4.8	0.002 U	0.01 U	0.01 U	
<b>09/15</b>	1.5	0.005 U	0.001 U	4.3	0.001 U	0.005 U	0.005 U	
<b>03/16</b>	1.52	0.002 U	0.0001 U	6.5	0.001 U	0.002 U	0.00374	
<b>08/16</b>	1.32	0.002 U	0.002 U	3.81	0.001 U	0.002 U	0.00381	
<b>03/17</b>	1.5	0.002 U	0.002 U	4.59	0.001 U	0.002 U	0.0143	
<b>09/17</b>	1.43	0.002 U	0.002 U	4.54	0.001 U	0.002 U	0.0105	
<b>04/18</b>	1.43	0.002 U	0.002 U	4.21	0.001 U	0.002 U	0.0118	
<b>09/18</b>	1.44	0.002 U	0.002 U	4.18	0.001 U	0.002 U	0.00397	
<b>04/19</b>	1.15	0.001 U	0.001 U	3.44 B	0.001 U	0.001 U	0.004 U	
<b>08/19</b>	1.15	0.001 U	0.001 U	3.41	0.001 U	0.001 U	0.0063 B	
<b>03/20</b>	1.37	0.001 U	0.001 U	4.12	0.001 U	0.001 U	0.00644	
<b>07/20</b>	1.4	0.001 U	0.001 U	4.36	0.001 U	0.001 U	0.004 U	
<b>03/21</b>	1.24	0.001 U	0.001 U	3.43	0.001 U	0.001 U	0.023	
<b>09/21</b>	1.57	0.001 U	0.001 U	4.1	0.001 U	0.001 U	0.00715	
<b>03/22</b>	1.43 B	0.001 U	0.001 U	3.99	0.001 U	0.001 U	0.00401 J	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Total Metals**

	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)
<b>MCL</b>		0.05			0.002		
<b>08/22</b>	1.47	0.00100 U	0.00100 U	4.17	0.00100 U	0.00100 U	0.00475 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/14</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/14</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/15</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/15</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>08/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>	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 U	1 U	5 U	5 U	5 U	7.7 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
	5	100	80	70	80	700	10000	80	700	10000	80	700	10000	80	700	10000	80	700	10000	80	700	10000	80	700	10000
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	20 U	-	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	5 U	1 U	1 U
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	2 U	1 U	1 U	1 U	-	1 U	1.9	1 U	1 U	1 U	5 U	1 U	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	2 U	1 U	1 U	1 U	-	1 U	3	1 U	1 U	1 U	5 U	1 U	1 U
03/12	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 U	1 U	-	1 U	3.2	1 U	1 U	1 U	5 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	3.27	1 U	1 U	1 U	5 U	1 U	1 U
03/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.57	1 U	1 U	1 U	5 U	1 U	1 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	3.93	1 U	1 U	1 U	5 U	1 U	1 U
09/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.32	1 U	1 U	1 U	5 U	1 U	1 U
03/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.18	1 U	1 U	1 U	5 U	1 U	1 U
09/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.28	1 U	1 U	1 U	5 U	1 U	1 U
03/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.51	1 U	1 U	1 U	5 U	1 U	1 U
08/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.28	1 U	1 U	1 U	5 U	1 U	1 U
03/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.77	1 U	1 U	1 U	5 U	1 U	1 U
09/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.35	1 U	1 U	1 U	5 U	1 U	1 U
04/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	5 U	1 U	1 U
09/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.71	1 U	1 U	1 U	5 U	1 U	1 U
04/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	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 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U
07/20	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 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	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 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	1 U	--	
<b>04/11</b>	1 U	1 U	1 U	
<b>09/11</b>	1 U	1 U	1 U	
<b>03/12</b>	1 U	1 U	1 U	
<b>09/12</b>	5 U	1 U	1 U	
<b>03/13</b>	5 U	1 U	1 U	
<b>09/13</b>	5 U	1 U	1 U	
<b>03/14</b>	5 U	1 U	1 U	
<b>09/14</b>	5 U	1 U	1 U	
<b>03/15</b>	5 U	1 U	1 U	
<b>09/15</b>	5 U	1 U	1 U	
<b>03/16</b>	5 U	1 U	1 U	
<b>08/16</b>	5 U	1 U	1 U	
<b>03/17</b>	5 U	1 U	1 U	
<b>09/17</b>	5 U	1 U	1 U	
<b>04/18</b>	5 U	1 U	1 U	
<b>09/18</b>	5 U	1 U	1 U	
<b>04/19</b>	1 U	1 U	1 U	
<b>08/19</b>	1 U	1 U	1 U	
<b>03/20</b>	1 U	1 U	1 U	
<b>07/20</b>	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>03/21</b>		1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	40	0.2 U	10 U	2.5 U	--	130	0.2 U	--	--	--	--	--	4 U	--	100	--	1535	--
<b>04/11</b>	24	0.2 U	10 U	2.94	--	14	0.2 U	--	--	--	--	--	4 U	--	60	--	151.5	--
<b>09/11</b>	21	0.2 U	10 U	2.89	--	22	0.2 U	--	--	--	--	--	4 U	--	144	--	--	--
<b>03/12</b>	24	0.2 U	6.3	5.28	--	50	0.2 U	--	--	--	--	--	4 U	--	112	--	--	--
<b>09/12</b>	21	0.2 U	10 U	2.76	--	44	0.2 U	--	--	--	--	--	4 U	--	60	--	--	--
<b>03/13</b>	17.2	0.2 U	10 U	2.6	8.34	34	0.2 U	425	5.99	--	43.7	--	4 U	12.05	16	--	--	982
<b>09/13</b>	16	0.2 U	10 U	2.5 U	8.81	16	0.2 U	378	5.49	--	37.1	--	4 U	14.37	126	--	--	982
<b>03/14</b>	17	0.2 U	10 U	2.91	8.89	78	0.2 U	404	5.40	--	30.3	--	4 U	13.08	10	--	--	--
<b>09/14</b>	13.5	0.2 U	10 U	3.1	9.2	38	0.2 U	398	6.13	--	33.1	--	4 U	13.73	74	--	--	1.8
<b>03/15</b>	17	0.2 U	10 U	2.5 U	9.36	30	0.2 U	397	5.98	--	33.4	--	4 U	10.42	74	--	--	38
<b>09/15</b>	18	0.2 U	10 U	2.5 U	5.75	20	0.2 U	374	5.51	--	36	--	4 U	20.15	1 U	--	--	11.1
<b>03/16</b>	15.2	0.2 U	10 U	2.5 U	0	16	0.2 U	388	6.02	--	35	--	4 U	14.07	10 U	--	--	0
<b>09/16</b>	26	0.2 U	10 U	2.58	8.59	20	0.2 U	400	5.68	--	31.5	--	4 U	18.23	43	--	--	11.7
<b>03/17</b>	13.6	0.2 U	10 U	2.5 U	--	34	0.2 U	429	5.70	--	28.9	--	4 U	19.09	10 U	--	--	4.9
<b>09/17</b>	13.8	0.2 U	10 U	2.5 U	8.62	40	0.2 U	411	5.66	--	34.2	--	4 U	15.19	53	--	--	10.7
<b>04/18</b>	15.5	0.2 U	10 U	2.5 U	--	10.8	0.2 U	214	5.95	--	33.3	--	4 U	11.92	32	--	--	7.8
<b>09/18</b>	15.6	0.2 U	10 U	2.52	--	11.8	0.2 U	259	5.68	--	31.4	--	4 U	16.34	26	--	--	8.3
<b>04/19</b>	34.3	0.1 U	3 U	3.2	8.57	20.4	0.2 U	175.9	5.96	6.27	72	77.7	2	13.6	44	18.7	10.3	9.4
<b>07/19</b>	36	0.1 U	9.7	3	8.87	18.1	0.2 U	202.6	5.40	6.31	37.8	76.9	1.1	14.8	61	20.2	14	9.8
<b>03/20</b>	28.9	0.1 U	3 U	2.7	8.43	23.2	0.2 U	260	5.93	6.29	57.1	65.3	1.22	14.9	55	18.8	4.11	6.2
<b>07/20</b>	13.3	0.1 U	8.1	2.7	8.68	13.9	0.2 U	223.2	5.65	6.03	46	41.6	0.58	17.5	49.3	246	20.1	1209.1

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>03/21</b>	22.7	0.1 U	3 U	2.82	9.05	22.8	0.054	238.2	5.66	6.06	46.7	58.7	1.3	19.2	50.5	92.9	50.4	106.9
<b>09/21</b>	15.2	0.05 U	10.3	2.57	8.85	20.4	0.011 U	287.1	5.90	5.85	39.1	43.8	0.3 U	16.3	20 B	1110	64.8	16.5
<b>03/22</b>	20.7	0.02 J	3 U	3.43 J	8.81	18.8	0.013 J	173.5	5.72	5.98	38.9	54.18	0.7 J	13.9	46	1250	137	88.7
<b>08/22</b>	16.4	0.06 J	3.0 U	3.16 J	8.75	35.3	0.057	336.90	5.47	5.92	39.0	52.44	0.5 J	16.6	45.5	2050	101	117.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>07/10</b>	0.001 U	0.0026	0.061	0.0006 J	0.001 U	--	0.047	0.016	0.048	--	0.013	--	--	0.0002 U	0.039	--
<b>09/10</b>	0.005 U	0.005 U	0.144	0.005 U	0.005 U	6.89	0.053	0.041	0.118	61.7	0.0259	20.9	1.08	0.0002 U	0.0816	13
<b>04/11</b>	0.005 U	0.005 U	0.0519	0.005 U	0.005 U	6.1	0.0067	0.0108	0.018	5.99	0.0089	3.68	0.343	0.0002 U	0.0067	1.98
<b>09/11</b>	0.005 U	0.005 U	0.111	0.005 U	0.005 U	11.1	0.00753	0.0188	0.0273	6.67	0.023	7.04	0.629	0.0002 U	--	2.86
<b>03/12</b>	0.005 U	0.005 U	0.223	0.005 U	0.005 U	17.2	0.0815	0.0397	0.122	86.1	0.0435	28.1	1.17	0.0002 U	0.005 U	15
<b>09/12</b>	0.005 U	0.005 U	0.113	0.025 U	0.005 U	10.1	0.05	0.0267	0.0773	44.4	0.02	15.6	0.715	0.0002 U	0.005 U	9.8
<b>03/13</b>	0.005 U	0.005 U	0.0487	0.005 U	0.005 U	7.11	0.0277	0.00937	0.0332	17	0.0088	6.68	0.24	0.0002 U	0.005 U	3.99
<b>09/13</b>	0.005 U	0.005 U	0.0332	0.005 U	0.005 U	5.41	0.0133	0.00514	0.0196	11.7	0.005 U	5.37	0.141	0.0002 U	0.005 U	3.03
<b>03/14</b>	0.005 U	0.005 U	0.0367	0.005 U	0.005 U	4.52	0.0121	0.00563	0.0288	10.1	0.0052	5.74	0.172	0.0002 U	0.0126	2.77
<b>09/14</b>	0.005 U	0.005 U	0.058	0.005 U	0.005 U	5.5	0.0206	0.0108	0.028	15.8	0.00963	6.12	0.416	0.0002 U	0.0202	3.56
<b>03/15</b>	0.002 U	0.002 U	0.01 U	0.002 U	0.004 U	3.1	0.01 U	0.01 U	0.0028 J	2.2	0.002 U	1.8	0.059	0.0002 U	0.011 U	1.3
<b>09/15</b>	0.001 U	0.001 U	0.01	0.001 U	0.0005 U	3	0.005 U	0.005 U	0.005 U	2.3	0.001 J	1.9	0.01 U	0.0002 U	0.01 U	1.4
<b>03/16</b>	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.48	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	1.1	0.002 U	0.0002 U	0.002 U	0.765
<b>09/16</b>	0.002 U	0.002 U	0.00365	0.002 U	0.002 U	2.53	0.00206	0.002 U	0.002 U	0.343	0.002 U	1.29	0.0176	0.0002 U	0.002 U	0.876
<b>03/17</b>	0.005 U	0.005 U	0.00938	0.005 U	0.005 U	4.17	0.005 U	0.005 U	0.005 U	0.411	0.005 U	1.83	0.0213	0.0002 U	0.005 U	1
<b>09/17</b>	0.005 U	0.005 U	0.00749	0.005 U	0.005 U	3.79	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	1.74	0.00729	0.0002 U	0.005 U	0.832
<b>04/18</b>	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.47	0.002 U	0.002 U	0.002 U	0.058	0.002 U	1.13	0.00219	0.0002 U	0.002 U	0.846
<b>09/18</b>	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	2.54	0.005 U	0.005 U	0.005 U	0.509	0.005 U	1.32	0.0135	0.0002 U	0.005 U	0.965
<b>04/19</b>	0.001 U	0.001 U	0.00423	0.001 U	0.001 U	5.51 B	0.00293	0.001 U	0.001 U	0.281	0.001 U	1.61	0.00947	0.0001 U	0.00186	1.04
<b>07/19</b>	0.001 U	0.00149	0.0152	0.001 U	0.001 U	3.11	0.0533	0.00442	0.0139	7.47	0.00166	2.51	0.281	0.0001 U	0.0351	1.67
<b>03/20</b>	0.001 U	0.001 U	0.00399	0.001 U	0.001 U	6.63	0.00204	0.001 U	0.001 U	0.235	0.001 U	1.61	0.0132	0.0001 U	0.00134	1.06
<b>07/20</b>	0.001 U	0.001 U	0.0075	0.001 U	0.001 U	2.46	0.00628	0.00111	0.00322	1.7	0.001 U	1.9	0.0468	0.0001 U	0.00596	1.3
<b>03/21</b>	0.001 U	0.001 U	0.0114	0.001 U	0.001 U	5.34	0.00468	0.00181	0.00622	2.91	0.00148	2.3	0.0765	0.0001 U	0.00377	1.52
<b>09/21</b>	0.001 U	0.001 U	0.0227	0.001 U	0.001 U	2.93	0.00731	0.00455	0.0113	6.23	0.00306	3.17	0.323	0.0001 U	0.00673	2.45
<b>03/22</b>	0.001 U	0.001 U	0.0209	0.001 U	0.001 U	4.01	0.00412 J	0.00487 J	0.00736 J	2.32	0.00367	2.14	0.351	0.0001 U	0.00288 J	1.48

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Total Metals**

MCL	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);	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
0.006	0.00100 U	0.01	2	0.004	0.005	3.5	0.1	0.0107	0.0262	14.9	0.015	6.45	0.537	0.002	0.0199	4.33

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-3A - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>07/10</b>	0.001 U	0.001 U	--	0.0005 J	0.035	0.09
<b>09/10</b>	0.005 U	0.005 U	7.66	0.005 U	0.0529	0.227
<b>04/11</b>	0.005 U	0.005 U	4.12	0.005 U	0.01	0.0275
<b>09/11</b>	0.005 U	0.005 U	4.19	0.005 U	0.0124	0.0459
<b>03/12</b>	0.005 U	0.005 U	4.33	0.005 U	0.1	0.235
<b>09/12</b>	0.005 U	0.005 U	3.88	0.005 U	0.058	0.159
<b>03/13</b>	0.005 U	0.005 U	4.1	0.005 U	0.022	0.06
<b>09/13</b>	0.005 U	0.005 U	3.81	0.005 U	0.0134	0.0372
<b>03/14</b>	0.005 U	0.005 U	4.24	0.005 U	0.0132	0.041
<b>09/14</b>	0.005 U	0.005 U	3.28	0.005 U	0.0212	0.0639
<b>03/15</b>	0.035 U	0.01 U	3.3	0.002 U	0.01 U	0.0078 J
<b>09/15</b>	0.005 U	0.001 U	3.4	0.001 U	0.005 U	0.0084
<b>03/16</b>	0.002 U	0.002 U	2.93	0.001 U	0.002 U	0.002 U
<b>09/16</b>	0.002 U	0.002 U	3.08	0.001 U	0.002 U	0.00289
<b>03/17</b>	0.005 U	0.005 U	3.84	0.005 U	0.005 U	0.005 U
<b>09/17</b>	0.005 U	0.005 U	3.54	0.005 U	0.005 U	0.0153
<b>04/18</b>	0.002 U	0.002 U	3.32	0.001 U	0.002 U	0.002 U
<b>09/18</b>	0.005 U	0.005 U	3.36	0.005 U	0.005 U	0.0153
<b>04/19</b>	0.001 U	0.001 U	3.69	0.001 U	0.001 U	0.004 U
<b>07/19</b>	0.001 U	0.001 U	3.47	0.001 U	0.00618	0.0173 B
<b>03/20</b>	0.001 U	0.001 U	3.31	0.001 U	0.001 U	0.004 U
<b>07/20</b>	0.001 U	0.001 U	3.76	0.001 U	0.00261	0.00539
<b>03/21</b>	0.001 U	0.001 U	3.38	0.001 U	0.00383	0.014
<b>09/21</b>	0.001 U	0.001 U	3.51	0.001 U	0.00985	0.0227
<b>03/22</b>	0.001 U	0.001 U	3.44	0.001 U	0.00417 J	0.0135

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05		3.8	0.002		
<b>08/22</b>	0.00124	0.00100	U 3.8	0.00100 U	0.0213	0.0588

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
07/10		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
09/10		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
04/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
04/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
04/19		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 U	5 U	5 U	5 U	5.3 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
07/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
		5	100		80		20		80	700	10000				5	10000	100	5	1000	100			5			
07/10		1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
09/10		2 U	2 U	2 U	1.46	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11		1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/11		1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/12		1 U	1 U	1 U	1.8	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 U	1 U	1 U	1 U	1 U	1 U	1 U
09/12		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/13		1 U	1 U	1 U	1.15	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/13		1 U	1 U	1 U	1.64	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/14		1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/14		1 U	1 U	1 U	2.19	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/15		1 U	1 U	1 U	1.44	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/15		1 U	1 U	1 U	1.28	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/16		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/16		1 U	1 U	1 U	1.14	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/17		1 U	1 U	1 U	1.01	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/17		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
04/18		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/18		1 U	1 U	1 U	1.12	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
04/19		1 U	1 U	1 U	2.3	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/19		1 U	1 U	1 U	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	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		1 U	1 U	1 U	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	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>07/20</b>	5	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	100	1 U	1 U	1 U	1.7	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1.6	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1.7	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	--	--
<b>09/10</b>	2 U	--	--
<b>04/11</b>	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U
<b>03/13</b>	1 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U
<b>09/14</b>	1 U	1 U	1 U
<b>03/15</b>	1 U	1 U	1 U
<b>09/15</b>	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U
<b>09/16</b>	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U
<b>07/19</b>	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-3B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL																		
09/10	160	0.2 U	10 U	2.5 U	--	100	0.2 U	--	--	--	--	--	13.5	--	332	--	42	--
04/11	110	0.2 U	22.4	4.59	--	66	0.2 U	--	--	--	--	--	165 J	--	472	--	2130	--
09/11	80	0.2 U	7.6	2.57	--	45	0.2 U	--	--	--	--	--	36.9	--	188	--	--	--
03/12	111	0.2 U	6.7	3.49	--	114	0.2 U	--	--	--	--	--	65.7	--	268	--	--	--
09/12	137	0.2 U	10 U	3.46	--	188	0.2 U	--	--	--	--	--	94.4	--	292	--	--	--
03/13	118	0.2 U	10 U	2.76	7.72	132	0.2 U	433	8.03	--	161.1	--	52.6	13.49	158	--	--	11.3
09/13	123	0.2 U	10 U	3.05	8.33	162	0.2 U	311	7.59	--	221.9	--	43.2	14.3	242	--	--	22.7
03/14	112	0.2 U	10 U	2.63	9.23	130	0.2 U	269	7.11	--	214	--	29.4	14.27	228	--	--	27.8
09/14	105	0.2 U	10 U	2.5 U	7.5	118	0.2 U	311	7.32	--	146.9	--	23.6	15.55	256	--	--	30.1
03/15	94	0.2 U	10 U	2.5 U	7.2	100	0.2 U	390	7.49	--	184.6	--	11.6	7.8	142	--	--	4.4
09/15	81	0.2 U	10 U	2.58	9.02	66	0.2 U	286	7.00	--	184	--	5.74	21.97	63	--	--	3.44
03/16	86	0.2 U	10 U	2.53	0	78	0.2 U	333	7.42	--	191.6	--	10.8	12.96	107	--	--	5.2
09/16	234	0.2 U	10 U	479	4.84	590	0.2 U	360	6.81	--	153	--	65.5	15.34	1240	--	--	0
03/17	91	0.2 U	10 U	2.5 J	5.24	70	0.2 U	410	6.97	--	197.7	--	16.4	14.57	40	--	--	4
09/17	65	0.2 U	10 U	2.76	3.77	72	0.2 U	310	6.94	--	157.6	--	7.33	14.97	104	--	--	2
04/18	78	0.2 U	10 U	2.95	--	67.3	0.2 U	178	7.36	--	151.5	--	11.7	9.19	125	--	--	11.5
09/18	75.7	0.2 U	10 U	2.51	--	59.3	0.2 U	239	6.84	--	177.4	--	11.5	13.6	118	--	--	1.4
04/19	60.5	0.1 U	6	3.1	3.65	41.6	0.2 J	84.7	6.87	6.93	197.5	145	47.5	12.7	100	37.9	8.63	12.8
07/19	42.2	0.1 U	11.5	3.6	6.46	28.5	0.2 U	106.2	6.43	2.14	86	91.4	2.9	20	73	9.2	9.26	16.5
03/20	21	0.1 U	3 U	2.7	8.1	15.3	0.2 U	262.2	5.78	6.25	44.6	47.7	1 U	14.4	48	6.8	3.25	0.7
07/20	22.2	0.1 U	17	2.9	7.8	15.7	0.2 U	156.1	6.45	6.51	100.1	53.6	1.66	17.2	54.3	7.1	4.8	9

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>03/21</b>	21.1	0.1 U	3 U	2.84	9.6	16.3	0.143	154.2	6.67	6.53	56.1	54.1	0.9	14.3	46.5	9.1	4.88	2.13
<b>09/21</b>	134	0.05 U	10.6	2.08	0.94	94.5	0.017	-37.7	7.45	7.18	243.5	251	12.2	15.1	166 B	186	16.2	29.5
<b>03/22</b>	85.1	0.02 U	3 U	3.36 J	2.78	50.6	0.054 J	103.1	7.10	6.84	179.3	197	13.8	7.3	134	34.4	11.8	23.71
<b>08/22</b>	47.3	0.03 J	7.3 J	2.91 J	5.83	23.8	0.082	253.10	6.29	6.70	116.9	97.97	4.9	16.3	74.5	31.4	8.62	8.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002	
07/10	0.0006 J	0.0091	0.21	0.002	0.001 U	--	0.074	0.027	0.086	--	0.049	--	--	0.0002 U	0.064
09/10	0.005 U	0.005 U	0.0943	0.005 U	0.005 U	10.7	0.0246	0.005 U	0.0125	1.33	0.005 U	0.715	0.0395	0.0002 U	0.0266
04/11	0.005 U	0.005 U	0.237	0.005 U	0.005 U	63	0.018	0.027	0.0533	9.62	0.041	10.6	1.26	0.0002 U	0.031
09/11	0.005 U	0.005 U	0.175	0.01 U	0.005 U	57.4	0.0129	0.00643	0.0184	3.89	0.011	5.36	0.276	0.0002 U	--
03/12	0.005 U	0.005 U	0.0994	0.005 U	0.005 U	42.3	0.0409	0.012	0.0403	19.4	0.0138	11.7	0.371	0.0002 U	--
09/12	0.005 U	0.005 U	0.13	0.005 U	0.005 U	61.8	0.184	0.0243	0.105	19.15	0.0163	11.3	0.584	0.0002 U	0.005 U
03/13	0.005 U	0.005 U	0.0643	0.005 U	0.005 U	44.4	0.0478	0.00927	0.0308	8.89	0.00869	7.41	0.33	0.0002 U	0.005 U
09/13	0.005 U	0.005 U	0.12	0.005 U	0.005 U	54.5	0.124	0.0157	0.054	24.9	0.0171	12	0.465	0.000308	0.00605
03/14	0.005 U	0.005 U	0.0491	0.005 U	0.005 U	34.3	0.053	0.00581	0.0258	5.68	0.00773	6.81	0.221	0.0002 U	0.0605
09/14	0.005 U	0.005 U	0.0808	0.005 U	0.005 U	33.3	0.0655	0.0113	0.0467	11.4	0.0134	7.09	0.385	0.0002 U	0.0648
03/15	0.002 U	0.002 U	0.01 U	0.002 U	0.004 U	26	0.01 U	0.01 U	0.01 U	0.24	0.002 U	3.6	0.011	0.0002 U	0.011 U
09/15	0.001 U	0.001 U	0.03	0.001 U	0.0005 U	23	0.005 U	0.005 U	0.005 U	0.13	0.001 U	2.8	0.01 U	0.0002 U	0.01 U
03/16	0.002 U	0.002 U	0.0135	0.002 U	0.002 U	24.5	0.002 U	0.002 U	0.002 U	0.255	0.002 U	3.95	0.0115	0.0002 U	0.002 U
09/16	0.002 U	0.00263	0.304	0.002 U	0.002 U	106	0.00606	0.746	0.00916	3.92	0.002 U	77.4	60.1	0.0002 U	0.082
03/17	0.005 U	0.005 U	0.0146	0.005 U	0.005 U	22.8	0.005 U	0.005 U	0.005 U	0.24	0.005 U	3.73	0.0143	0.0002 U	0.005 U
09/17	0.005 U	0.005 U	0.0209	0.005 U	0.005 U	19.4	0.005 U	0.005 U	0.005 U	0.271	0.005 U	3.34	0.0212	0.0002 U	0.005 U
04/18	0.005 U	0.005 U	0.0193	0.005 U	0.005 U	21.3	0.005 U	0.005 U	0.00502	1.25	0.005 U	3.44	0.0716	0.0002 U	0.00521
09/18	0.002 U	0.002 U	0.00793	0.002 U	0.002 U	18.8	0.00408	0.002 U	0.002 U	0.494	0.002 U	2.96	0.014	0.0002 U	0.002 U
04/19	0.001 U	0.001 U	0.0105	0.001 U	0.001 U	12.1 B	0.00527	0.001 U	0.0014	0.614	0.001 U	2.77	0.0322	0.0001 U	0.00361
07/19	0.001 U	0.001 U	0.0117	0.001 U	0.001 U	7.87	0.0185	0.00124	0.0221	0.584	0.001 U	2.16	0.0216	0.0001 U	0.0114
03/20	0.001 U	0.001 U	0.00458	0.001 U	0.001 U	3.47	0.00201	0.001 U	0.0014	0.218	0.001 U	1.62	0.0102	0.0001 U	0.0012
07/20	0.001 U	0.001 U	0.00615	0.001 U	0.001 U	3.44	0.00651	0.001 U	0.00375	0.242	0.001 U	1.72	0.0118	0.0001 U	0.00554
03/21	0.001 U	0.001 U	0.00701	0.001 U	0.001 U	3.68	0.00107	0.001 U	0.00279	0.234	0.001 U	1.74	0.0169	0.0001 U	0.0015
09/21	0.001 U	0.001 U	0.0126	0.001 U	0.001 U	30.2	0.00557	0.00119	0.00436	1.38	0.00209	4.63	0.0796	0.0001 U	0.00507
03/22	0.001 U	0.0011 J	0.00638 J	0.001 U	0.001 U	16	0.00324 J	0.001 U	0.00482 J	0.222	0.00127 J	2.6	0.027	0.0001 U	0.00178 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
0.006	0.00100	0.00100	2	0.00100	0.00100	6.05	0.00670	0.00100	0.00407	0.475	0.00100	2.1	0.0214	0.000100	0.00448

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Total Metals**

	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	0.05	0.05		0.002			
<b>07/10</b>	--	0.0016	0.001 U	--	0.0008 J	0.056	0.19
<b>09/10</b>	26	0.005 U	0.005 U	56.7	0.005 U	0.0047 J	0.0123
<b>04/11</b>	9.54	0.005 U	0.005 U	107 J	0.005 U	0.0279	0.108
<b>09/11</b>	9.11	0.005 U	0.005 U	41	0.005 U	0.0098	0.0359
<b>03/12</b>	7.83	0.005 U	0.005 U	48.6	0.005 U	0.022	0.0724
<b>09/12</b>	7.26	0.005 U	0.005 U	51.1	0.005 U	0.0216	0.0988
<b>03/13</b>	4.18	0.005 U	0.005 U	36	0.005 U	0.0112	0.0429
<b>09/13</b>	6.49	0.005 U	0.005 U	30.1	0.005 U	0.0233	0.0801
<b>03/14</b>	3.19	0.005 U	0.005 U	19.4	0.005 U	0.00683	0.03
<b>09/14</b>	3.55	0.005 U	0.005 U	17	0.005 U	0.0136	0.0612
<b>03/15</b>	1.5	0.035 U	0.01 U	12	0.002 U	0.01 U	0.01 U
<b>09/15</b>	1.3	0.005 U	0.001 U	9.1	0.001 U	0.005 U	0.005 U
<b>03/16</b>	1.67	0.002 U	0.002 U	11.4	0.001 U	0.002 U	0.002 U
<b>09/16</b>	4.25	0.00249	0.002 U	114	0.001 U	0.00228	0.0415
<b>03/17</b>	1.42	0.005 U	0.005 U	22.4	0.005 U	0.005 U	0.00554
<b>09/17</b>	1.21	0.005 U	0.005 U	11.2	0.005 U	0.005 U	0.0301
<b>04/18</b>	1.67	0.005 U	0.005 U	14.8	0.005 U	0.005 U	0.0336
<b>09/18</b>	1.27	0.002 U	0.002 U	15.1	0.001 U	0.002 U	0.0047
<b>04/19</b>	1.26	0.001 U	0.001 U	13.5	0.001 U	0.00119	0.0104
<b>07/19</b>	1.19	0.001 U	0.001 U	6.37	0.001 U	0.001 U	0.0154 B
<b>03/20</b>	0.931	0.001 U	0.001 U	3.21	0.001 U	0.001 U	0.0113
<b>07/20</b>	0.905	0.001 U	0.001 U	5.36	0.001 U	0.001 U	0.00978
<b>03/21</b>	0.957	0.001 U	0.001 U	4.53	0.001 U	0.001 U	0.0137
<b>09/21</b>	2.38	0.001 U	0.001 U	16.8	0.001 U	0.00279	0.00647
<b>03/22</b>	1.25	0.001 U	0.001 U	20.2	0.001 U	0.00122 J	0.0114

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Total Metals**

	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)
<b>MCL</b>		0.05			0.002		
<b>08/22</b>	1.1	0.00100 U	0.00100 U	11.7	0.00100 U	0.00100 U	0.0124

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>07/10</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/10</b>		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
<b>04/11</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/14</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.32	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/16</b>		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 U	5 U	5 U	5 U	6.17	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		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 U	5 U	5 U	5 U	7.2 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
	5	100	80	20	80	700	10000	20	700	10000	20	20	5	10000	100	5	1000	100	100	5	5	5	5	5	
07/10	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/10	2 U	2 U	2 U	2 U	2 U	2 U	1.11 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
03/12	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 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/14	1 U	1.08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.44	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/15	1 U	1 U	1 U	1 U	1 U	1 U	1.02	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/19	1 U	1 U	1 U	1.1	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	1 U	1 U	1 U	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	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>07/20</b>	5	1 U	1 U	1 U	1.8	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	100	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	--	--
<b>09/10</b>	2 U	--	--
<b>04/11</b>	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U
<b>03/13</b>	1 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U
<b>09/14</b>	1 U	1 U	1 U
<b>03/15</b>	1 U	1 U	1 U
<b>09/15</b>	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U
<b>09/16</b>	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U
<b>07/19</b>	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	70	0.2 U	10 U	106	--	183	0.3756	--	--	--	--	--	4 U	--	552	--	880	--
<b>04/11</b>	60	0.2 U	10 U	138 J	--	200	0.378	--	--	--	--	--	4 U	--	552	--	13.2	--
<b>09/11</b>	52	0.2 U	10 U	120	--	163	0.406	--	--	--	--	--	4 U	--	520	--	--	--
<b>03/12</b>	56	0.2 U	3.1	145	--	188	0.47	--	--	--	--	--	4 U	--	528	--	--	--
<b>09/12</b>	51	0.2 U	10 U	125	--	162	0.444	--	--	--	--	--	4 U	--	428	--	--	--
<b>04/13</b>	55	0.2 U	10 U	141	0.18	186	0.465	364	6.11	--	620.9	--	4.26	13.37	310	--	--	59.7
<b>09/13</b>	55	0.2 U	10 U	128	0.14	170	0.489	300	6.05	--	485.6	--	4.01	15.29	442	--	--	45.2
<b>03/14</b>	65	0.2 U	10 U	147	0.23	206	0.463	284	6.03	--	548.7	--	4.73	11.35	320	--	--	132.6
<b>09/14</b>	51	0.2 U	10 U	139	1.71	194	0.566	253	6.24	--	498.8	--	4.73	15.01	370	--	--	87
<b>03/15</b>	50	0.2 U	10 U	143	0	212	0.621	356	5.96	--	487.3	--	5.37	14.08	442	--	--	13.3
<b>09/15</b>	60	0.2 U	10 U	152	7.7	194	0.507	221	5.92	--	574.2	--	5.12	15.39	320	--	--	0
<b>03/16</b>	54	0.2 U	10 U	154	0	184	0.651	327	5.99	--	524.6	--	5.32	12.99	320	--	--	14.1
<b>08/16</b>	47	0.2 U	10 U	138	--	140	0.655	330	5.86	--	502	--	4.8	16.5	412	--	--	6.5
<b>03/17</b>	47	0.2 U	10 U	148	--	192	0.668	370	5.71	--	499.4	--	5.13	13.86	282	--	--	1.7
<b>09/17</b>	54	0.2 U	10 U	148	0.43	116	0.658	392	6.03	--	589.9	--	5.1	15.17	507	--	--	0.3
<b>04/18</b>	43.2	0.2 U	10 U	145	--	181	0.787	180	5.82	--	497.2	--	4.85	11.57	398	--	--	4.8
<b>09/18</b>	43.5	0.2 U	10 U	148	--	191	0.788	219	5.67	--	550.8	--	4.17	15.88	398	--	--	5.7
<b>04/19</b>	45.6	0.1 U	12.4	156	0.26	187 B	0.8	160.3	5.76	5.95	718	604	5.9	15	482	4.7 U	3.42	5.4
<b>07/19</b>	43.8	0.1 U	11.5	157	0.5	174 B	0.7	199.9	5.77	5.93	529	597	5.9	15.8	475	25.1	11.9	8
<b>03/20</b>	45.2	0.1 U	11.7	150	0.66	205	0.82	135.8	5.60	6.07	739	608	4.85	13	480	336	45.3	51.2
<b>08/20</b>	43	0.1 U	26.6	158	0.68	203	0.68	184.7	5.74	5.83	574	638	4.57	18.1	365	107	33.2	53.8

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>03/21</b>	48	0.1 U	3 U	170	0.07	194	0.662	172.1	5.71	5.92	580	663	5.5	14.8	366	151	16.6	106.9
<b>09/21</b>	55.9	0.05 U	4.8	170	0.27	239	0.677	128	5.64	5.82	654	664	3.8	20.4	254	7920	228	475
<b>03/22</b>	49.8	0.02 U	3 U	175	7.07	229	0.665 J	118.8	5.68	5.89	603	697.4	4.6	13.9	389	711	183	1076
<b>08/22</b>	52.6	0.08 J	16.9	176	0.89	261	0.663	140.60	5.69	5.88	606.0	700.4	4.4	16.7	440	1610	309	960.10

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>07/10</b>	0.001 U	0.0006 J	0.027	0.001 U	0.001 U	--	0.0008 J	0.0011	0.001 U	--	0.001 U	--	--	0.0002 U	0.02	--
<b>09/10</b>	0.005 U	0.005 U	0.228	0.005 U	0.005 U	34.4	0.0261	0.0264	0.037	37.6	0.022	30.9	2.87	0.0002 U	0.0758	12.2
<b>04/11</b>	0.005 U	0.005 U	0.0431	0.005 U	0.005 U	35.5 J	0.005 U	0.005 U	0.005 U	1.21	0.005 U	25.8 J	0.138	0.0002 U	0.0108	3.56
<b>09/11</b>	0.005 U	0.005 U	0.0409	0.005 U	0.005 U	34.5	0.005 U	0.005 U	0.005 U	1.06	0.005 U	22.9	0.104	0.0002 U	--	2.76
<b>03/12</b>	0.005 U	0.005 U	0.0721	0.005 U	0.005 U	40.4	0.00761	0.005 U	0.0145	7.69	0.005 U	25.5	0.549	0.0002 U	0.00846	4.51
<b>09/12</b>	0.005 U	0.005 U	0.0383	0.005 U	0.005 U	33.4	0.005 U	0.005 U	0.005 U	0.889	0.005 U	19.6	0.115	0.0002 U	0.0108	3.01
<b>04/13</b>	0.005 U	0.005 U	0.0383	0.005 U	0.005 U	39.6	0.005 U	0.005 U	0.0133	0.97	0.005 U	22.6	0.175	0.0002 U	0.00593	3.47
<b>09/13</b>	0.005 U	0.005 U	0.0417	0.005 U	0.005 U	35.1	0.005 U	0.005 U	0.005 U	0.786	0.005 U	23.2	0.142	0.0002 U	0.00955	2.53
<b>03/14</b>	0.005 U	0.005 U	0.0483	0.005 U	0.005 U	45.6	0.005 U	0.005 U	0.005 U	1.92	0.005 U	25	0.257	0.0002 U	0.013	3.03
<b>09/14</b>	0.005 U	0.005 U	0.042	0.005 U	0.005 U	35	0.005 U	0.005 U	0.005 U	1.02	0.005 U	21.1	0.123	0.0002 U	0.00764	2.79
<b>03/15</b>	0.002 U	0.002 U	0.034	0.002 U	0.004 U	40	0.01 U	0.01 U	0.01 U	0.7	0.002 U	25	0.091	0.0002 U	0.011 U	3
<b>09/15</b>	0.001 U	0.001 U	0.032	0.001 U	0.0005 U	39	0.005 U	0.005 U	0.005 U	0.22	0.001 U	25	0.12	0.0002 U	0.01 U	2.9
<b>03/16</b>	0.005 U	0.005 U	0.041	0.005 U	0.005 U	43.8	0.005 U	0.005 U	0.005 U	0.726	0.005 U	25.3	0.0726	0.0002 U	0.005 U	3.44
<b>08/16</b>	0.002 U	0.002 U	0.0323	0.002 U	0.002 U	34.5	0.002 U	0.002 U	0.002 U	0.38	0.002 U	20.5	0.0528	0.0002 U	0.002 U	2.53
<b>03/17</b>	0.002 U	0.002 U	0.0326	0.002 U	0.002 U	35.4	0.00214	0.002 U	0.0023	0.234	0.002 U	20.9	0.0448	0.0002 U	0.00205	2.47
<b>09/17</b>	0.002 U	0.002 U	0.0333	0.002 U	0.002 U	38.8	0.002 U	0.002 U	0.002 U	0.252	0.002 U	23.2	0.0924	0.0002 U	0.00489	2.54
<b>04/18</b>	0.002 U	0.002 U	0.0318	0.002 U	0.002 U	37.3	0.002 U	0.002 U	0.00324	0.177	0.002 U	21.4	0.0214	0.0002 U	0.002 U	2.64
<b>09/18</b>	0.005 U	0.005 U	0.0326	0.005 U	0.005 U	39.4	0.005 U	0.005 U	0.005 U	0.119	0.005 U	22.6	0.0185	0.0002 U	0.005 U	2.74
<b>04/19</b>	0.001 U	0.001 U	0.0334	0.001 U	0.001 U	33	0.00273	0.001 U	0.00116	0.566	0.001 U	25.4	0.0227	0.0001 U	0.00172	2.86
<b>07/19</b>	0.001 U	0.001 U	0.0357	0.001 U	0.001 U	32 B	0.00357	0.001 U	0.0114	1.48	0.001 U	23	0.0579	0.0001 U	0.00219	2.85
<b>03/20</b>	0.001 U	0.001 U	0.0451	0.001 U	0.001 U	37.4	0.00647	0.00102	0.001 U	2.76	0.00124	27.1	0.106	0.0001 U	0.00499	3.5
<b>08/20</b>	0.001 U	0.001 U	0.0463	0.001 U	0.001 U	36.1	0.00551	0.00118	0.00235	3.41	0.00123	27.3	0.115	0.0001 U	0.00438	3.45
<b>03/21</b>	0.001 U	0.001 U	0.0474	0.001 U	0.001 U	35.8	0.00524	0.00139	0.00252	3	0.00165	25.4	0.177	0.0001 U	0.00178	3.36
<b>09/21</b>	0.001 U	0.0025	0.18	0.00157	0.001 U	40.6	0.0257	0.0136	0.0204	25.6	0.0152	33.5	1.73	0.000221	0.0314	8.8
<b>03/22</b>	0.001 U	0.001 U	0.0824	0.001 U	0.001 U	45.9	0.0042 J	0.00279 J	0.00411 J	4.72	0.00551	27.8	0.676	0.0001 U	0.00361 J	3.47 B

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
0.006	0.00100	0.01	2	0.004	0.005	46.2	0.1	0.0113	0.0179	20.6	0.015	35.4	1.39	0.002	0.0248	8.08
<b>08/22</b>																

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-4 - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>07/10</b>	0.001 U	0.001 U	--	0.001 U	0.005 U	0.013
<b>09/10</b>	0.005 U	0.005 U	29.4	0.005 U	0.0213	0.138
<b>04/11</b>	0.005 U	0.005 U	30.2 J	0.005 U	0.005 U	0.00782
<b>09/11</b>	0.005 U	0.005 U	29.4	0.005 U	0.005 U	0.00755
<b>03/12</b>	0.005 U	0.005 U	29.7	0.005 U	0.005 U	0.0313
<b>09/12</b>	0.005 U	0.005 U	24.9	0.005 U	0.005 U	0.00689
<b>04/13</b>	0.005 U	0.005 U	30.9	0.005 U	0.005 U	0.00903
<b>09/13</b>	0.005 U	0.005 U	29.6	0.005 U	0.005 U	0.00733
<b>03/14</b>	0.005 U	0.005 U	30.3	0.005 U	0.005 U	0.0103
<b>09/14</b>	0.005 U	0.005 U	28.3	0.005 U	0.005 U	0.0108
<b>03/15</b>	0.035 U	0.01 U	30	0.002 U	0.01 U	0.0056 J
<b>09/15</b>	0.005 U	0.001 U	35	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.005 U	0.005 U	33.3	0.005 U	0.005 U	0.00648
<b>08/16</b>	0.002 U	0.002 U	27.5	0.001 U	0.002 U	0.00223
<b>03/17</b>	0.002 U	0.002 U	28	0.001 U	0.002 U	0.00257
<b>09/17</b>	0.002 U	0.002 U	32.1	0.001 U	0.002 U	0.002 U
<b>04/18</b>	0.002 U	0.002 U	28.9	0.001 U	0.002 U	0.00583
<b>09/18</b>	0.005 U	0.005 U	29.5	0.005 U	0.005 U	0.005 U
<b>04/19</b>	0.001 U	0.001 U	34.4	0.001 U	0.001 U	0.00463
<b>07/19</b>	0.001 U	0.001 U	29.7 B	0.001 U	0.001 U	0.00609
<b>03/20</b>	0.001 U	0.001 U	32.9	0.001 U	0.001 U	0.00904 B
<b>08/20</b>	0.001 U	0.001 U	33	0.001 U	0.00187	0.0144
<b>03/21</b>	0.001 U	0.001 U	30.4	0.001 U	0.0019	0.0114
<b>09/21</b>	0.00327	0.001 U	31.1	0.001 U	0.0153	0.0918
<b>03/22</b>	0.0014 J	0.001 U	31.7	0.001 U	0.00218 J	0.0138

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill  
Monitoring Location MW-4 - Total Metals

	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	0.05			0.002		
08/22	0.00447 J	0.00100 U	34.5	0.00100 U	0.0134	0.0737

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>07/10</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/10</b>		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
<b>04/11</b>		1 U	1 U	1 U	1 U	9.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	9.4	5 U	1.1	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>		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 U	5 U	5 U	5 U	5 U	5 U	2.1	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/14</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U	1 U	1 U	5 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>08/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100		80		70			80	700	10000				5	10000	100	5	1000	100		5		
07/10	1 U	1 U	1 U	1 U	1 U	1 U	0.5 J	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	1 U	5.6	1 U	1 U	2.9	13	1 U	--	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.7	1 U	5 U	5.6	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	--	1 U	2 U	1 U	2	--	1 U	1.5	1 U	1 U	1 U	1 U	5 U	1.4	14
03/12	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 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
04/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/13	1 U	1 U	1 U	1 U	1 U	1.7	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/15	1 U	1 U	1 U	1 U	1 U	1.25	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	6.07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/16	1 U	1 U	1 U	1 U	1 U	1.18	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
08/16	1 U	1 U	1 U	1 U	1 U	1.04	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/17	1 U	1 U	1 U	1 U	1 U	1.22	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
04/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
04/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/19	1 U	1 U	1 U	1 U	1 U	1.1	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 U	1 U	1 U	1 U	1 U	1 U
03/20	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>08/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	1 U	--	
<b>09/10</b>	2 U	2 U	--	
<b>04/11</b>	1 U	1 U	1 U	
<b>09/11</b>	1 U	3.1	1 U	
<b>03/12</b>	1 U	1 U	1 U	
<b>09/12</b>	5 U	1 U	1 U	
<b>04/13</b>	5 U	1 U	1 U	
<b>09/13</b>	5 U	1 U	1 U	
<b>03/14</b>	5 U	1 U	1 U	
<b>09/14</b>	5 U	1 U	1 U	
<b>03/15</b>	5 U	1 U	1 U	
<b>09/15</b>	5 U	1 U	1 U	
<b>03/16</b>	5 U	1 U	1 U	
<b>08/16</b>	5 U	1 U	1 U	
<b>03/17</b>	5 U	1 U	1 U	
<b>09/17</b>	5 U	1 U	1 U	
<b>04/18</b>	5 U	1 U	1 U	
<b>09/18</b>	5 U	1 U	1 U	
<b>04/19</b>	1 U	1 U	1 U	
<b>07/19</b>	1 U	1 U	1 U	
<b>03/20</b>	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-6 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/10</b>	260	0.2 U	10 U	222	--	430	0.0757 J	--	--	--	--	--	54.1	--	1080	--	5300	--
<b>04/11</b>	264	0.2 U	17.3	200	--	1720	0.2 U	--	--	--	--	--	58.7	--	868	--	1540	--
<b>09/11</b>	214	0.2 U	10 U	226	--	430	0.2 U	--	--	--	--	--	45.2	--	1036	--	--	--
<b>03/12</b>	238	0.2 U	10 U	243	--	470	0.2 U	--	--	--	--	--	43.4	--	976	--	--	--
<b>09/12</b>	197	0.2 U	10 U	255	--	452	0.2 U	--	--	--	--	--	47.4	--	776	--	--	--
<b>03/13</b>	216	0.2 U	10 U	258	0.13	472	0.2 U	297	6.17	--	1.352	--	48	12.62	644	--	--	270
<b>09/13</b>	--	--	--	--	1.09	410	--	152.1	5.90	--	938	--	--	16.6	--	--	4.6	4.8
<b>09/13</b>	183	0.2 U	10 U	304	0.19	500	0.2 U	439	5.62	--	1248	--	50	16.17	878	--	--	2651
<b>09/13</b>	--	--	--	--	4.46	430	--	169	5.98	--	1.246	--	--	14.55	--	--	3400	114
<b>03/14</b>	208	0.2 U	10 U	282	4.05	500	0.2 U	280	6.09	--	1214	--	62.1	14.43	718	--	--	589
<b>09/14</b>	201	0.2 U	10 U	411	1.13	632	0.2 U	324	5.85	--	1557	--	70.6	16.97	96	--	--	129.6
<b>03/15</b>	201	0.2 U	10 U	372	0	104	0.2 U	292	6.55	--	1320	--	77.2	16.76	926	--	--	11.2
<b>08/15</b>	197	0.2 U	10 U	409	--	800	0.2 U	225	6.01	--	1004	--	70.7	19.25	1022	--	--	6.4
<b>03/16</b>	247	0.2 U	10 U	407	2.98	710	0.2 U	166	6.27	--	1730	--	70.1	15.29	978	--	--	2.2
<b>09/16</b>	80	0.2 U	10 U	3.61	--	70	0.2 U	236	5.66	--	1844	--	7.46	26.21	98	--	--	15.6
<b>03/17</b>	210	0.2 U	10 U	443	--	630	0.2 U	376	5.97	--	1667	--	53.8	15.28	1060	--	--	9
<b>09/17</b>	243	0.2 U	10 U	456	--	1300	0.2 U	349	5.99	--	1849	--	57.4	17.82	1140	--	--	3.5
<b>04/18</b>	250	0.2 U	10.4	533	--	521	0.2 U	68	6.00	--	1898	--	40.2	14.82	1080	--	--	7.1
<b>09/18</b>	250	0.2 U	10 U	545	--	545	0.2 U	18	5.99	--	2243	--	34.1	26.9	1140	--	--	0
<b>04/19</b>	245	0.1 U	12	618	0.08	653 B	0.2 U	86.8	5.86	6.03	2830	2390	41.4	17.3	1860	45.7	8.21	5.5
<b>08/19</b>	241	0.1 U	3 U	564	0.19	470	1.7	61.1	5.62	6.12	2.073	2110	41.1	19.2	1440	28.1	4.77	1.72

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>03/20</b>	130	0.38	12.7	455	0.47	484	0.23	43.7	5.71	6.07	2554	1840	39.8	17.1	1180	23.4	45.7	17.1
<b>08/20</b>	211	0.1 U	10.9	503	0.57	525	0.2 U	107.4	6.00	5.90	1982	2160	37.2	20.9	1140	91.1	21	29.8
<b>03/21</b>	240	0.1 U	5.8	488	0.03	462	0.076	12.5	5.87	6.00	2111	2000	32.9	18.5	1130	135	16.9	36.7
<b>09/21</b>	248	0.05 U	31.8	515	0.27	504	0.029	115.3	5.75	5.93	2219	2040	30.8	25.4	1110	276	23.2	41.9
<b>03/22</b>	242	0.32 J	3.2 J	475	0.98	499	0.015 J	97.1	5.82	6.05	1922	1993	26.4	17.4	1110	107	10.9	24.19
<b>08/22</b>	258	0.19 J	13.8	511	0.68	555	0.011 U	60.0	5.80	5.95	2009.00	2084	27.4	21.1	1150	552	10.5	19.50

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>07/10</b>	0.001 U	0.0031	0.28	0.001 U	0.001 U	--	0.0085	0.2	0.011	--	0.0037	--	--	0.0002 U	0.033	--
<b>09/10</b>	0.005 U	0.005 U	0.675	0.007	0.0082	62.6	0.0533	0.33	0.143	69.4	0.0519	57.9	38.9	0.0002 U	0.154	4.92
<b>04/11</b>	0.005 U	0.005 U	0.303	0.005 U	0.005 U	73.9	0.005 U	0.322	0.0157	2.9	0.0101	54.9	54	0.00035	0.0339	2.94
<b>09/11</b>	0.005 U	0.005 U	0.319	0.005 U	0.00656	70.3	0.005 U	0.216	0.0106	0.897	0.011	53.5	37.63	0.0002 U	--	3.71
<b>03/12</b>	0.005 U	0.005 U	0.365	0.005 U	0.00618	78.7	0.00728	0.374	0.0243	4.76	0.0137	56.3	44.4	0.0002 U	0.0339	3.63
<b>09/12</b>	0.005 U	0.005 U	0.433	0.005 U	0.00888	72.8	0.0229	0.343	0.0414	17.9	0.00953	53.1	37.6	0.0002 U	0.0342	4.19
<b>03/13</b>	0.005 U	0.005 U	0.259	0.005 U	0.005 U	76.3	0.00506	0.388	0.0133	3.47	0.005 U	54.9	48	0.0002 U	0.0344	3.77
<b>09/13</b>	0.005 U	0.0025	0.3	0.001 U	0.001 U	76	0.001 U	0.34	0.0026	10 U	0.001 U	54	40	0.0002 U	--	3.5
<b>09/13</b>	0.005 U	0.005 U	0.301	0.005 U	0.005 U	79.8	0.00639	0.263	0.0149	7.65	0.00541	56.7	40	0.0002 U	0.0349	4
<b>09/13</b>	0.005 U	0.032	0.39	0.0013	0.001 U	78	0.012	0.35	0.054	17	0.025	58	37	0.00014 J	--	3.8
<b>03/14</b>	0.005 U	0.005 U	0.3	0.005 U	0.005 U	80.1	0.0118	0.281	0.0157	8.65	0.00552	56.3	44.7	0.0002 U	0.0409	3.35
<b>09/14</b>	0.005 U	0.005 U	0.393	0.005 U	0.005 U	90.2	0.005 U	0.466	0.00913	2.39	0.005 U	65	54.3	0.0002 U	0.0532	3.97
<b>03/15</b>	0.002 U	0.002 U	0.31	0.002 U	0.004 U	83	0.57	0.59	0.017	8.3	0.002 U	60	48	0.0002 U	0.57	3.5
<b>08/15</b>	0.001 U	0.0011	0.32	0.001 U	0.0005 U	84	0.53	0.46	0.011	3.3	0.001 U	59	50	0.0002 U	0.56	3.9
<b>03/16</b>	0.002 U	0.002 U	0.332	0.002 U	0.0023	95.9	0.002 U	0.554	0.00334	27.3	0.002 U	71.5	58.1	0.0002 U	0.0511	3.29
<b>09/16</b>	0.002 U	0.002 U	0.0158	0.002 U	0.002 U	19.5	0.00311	0.002 U	0.002 U	0.2 U	0.002 U	2.82	0.0131	0.0002 U	0.002 U	1.17
<b>03/17</b>	0.002 U	0.00314	0.317	0.002 U	0.002 U	96.7	0.00343	0.57	0.0216	0.798	0.002 U	66.9	45.5	0.0002 U	0.0684	4.08
<b>09/17</b>	0.002 U	0.002 U	0.418	0.002 U	0.00242	109	0.00316	0.597	0.00307	0.723	0.002 U	79.3	61.2	0.0002 U	0.0654	4.22
<b>04/18</b>	0.002 U	0.02 U	0.35	0.002 U	0.002 U	93.1	0.02 U	0.568	0.02 U	3.85	0.002 U	70.2	65.6	0.0002 U	0.0576	5.52
<b>09/18</b>	0.002 U	0.002 U	0.34	0.002 U	0.002 U	98.6	0.00366	0.786	0.0337	22.7	0.002 U	72.6	3.47	0.0002 U	0.0776	2.35
<b>04/19</b>	0.001 U	0.001 U	0.463	0.001 U	0.001 U	110	0.00591	0.838	0.00719	4.75 B	0.001 U	91.7	75	0.000132	0.1	4.89
<b>08/19</b>	0.001 U	0.001 U	0.382	0.001 U	0.001 U	75.6	0.00658	0.707	0.00287	3.63	0.001 U	68.4	64.8	0.0001 U	0.0811	4.35
<b>03/20</b>	0.001 U	0.001 U	0.358	0.001 U	0.001 U	76.5	0.00176	0.734	0.00496	14.1	0.001 U	71.2	52.4	0.0001 U	0.0808	4.33
<b>08/20</b>	0.001 U	0.001 U	0.415	0.001 U	0.001 U	82.7	0.00346	0.76	0.00335	3.68	0.001 U	77.3	56.9	0.0001 U	0.0885	4.57
<b>03/21</b>	0.001 U	0.001 U	0.348	0.001 U	0.001 U	76	0.00156	0.586	0.00727	1.86	0.001 U	66.2	41.3	0.0001 U	0.0784	3.87

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/21</b>	0.001 U	0.001 U	0.429	0.001 U	0.001 U	80.6	0.00302	0.638	0.00623	4.87	0.001 U	73.4	42.9	0.0001 U	0.0834	4.74
<b>03/22</b>	0.001 U	0.001 U	0.372	0.001 U	0.001 U	84.6	0.00209	10.676	0.00462	13.34	0.001 U	69.8	42.7	0.0001 U	0.0946	4.27
<b>08/22</b>	0.00100 U	0.00100 U	0.405	0.00100 U	0.00100 U	89.4	0.00259	10.742	0.00474	4.86	0.00100 U	80.6	48.3	0.000100 U	0.0944	4.47

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

	MCL	Selenium, Total (mg/L)		Silver, Total (mg/L)		Sodium, Total (mg/L)		Thallium, Total (mg/L)		Vanadium, Total (mg/L)		Zinc, Total (mg/L)
	0.05							0.002				
<b>07/10</b>		0.0012	0.001 U	--	0.001 U	0.0067				0.068		
<b>09/10</b>		0.0429	0.005 U	56.2	0.005 U	0.0531				0.5		
<b>04/11</b>		0.0113	0.005 U	63.1	0.005 U	0.005 U				0.0516		
<b>09/11</b>		0.00983	0.005 U	61.2	0.0001	0.005 U				0.0487		
<b>03/12</b>		0.00963	0.005 U	70.9	0.005 U	0.0054				0.0616		
<b>09/12</b>		0.0151	0.005 U	59.6	0.005 U	0.0149				0.136		
<b>03/13</b>		0.00839	0.005 U	65.3	0.005 U	0.005 U				0.0515		
<b>09/13</b>		0.00058	0.001 U	65	0.001 U	0.005 U				2 U		
<b>09/13</b>		0.0133	0.005 U	66	0.005 U	0.005 U				0.0561		
<b>09/13</b>		0.0038	0.001 U	65	0.001 U	0.014				0.14		
<b>03/14</b>		0.00843	0.005 U	64.3	0.005 U	0.00508				0.0627		
<b>09/14</b>		0.00837	0.005 U	89.8	0.005 U	0.005 U				0.0456		
<b>03/15</b>		0.35 U	0.01 U	76	0.002 U	0.01 U				0.048		
<b>08/15</b>		0.005 U	0.001 U	95	0.001 U	0.005 U				0.045		
<b>03/16</b>		0.00568	0.0001 U	101	0.001 U	0.002 U				0.0253		
<b>09/16</b>		0.002 U	0.002 U	10.4	0.001 U	0.002 U				0.00357		
<b>03/17</b>		0.00205	0.002 U	107	0.001 U	0.00225				0.0424		
<b>09/17</b>		0.00572	0.002 U	123	0.001 U	0.002 U				0.0337		
<b>04/18</b>		0.02 U	0.002 U	106	0.001 U	0.02 U				0.0279		
<b>09/18</b>		0.002 U	0.002 U	105	0.001 U	0.002 U				0.0501		
<b>04/19</b>		0.0118	0.001 U	199	0.001 U	0.001 U				0.0574 B		
<b>08/19</b>		0.00969	0.001 U	171	0.001 U	0.001 U				0.0381 B		
<b>03/20</b>		0.00547	0.001 U	167	0.001 U	0.001 U				0.0385		
<b>08/20</b>		0.00692	0.001 U	174	0.001 U	0.001 U				0.045		
<b>03/21</b>		0.00532	0.001 U	157	0.001 U	0.001 U				0.0391		

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>09/21</b>	0.00603	0.001 U	182	0.001 U	0.001 U	0.0429
<b>03/22</b>	0.0053 J	0.001 U	196	0.001 U	0.001 U	0.0355
<b>08/22</b>	0.00597 J	0.00100 U	199	0.00100 U	0.00100 U	0.0362

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)
	200			5	5	5		0.2	0.05	600	5	5	75					5		80	80		
07/10	1 U	1 U	1 U	1 U	7	1 U	1 U	10 U	1 U	1	2	1 U	10	10 U	5 U	5 U	5 U	10 U	1	1 U	1 U	5 U	1 U
09/10	2 U	2 U	2 U	2 U	6.86	2 U	2 U	2 U	2 U	2 U	1.84	2.37	6.64	2 U	2 U	2 U	2 U	0.74	2 U	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/12	1 U	1 U	1 U	1 U	3.3	1 U	1 U	1 U	1 U	0.85	1 U	1 U	7	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.24	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/13	1 U	1 U	1 U	1 U	2.79	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.15	4.53	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.99	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/14	1 U	1 U	1 U	1 U	2.03	1 U	1 U	1 U	1 U	--	1 U	1 U	4.99	5 U	5 U	5 U	5 U	1 U	--	1 U	1 U	1 U	1 U
09/14	1 U	1 U	1 U	1 U	1.68	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.42	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15	1 U	1 U	1 U	1 U	1.24	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.27	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/15	1 U	1 U	1 U	1 U	1.15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.92	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/16	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.43	5 U	5 U	5 U	11.6	5 U	1 U	1 U	1 U	1 U	1 U
09/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.34	5 U	5 U	5 U	8.84	5 U	1 U	1 U	1 U	1 U	1 U
03/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.63	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.38	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.78	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.3	5 U	5 U	5 U	13.7	5 U	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.8	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.6	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	5.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	4.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	6.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	5.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

	MCL	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100	80	70	80	700	10000							5	10000	100	5	1000	100			5		
<b>07/10</b>	1 U	1 U	7	1	1 U	1 U	41	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	5 U	2	1 U
<b>09/10</b>	5 U	2 U	5.77	2 U	2 U	2 U	33.2	2 U	2 U	2 U	4 U	2 U	5.16	2 U	0.56	2 U	2 U	2 U	2 U	2 U	2.63	2 U	2 U	1.19	2 U
<b>04/11</b>	1 U	1 U	7.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/11</b>	1 U	1 U	6.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	2.2	1 U	5 U	1 U	1 U
<b>03/12</b>	1 U	1 U	6.3	1 U	1 U	1 U	23	1 U	1 U	1 U	--	1 U	3.3	1 U	1 U	--	1 U	1 U	1 U	1 U	1.2	1 U	5 U	1	1 U
<b>09/12</b>	5 U	1 U	6.56	1 U	1 U	1 U	18.1	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	5 U	1 U	5.03	1 U	1 U	1 U	15.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.01	1 U	5 U	1 U	1 U
<b>09/13</b>	5 U	1 U	4.03	1 U	1 U	1 U	15.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.26	1 U
<b>03/14</b>	5 U	1 U	4.94	1 U	1 U	1 U	11.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/14</b>	5 U	1 U	6.19	1 U	1 U	1 U	11.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>	5 U	1 U	5.17	1 U	1 U	1 U	11.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>08/15</b>	5 U	1 U	7.9	1 U	1 U	1 U	12.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>	5 U	1 U	8.02	1 U	1 U	1 U	13.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/16</b>	5 U	1 U	3.75	1 U	1 U	1 U	7.86	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/17</b>	5 U	1 U	6.67	1 U	1 U	1 U	10.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/17</b>	5 U	1 U	5.82	1 U	1 U	1 U	6.92	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/18</b>	5 U	1 U	4.6	1 U	1 U	1 U	6.41	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>	5 U	1 U	4.03	1 U	1 U	1 U	3.71	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>	1 U	1 U	7.3	1 U	1 U	1 U	4.7	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 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	1 U	1 U	8.4	1 U	1 U	1 U	5.5	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 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	9.2	1 U	1 U	1 U	4.9	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 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

	MCL	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100		80		70		80	700	10000				5	10000	100	5	1000	100			5		
<b>08/20</b>		1 U	1 U	9.5	1 U	1 U	1 U	4.1	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 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	8.1	1 U	1 U	1 U	2.8	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 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	10.1	1 U	1 U	1 U	2.3	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 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	9.7	1 U	1 U	1 U	2.7	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 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	8.0	1.0 U	1.0 U	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	7	--	
<b>09/10</b>	2 U	2 U	--	
<b>04/11</b>	1 U	1 U	1 U	
<b>09/11</b>	1 U	1 U	1 U	
<b>03/12</b>	1 U	2	1 U	
<b>09/12</b>	5 U	1 U	1 U	
<b>03/13</b>	5 U	1.65	1 U	
<b>09/13</b>	5 U	1 U	1 U	
<b>03/14</b>	5 U	1 U	1 U	
<b>09/14</b>	5 U	1.62	1 U	
<b>03/15</b>	5 U	1.38	1 U	
<b>08/15</b>	5 U	1.42	1 U	
<b>03/16</b>	5 U	1.41	1 U	
<b>09/16</b>	5 U	1 U	1 U	
<b>03/17</b>	5 U	1 U	1 U	
<b>09/17</b>	5 U	1 U	1 U	
<b>04/18</b>	5 U	1 U	1 U	
<b>09/18</b>	5 U	1 U	1 U	
<b>04/19</b>	1 U	1 U	1 U	
<b>08/19</b>	1 U	1.3	1 U	
<b>03/20</b>	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	90	0.2 U	12.6	131	--	650	10.35	--	--	--	--	--	13.1	--	648	--	11.1	--
<b>04/11</b>	42	0.2 U	15	119 J	--	219	14.59	--	--	--	--	--	12.4 J	--	552	--	6.06	--
<b>09/11</b>	69	0.2 U	15.1	117	--	241	18.45	--	--	--	--	--	11.7	--	788	--	--	--
<b>03/12</b>	42	0.2 U	14.6	70.3	--	198	29.09	--	--	--	--	--	5.6	--	528	--	--	--
<b>09/12</b>	31	0.2 U	10 U	108	--	216	22.65	--	--	--	--	--	11	--	560	--	--	--
<b>03/13</b>	68	0.2 U	21.2	118	0.17	238	15.0122	461	5.79	--	693.4	--	5.66	13.94	420	--	--	0.8
<b>09/13</b>	48	0.2 U	10 U	117	0.46	212	15.75	375	5.57	--	580.1	--	7.76	16.96	524	--	--	3.7
<b>03/14</b>	139	0.265	23.7	123	0.05	294	6.206	234	5.55	--	667.6	--	10.5	16.72	442	--	--	6.09
<b>09/14</b>	259	0.377	35.8	166	1.25	418	2.17	75	6.27	--	1005	--	21	16.58	650	--	--	10.1
<b>03/15</b>	62	0.2 U	10 U	124	2.59	210	4.2	387	5.81	--	174.4	--	21.4	11.87	398	--	--	0
<b>08/15</b>	128	0.2 U	25.2	128	2.24	266	5.38	318	5.93	--	640.3	--	26.8	27.49	392	--	--	0
<b>03/16</b>	254	0.2 U	34.4	194	0	440	1.04	154	5.95	--	979.3	--	21.2	17	600	--	--	0
<b>09/16</b>	105	0.2 U	10 U	85.1	--	114	1.84	249	5.41	--	540.4	--	34.9	23.22	358	--	--	0
<b>03/17</b>	290	0.2 U	25	189	--	126	0.254	249	5.95	--	920.7	--	23.8	15.42	578	--	--	1.6
<b>09/17</b>	384	1.32	40.8	222	0.04	450	0.317	95	6.15	--	1417	--	19.2	18.16	779	--	--	8.7
<b>03/18</b>	395	0.319	37.6	235	--	700	0.367	31	6.07	--	1293	--	22.1	14.63	779	--	--	8.2
<b>09/18</b>	260	0.46	27.2	167	--	416	0.2 U	-35	5.87	--	1025	--	27.3	18.45	582	--	--	7.7
<b>04/19</b>	284	1.05	48	118	0.23	284	0.2 U	-80.8	5.96	6.31	1109	863	21.8	19.7	572	5.7	18.1	9.8
<b>08/19</b>	344	1.24	51.9	188	0.09	400	0.2 U	-35.5	5.70	6.14	1.199	1210	34.1	17.7	800	6.2	10.1	0.1
<b>03/20</b>	131	0.3	18.7	69.4	0.44	199	2.42	214.3	5.71	5.90	641	610	66	18.9	362	2.4	1.42	1.9
<b>08/20</b>	200	0.97	56.6	162	0.57	360	0.2 U	103.4	6.03	6.10	933	1120	54.3	20.6	646	20.4	10.9	43.8

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>03/21</b>	279	0.22	30	85.8	2.97	289	2.91	53.1	6.30	6.46	847	884	46.4	18.2	519	64.2	8.37	30.7
<b>08/21</b>	198	0.44	29.5	101	0.58	252	0.489	91.5	6.20	6.04	771	760	90.3	21.1	309	6.6	3.13	7.4
<b>04/22</b>	169	0.3 J	14.5	120	0.87	287	0.456 J	33.2	5.76	5.93	843	834.2	60.2	18.6	492	13.1	2.82	8.08
<b>08/22</b>	121	0.17 J	31.6	87.0	0.65	196	0.539	67.20	5.59	5.74	601.0	619.2	53.5	20.3	364	5.0	3.23	8.10

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>08/10</b>	0.001 U	0.0012	0.08	0.001 U	0.001 U	--	0.0018	0.016	0.018	--	0.001 U	--	--	0.0002 U	0.0099	--
<b>09/10</b>	0.005 U	0.005 U	0.0666	0.005 U	0.005 U	46.7	0.005 U	0.0066	0.016	0.69	0.005 U	23.2	2.01	0.0002 U	0.0157	3.16
<b>04/11</b>	0.005 U	0.005 U	0.0674	0.005 U	0.005 U	46.5 J	0.005 U	0.005 U	0.01	0.517	0.005 U	28.1 J	0.761	0.0002 U	0.0064	3.81
<b>09/11</b>	0.005 U	0.005 U	0.0636	0.01 U	0.005 U	55.2	0.005 U	0.005 U	0.0084	0.5 U	0.005 U	31.5	0.562	0.0002 U	--	3.36
<b>03/12</b>	0.005 U	0.005 U	0.058	0.005 U	0.005 U	41.7	0.005 U	0.0065	0.0115	0.478	0.005 U	25.7	0.681	0.0002 U	0.00593	3.09
<b>09/12</b>	0.005 U	0.005 U	0.0631	0.005 U	0.005 U	44.5	0.005 U	0.00727	0.013	0.413	0.005 U	24.7	0.34	0.0002 U	0.00772	3.8
<b>03/13</b>	0.005 U	0.005 U	0.0635	0.005 U	0.005 U	48.9	0.005 U	0.005 U	0.0172	0.391	0.005 U	27.6	1.3	0.0002 U	0.00687	4.23
<b>09/13</b>	0.005 U	0.005 U	0.0732	0.005 U	0.005 U	45.4	0.005 U	0.005 U	0.011	0.29	0.005 U	27.7	1.22	0.0002 U	0.00684	2.82
<b>03/14</b>	0.005 U	0.005 U	0.0659	0.005 U	0.005 U	55.6	0.005 U	0.01	0.0111	3.31	0.005 U	28.7	1.88	0.0002 U	0.00771	3.81
<b>09/14</b>	0.005 U	0.005 U	0.102	0.005 U	0.005 U	81.6	0.005 U	0.0103	0.0148	2.23	0.005 U	44.1	5.81	0.0002 U	0.00894	4.17
<b>03/15</b>	0.002 U	0.002 U	0.058	0.002 U	0.004 U	40	0.01 U	0.01 U	0.0068 J	0.005 U	0.002 U	23	0.95	0.0002 U	0.011 U	2.8
<b>08/15</b>	0.001 U	0.001 U	0.069	0.001 U	0.0005 U	57	0.005 U	0.0094	0.0096	0.13	0.001 U	29	2.2	0.0002 U	0.01 U	3.8
<b>03/16</b>	0.005 U	0.005 U	0.103	0.005 U	0.005 U	98	0.005 U	0.0136	0.0121	3.83	0.005 U	53.4	1.83	0.0002 U	0.00856	5.69
<b>09/16</b>	0.002 U	0.002 U	0.0599	0.002 U	0.002 U	40.2	0.002 U	0.0121	0.00506	1.6	0.002 U	21.9	1.49	0.0002 U	0.00516	2.94
<b>03/17</b>	0.002 U	0.00246	0.0921	0.002 U	0.002 U	98.1	0.00677	0.0159	0.0129	2.36	0.002 U	50.6	1.92	0.0002 U	0.00988	4.08
<b>09/17</b>	0.005 U	0.005 U	0.11	0.005 U	0.005 U	127	0.005 U	0.0132	0.01	6.31	0.005 U	64.7	3.4	0.0002 U	0.00717	4.62
<b>03/18</b>	0.005 U	0.005 U	0.111	0.005 U	0.005 U	148	0.005 U	0.0114	0.00714	1.98	0.005 U	70.8	3.18	0.0002 U	0.0102	5.22
<b>09/18</b>	0.005 U	0.005 U	0.0918	0.005 U	0.005 U	93.2	0.005 U	0.0153	0.00952	4.1	0.005 U	44.5	2.71	0.0002 U	0.0115	4.11
<b>04/19</b>	0.001 U	0.001 U	0.225	0.001 U	0.001 U	52	0.00348	0.0443	0.00821	19.5	0.001 U	37.4	20.1 J	0.0001 U	0.00819	3.99
<b>08/19</b>	0.001 U	0.001 U	0.146	0.001 U	0.001 U	73.6	0.00123	0.0764	0.0264	4.31	0.001 U	52.4	19.6	0.0001 U	0.0111	4.33
<b>03/20</b>	0.001 U	0.001 U	0.0669	0.001 U	0.001 U	38.2	0.00469	0.0235	0.00384	0.181	0.001 U	25.2	2.28	0.0001 U	0.00963	3.22
<b>08/20</b>	0.001 U	0.001 U	0.106	0.001 U	0.001 U	69	0.00374	0.0886	0.0219	1.75	0.001 U	45.5	6.51	0.0001 U	0.0171	4.58
<b>03/21</b>	0.001 U	0.001 U	0.0842	0.001 U	0.001 U	56.4	0.0052	0.00804	0.0264	0.745	0.001 U	36	0.085	0.0001 U	0.00665	3.89
<b>08/21</b>	0.001 U	0.001 U	0.0824	0.001 U	0.001 U	50.1	0.00302	0.0112	0.00586	0.999	0.001 U	30.9	2.35	0.0001 U	0.00676	3.71
<b>04/22</b>	0.001 U	0.001 U	0.0892	0.001 U	0.001 U	61.5	0.00291 J	0.0169	0.00397 J	2.74	0.001 U	32.3	1.02	0.0001 U	0.00764 J	3.81

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-7 - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
0.006	0.00100 U	0.01	2	0.004	0.005	39.6	0.1	0.0122	0.00465	1.56	0.015	23.5	2.13	0.002	0.00885 J	3.06

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-7 - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/10</b>	0.001 U	0.001 U	--	0.001 U	0.005 U	0.013
<b>09/10</b>	0.005 U	0.005 U	33.4	0.005 U	0.005 U	0.0246
<b>04/11</b>	0.005 U	0.005 U	32.6 J	0.005 U	0.005 U	0.0119
<b>09/11</b>	0.005 U	0.005 U	31.7	0.005 U	0.005 U	0.0106
<b>03/12</b>	0.005 U	0.005 U	22.7	0.005 U	0.005 U	0.0148
<b>09/12</b>	0.005 U	0.005 U	23.1	0.005 U	0.005 U	0.014
<b>03/13</b>	0.005 U	0.005 U	24.1	0.005 U	0.005 U	0.00977
<b>09/13</b>	0.005 U	0.005 U	24.7	0.005 U	0.005 U	0.00991
<b>03/14</b>	0.005 U	0.005 U	25.7	0.005 U	0.005 U	0.00955
<b>09/14</b>	0.005 U	0.005 U	48.2	0.005 U	0.005 U	0.0118
<b>03/15</b>	0.035 U	0.01 U	28	0.002 U	0.01 U	0.01 U
<b>08/15</b>	0.005 U	0.001 U	43	0.001 U	0.005 U	0.011
<b>03/16</b>	0.005 U	0.005 U	56.1	0.005 U	0.005 U	0.00708
<b>09/16</b>	0.002 U	0.002 U	33.1	0.001 U	0.002 U	0.00711
<b>03/17</b>	0.00407	0.002 U	49.4	0.001 U	0.002 U	0.0147
<b>09/17</b>	0.005 U	0.005 U	55.1	0.005 U	0.005 U	0.0246
<b>03/18</b>	0.005 U	0.005 U	55.9	0.005 U	0.005 U	0.0308
<b>09/18</b>	0.005 U	0.005 U	43.1	0.005 U	0.005 U	0.0409
<b>04/19</b>	0.001 U	0.001 U	56 B	0.001 U	0.00125	0.00564
<b>08/19</b>	0.001 U	0.001 U	67	0.001 U	0.001 U	0.00793 B
<b>03/20</b>	0.001 U	0.001 U	45	0.001 U	0.001 U	0.0065
<b>08/20</b>	0.001 U	0.001 U	65.3	0.001 U	0.0033	0.0152
<b>03/21</b>	0.001 U	0.001 U	59.1	0.001 U	0.00239	0.00948 B
<b>08/21</b>	0.001 U	0.001 U	52.5	0.001 U	0.00168	0.00577
<b>04/22</b>	0.001 U	0.001 U	53	0.001 U	0.001 U	0.00563 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/22</b>	0.00100 U	0.00100 U	44	0.00100 U	0.00100 U	0.00866 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)
<b>08/10</b>	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	10 U	1 U	1 U	1	1 U	9	10 U	5 U	5 U	5 U	10 U	2	1 U	1 U	5 U	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.73	2 U	2 U	4.74	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/13</b>	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 U	1.69	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	7.54	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U	1 U	1 U
<b>09/14</b>	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 U	10.6	5 U	5 U	5 U	5 U	5 U	1.1	1 U	1 U	1 U	1 U
<b>03/15</b>	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 U	1.22	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>08/15</b>	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 U	3.39	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U	1 U	1.37	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	18.2	5 U	5 U	5 U	28.4	5 U	1.29	1 U	1 U	1 U	1 U
<b>09/16</b>	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 U	2.94	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U	1 U	1.27	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	14.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U	1 U	1.74	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20	5 U	5 U	5 U	5 U	5 U	1.05	1 U	1 U	1 U	1 U
<b>03/18</b>	1 U	1 U	1 U	1 U	1.56	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	18.4	5 U	5 U	5 U	5 U	5 U	1.07	1 U	1 U	1 U	1 U
<b>09/18</b>	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 U	8.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>04/19</b>	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 U	9.4	5 U	5 U	5 U	39	5 U	1.1	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	12.3	5 U	5 U	5 U	12.7	5 U	1.2	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	2.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	7.6	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1.7	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	4	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

	MCL	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100	80	70	80	700	10000							5	10000	100	5	1000	100			5		
08/10	1 U	1 U	3	1 U	1 U	1 U	31	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	5 U	2	1 U
09/10	2 U	2 U	2 U	2 U	2 U	0.58	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	0.54	2 U	2 U	2 U	2 U	2 U	0.52	2 U
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	11	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1.7	--	1 U	3	1 U	1 U	1 U	1 U	5 U	3	1 U
03/12	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 U	1 U	--	1 U	3.2	1 U	1 U	1 U	1 U	5 U	1.3	1 U
09/12	5 U	1 U	1 U	1 U	1 U	1 U	5.12	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	3.56	1 U	1 U	1 U	1 U	5 U	3.58	1 U
03/13	5 U	1 U	1 U	1 U	1 U	1 U	3.38	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	5.26	1 U	1 U	1 U	1 U	5 U	2.21	1 U
09/13	5 U	1 U	1 U	1 U	1 U	1 U	3.45	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	4.39	1 U	1 U	1 U	1 U	5 U	2.62	1 U
03/14	5 U	1 U	1 U	1 U	1 U	1 U	6.65	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	4.64	1 U	1 U	1 U	1 U	5 U	2.37	1 U
09/14	5 U	1 U	3.35	1 U	1 U	1 U	5.18	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.97	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/15	5 U	1 U	1 U	1 U	1 U	1 U	2.05	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	3.79	1 U	1 U	1 U	1 U	5 U	1.37	1 U
08/15	5 U	1 U	1 U	1 U	1 U	1 U	1.54	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.22	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/16	5 U	1 U	4.31	1 U	1 U	1 U	8.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.79	1 U	1 U	2.34	1 U	1 U	1 U	1 U	5 U	2.17	1 U
09/16	5 U	1 U	1 U	1 U	1 U	1 U	7.77	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.02	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/17	5 U	1 U	4.06	1 U	1 U	1 U	8.46	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.36	1 U	1 U	2.02	1 U	1 U	1 U	1 U	5 U	2.1	1 U
09/17	5 U	1 U	5.49	1 U	1 U	1 U	9.23	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.98	1 U	1 U	2.54	42.4	1 U	1 U	1 U	5 U	2.85	1 U
03/18	5 U	1 U	6.24	1 U	1 U	1 U	9.76	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.84	1 U	1 U	2.07	1 U	1 U	1 U	1 U	5 U	2.49	1 U
09/18	5 U	1 U	2.11	1 U	1 U	1 U	7.71	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.31	1 U
04/19	1 U	1 U	2.6	1 U	1 U	1 U	8.8	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 U	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	4.2	1 U	1 U	1 U	6	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 U	1 U	1 U	1 U	1 U	1 U
03/20	1 U	1 U	1 U	1 U	1 U	1 U	4.9	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 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

	MCL	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100		80			70		80	700	10000			5	10000	100	5	1000	100			5		
<b>08/20</b>	1 U	1 U	2.2	1 U	1 U	1 U	1 U	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	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/10</b>	1 U	5	--	
<b>09/10</b>	2 U	2 U	--	
<b>04/11</b>	1 U	1 U	1 U	
<b>09/11</b>	1 U	1 U	1 U	
<b>03/12</b>	1 U	1 U	1 U	
<b>09/12</b>	5 U	1 U	1 U	
<b>03/13</b>	5 U	1 U	1 U	
<b>09/13</b>	5 U	1 U	1 U	
<b>03/14</b>	5 U	1 U	1 U	
<b>09/14</b>	5 U	1.09	1 U	
<b>03/15</b>	5 U	1 U	1 U	
<b>08/15</b>	5 U	1 U	1 U	
<b>03/16</b>	5 U	1.25	1 U	
<b>09/16</b>	5 U	1 U	1 U	
<b>03/17</b>	5 U	1 U	1 U	
<b>09/17</b>	5 U	1.24	1 U	
<b>03/18</b>	5 U	1.07	1 U	
<b>09/18</b>	5 U	1.05	1 U	
<b>04/19</b>	1 U	1.9	1 U	
<b>08/19</b>	1 U	2.4	1 U	
<b>03/20</b>	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-8 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	190	0.726	10 U	190	--	270	7.63	--	--	--	--	--	55	--	696	--	1227	--
<b>04/11</b>	480	1.94	26.3	207	--	600	13.85	--	--	--	--	--	68.5	--	1136	--	22.7	--
<b>09/11</b>	209	0.2 U	6.2	210	--	99	5.65	--	--	--	--	--	72.6	--	1016	--	--	--
<b>03/12</b>	166	0.2 U	11.5	198	--	332	14.79	--	--	--	--	--	67.4	--	776	--	--	--
<b>09/12</b>	178	0.2 U	10 U	223	--	344	9.61	--	--	--	--	--	69	--	712	--	--	--
<b>03/13</b>	175	0.2 U	10 U	172	1.07	302	4.75	306	6.57	--	1.157	--	95.1	14.55	642	--	--	8.7
<b>09/13</b>	89	0.2 U	10 U	197	1	218	5.21	264	6.39	--	907.6	--	57.6	16.75	520	--	--	--
<b>03/14</b>	233	0.2 U	16	142	8.14	412	14.55	290	6.61	--	1121	--	136	14.3	740	--	--	35.2
<b>09/14</b>	187	0.2 U	11.8	160	0.96	316	9.43	262	6.81	--	964.7	--	92.7	15.62	624	--	--	11.6
<b>03/15</b>	266	0.2 U	12.5	134	10.47	444	11.59	312	7.83	--	951.2	--	120	8.54	656	--	--	7.5
<b>08/15</b>	144	0.2 U	10.2	151	2.7	276	9.53	315	6.55	--	879	--	69.3	17.34	483	--	--	2.87
<b>03/16</b>	289	0.2 U	10 J	133	0	468	6.75	206	7.14	--	1123	--	169	14.77	742	--	--	0
<b>08/16</b>	157	0.2 U	13.2	102	--	298	8.22	284	6.64	--	895	--	111	18.99	588	--	--	1.5
<b>03/17</b>	216	0.2 U	10 U	135	--	400	6.84	253	6.90	--	932	--	130	12.92	643	--	--	19.4
<b>09/17</b>	128	0.2 U	10 U	128	--	260	6.82	322	7.03	--	733.2	--	84.6	18.82	528	--	--	410
<b>03/18</b>	45.4	0.2 U	10 U	125	--	170	7.47	148	7.18	--	617.9	--	53.3	14.29	417	--	--	11.8
<b>09/18</b>	346	0.2 U	14.6	91.7	--	412	5.81	89	6.75	--	1111	--	103	16.91	684	--	--	0
<b>04/19</b>	660	1.99	38	112	0.08	670	0.2 U	39.2	6.88	7.05	1814	1480	60.8	10.8	917	2.7	3.18	3.1
<b>08/19</b>	612	1.05	18.9	126	0.11	596	0.2 U	28.5	6.45	6.96	1.435	1470	64.4	14.7	868	2.3 J	2.63	0
<b>03/20</b>	423	0.1 U	16.9	88.7	2.96	526	14.1	109.5	6.87	6.99	1195	1250	59.6	16.1	762	11.6	2.93	7
<b>08/20</b>	257	0.1 U	29.8	19.9	0.51	517	3.25	70.9	6.96	6.91	1183	1360	56.1	18.3	791	539	13.7	20.5

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>	170	0.1 U	20.2	99	0.77	643	3.42	59.9	6.92	7.03	1454	1520	33.7	12.7	846	27.6	4.87	25.6
<b>03/21</b>	170	0.1 U	20.2	99	0.77	643	3.42	59.9	6.92	7.03	1454	1520	33.7	12.7	846	27.6	4.87	25.6
<b>08/21</b>	653	0.05 U	34.6	105	0.87	566	1.99	23.4	7.00	6.99	1432	1340	36.1	23.6	791	95.7	9.19	21.9
<b>04/22</b>	205	0.02 U	3 U	93.6	8.51	251	8.04	75.8	7.71	7.77	706	813.5	36.6	14.1	453	158	8.05	24.5
<b>08/22</b>	462	0.03 J	9.7 J	102	3.17	465	5.77	105.90	7.14	7.21	1006	1174	28.9	16.3	654	33.5	1.81	15.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002	
<b>07/10</b>	0.001 U	0.0041	0.29	0.0032	0.001 U	--	0.071	0.11	0.078	--	0.027	--	--	0.0002 U	0.1
<b>09/10</b>	0.005 U	0.005 U	0.273	0.005 U	0.005 U	59	0.0215	0.0816	0.054	15.1	0.01	36.9	3.46	0.0002 U	0.0534
<b>04/11</b>	0.005 U	0.005 U	0.177	0.005 U	0.005 U	114 J	0.005 U	0.005 U	0.0145	1.69	0.005 U	90.9	0.144	0.0002 U	0.0082
<b>09/11</b>	0.005 U	0.005 U	0.109	0.005 U	0.005 U	76.2	0.005 U	0.005 U	0.0067	0.69	0.005 U	50.2	0.0902	0.0002 U	--
<b>03/12</b>	0.005 U	0.005 U	0.12	0.005 U	0.005 U	70.1	0.005 U	0.005 U	0.00811	1.15	0.005 U	40.5	0.0101	0.0002 U	0.00558
<b>09/12</b>	0.005 U	0.005 U	0.419	0.005 U	0.005 U	67.4	0.0654	0.0838	0.131	46.3	0.027	39.6	2.36	0.0002 U	0.0155
<b>03/13</b>	0.005 U	0.005 U	0.12	0.005 U	0.005 U	67.5	0.005 U	0.005 U	0.0134	0.498	0.005 U	33.9	0.0338	0.0002 U	0.005 U
<b>09/13</b>	0.005 U	0.005 U	0.156	0.005 U	0.005 U	46.9	0.0221	0.005 U	0.0107	1.64	0.005 U	27.1	0.182	0.0002 U	0.0104
<b>03/14</b>	0.005 U	0.005 U	0.111	0.005 U	0.005 U	87.3	0.005 U	0.005 U	0.00694	1.25	0.005 U	46	0.0111	0.0002 U	0.00754
<b>09/14</b>	0.005 U	0.005 U	0.12	0.005 U	0.005 U	64	0.005 U	0.005 U	0.0061	0.485	0.005 U	37.7	0.0108	0.0002 U	0.005 U
<b>03/15</b>	0.002 U	0.002 U	0.089	0.002 U	0.004 U	88	0.014	0.01 U	0.0029 J	0.005 U	0.002 U	48	0.005 U	0.0002 U	0.011 U
<b>08/15</b>	0.001 U	0.001 U	0.094	0.001 U	0.0005 U	56	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U	32	0.01 U	0.0002 U	0.01 U
<b>03/16</b>	0.002 U	0.002 U	0.0856	0.002 U	0.002 U	97.3	0.002 U	0.002 U	0.00228	0.688	0.002 U	52.6	0.00477	0.0002 U	0.0036
<b>08/16</b>	0.002 U	0.002 U	0.0804	0.002 U	0.002 U	56.8	0.002 U	0.002 U	0.00261	0.371	0.002 U	32.8	0.024	0.0002 U	0.00238
<b>03/17</b>	0.005 U	0.005 U	0.0942	0.005 U	0.005 U	79.2	0.005 U	0.00637	0.0179	2.14	0.005 U	41.8	0.192	0.0002 U	0.00965
<b>09/17</b>	0.005 U	0.005 U	0.176	0.005 U	0.005 U	56.2	0.029	0.0368	0.0574	22.5	0.0107	32.2	1.16	0.0002 U	0.0373
<b>03/18</b>	0.005 U	0.005 U	0.0476	0.005 U	0.005 U	38.7	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	18.8	0.0199	0.0002 U	0.005 U
<b>09/18</b>	0.005 U	0.005 U	0.0989	0.005 U	0.005 U	91.1	0.005 U	0.005 U	0.005 U	0.149	0.005 U	44.8	0.00686	0.0002 U	0.005 U
<b>04/19</b>	0.001 U	0.001 U	0.132	0.001 U	0.001 U	109	0.00206	0.0184	0.00535	1.09	0.001 U	96.7	1.34	0.0001 U	0.00694
<b>08/19</b>	0.001 U	0.001 U	0.146	0.001 U	0.001 U	99.6	0.001 U	0.0204	0.00338	0.444	0.001 U	84.2	1.27	0.0001 U	0.00599
<b>03/20</b>	0.001 U	0.001 U	0.1	0.001 U	0.001 U	88.9	0.00359	0.001 U	0.00122	0.147	0.001 U	73.8	0.00543	0.0001 U	0.00439
<b>08/20</b>	0.001 U	0.001 U	0.122	0.001 U	0.001 U	87.5	0.00263	0.00143	0.00404	0.497	0.001 U	72.6	0.0378	0.0001 U	0.00387
<b>03/21</b>	0.001 U	0.001 U	0.119	0.001 U	0.001 U	106	0.00105	0.001 U	0.0022 B	0.122	0.001 U	91.7	0.017	0.0001 U	0.00295
<b>08/21</b>	0.001 U	0.001 U	0.14	0.001 U	0.001 U	94.2	0.0132	0.00284	0.00613	0.737	0.001 U	80.3	0.0599	0.0001 U	0.0124
<b>04/22</b>	0.001 U	0.001 U	0.0599	0.001 U	0.001 U	46.4	0.00444 J	0.001 U	0.00271 J	0.368	0.001 U	32.9	0.00821 J	0.0001 U	0.00432 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
0.006	0.00100 U	0.01	2	0.004	0.005	79.9	0.1	0.00100 U	0.00262	0.0596 J	0.015	64.5	0.00458 J	0.000100 U	0.00380 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Total Metals**

	MCL	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)
<b>07/10</b>	--	0.0007 J	0.001 U	--	0.001 U	0.047	0.28	
<b>09/10</b>	10.4	0.005 U	0.005 U	104	0.005 U	0.0366	0.16	
<b>04/11</b>	19.1 J	0.005 U	0.005 U	139 J	0.005 U	0.005 U	0.0143	
<b>09/11</b>	14	0.005 U	0.005 U	124	0.005 U	0.005 U	0.0109	
<b>03/12</b>	11.8	0.005 U	0.005 U	106	0.005 U	0.005 U	0.0104	
<b>09/12</b>	12.9	0.0076	0.005 U	102	0.01 U	0.0874	0.22	
<b>03/13</b>	13.6	0.005 U	0.005 U	95.7	0.005 U	0.005 U	0.00708	
<b>09/13</b>	8	0.005 U	0.005 U	100	0.005 U	0.005 U	0.0311	
<b>03/14</b>	12.7	0.005 U	0.005 U	78.8	0.005 U	0.005 U	0.00846	
<b>09/14</b>	10.8	0.005 U	0.005 U	91.5	0.005 U	0.005 U	0.00925	
<b>03/15</b>	11	0.035 U	0.01 U	71	0.002 U	0.01 U	0.01 U	
<b>08/15</b>	9.7	0.005 U	0.001 U	85	0.001 U	0.005 U	0.005 U	
<b>03/16</b>	11.9	0.00227	0.002 U	87	0.001 U	0.002 U	0.002 U	
<b>08/16</b>	8.84	0.002 U	0.002 U	69.8	0.001 U	0.002 U	0.00324	
<b>03/17</b>	10.7	0.005 U	0.005 U	82.6	0.005 U	0.00597	0.018	
<b>09/17</b>	9.48	0.005 U	0.005 U	72.2	0.005 U	0.0351	0.112	
<b>03/18</b>	8.66	0.005 U	0.005 U	68.3	0.005 U	0.005 U	0.0326	
<b>09/18</b>	13.3	0.005 U	0.005 U	69.5	0.005 U	0.005 U	0.005 U	
<b>04/19</b>	12.9	0.001 U	0.001 U	84.8 B	0.001 U	0.00102	0.00611	
<b>08/19</b>	12.5	0.001 U	0.001 U	90.5	0.001 U	0.001 U	0.004 U	
<b>03/20</b>	11.8	0.001 U	0.001 U	82.2	0.001 U	0.001 U	0.004 U	
<b>08/20</b>	13.2	0.001 U	0.001 U	80.2	0.001 U	0.00154	0.004 U	
<b>03/21</b>	13.4	0.001 U	0.001 U	74.7	0.001 U	0.001 U	0.004 U	
<b>08/21</b>	13.2	0.001 U	0.001 U	79.4	0.001 U	0.00252	0.004 U	
<b>04/22</b>	8.94	0.001 U	0.001 U	63.8	0.001 U	0.0017 J	0.004 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Total Metals**

	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)
<b>MCL</b>		0.05			0.002		
<b>08/22</b>	11.9	0.00100 U	0.00100 U	79.1	0.00100 U	0.00113	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.41	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	1 U	5 U	5 U	5 U	8.6	5 U	1 U	1 U	1 U	1 U	1 U
09/11	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/12	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/12	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 U	4.03	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/13	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 U	1.45	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/13	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/14	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 U	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U	1 U	1 U
09/14	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/15	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 U	1 U	5 U	5 U	5 U	10.2	5 U	1 U	1 U	1 U	1 U	1 U
08/15	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/16	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
08/16	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/17	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 U	1.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/17	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/18	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/18	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
04/19	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 U	1 U	5 U	5 U	5 U	5.1	5 U	1 U	1 U	1 U	1 U	1 U
08/19	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 U	1.6	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/20	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

	MCL	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100	100	80	80	70	80	700	10000					5	10000	100	5	1000	100			5		
07/10	1 U	1 U	0.9 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/10	5 U	2 U	0.51 J	2 U	2 U	1.98 J	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	1.1	1 U	1 U	1 U	1 U	3.7	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/11	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 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	2.8	1 U
03/12	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 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/12	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5.37	1 U
03/13	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.24	1 U
09/13	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/14	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/14	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/15	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
08/15	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/16	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
08/16	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/17	5 U	1 U	1 U	1 U	1 U	1 U	1.88	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/17	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
03/18	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
09/18	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U
04/19	1 U	1 U	1.6	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	5.5	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

	MCL	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>08/20</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	1 U	1 U	--	
<b>09/10</b>	2 U	2 U	--	
<b>04/11</b>	1 U	1 U	1 U	
<b>09/11</b>	1 U	1 U	1 U	
<b>03/12</b>	1 U	1 U	1 U	
<b>09/12</b>	5 U	1 U	1 U	
<b>03/13</b>	5 U	1 U	1 U	
<b>09/13</b>	5 U	1 U	1 U	
<b>03/14</b>	5 U	1 U	1 U	
<b>09/14</b>	5 U	1 U	1 U	
<b>03/15</b>	5 U	1 U	1 U	
<b>08/15</b>	5 U	1 U	1 U	
<b>03/16</b>	5 U	1 U	1 U	
<b>08/16</b>	5 U	1 U	1 U	
<b>03/17</b>	5 U	1 U	1 U	
<b>09/17</b>	5 U	1 U	1 U	
<b>03/18</b>	5 U	1 U	1 U	
<b>09/18</b>	5 U	1 U	1 U	
<b>04/19</b>	1 U	1 U	1 U	
<b>08/19</b>	1 U	1 U	1 U	
<b>03/20</b>	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

	MCL	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/10</b>	64	0.2 U	10 U	11.9	--	80	1.25	--	--	--	--	--	4 U	--	168	--	1160	--
<b>04/11</b>	110	0.2 U	10 U	10.9 J	--	48	1.25	--	--	--	--	--	4 U	--	172	--	398	--
<b>09/11</b>	44	0.2 U	10 U	12.3	--	140	1.14	--	--	--	--	--	4 U	--	116	--	--	--
<b>03/12</b>	34	0.2 U	10 U	12.1	--	50	1.47	--	--	--	--	--	4 U	--	80	--	--	--
<b>09/12</b>	37	0.2 U	10 U	13.6	--	84	1.18	--	--	--	--	--	4 U	--	112	--	--	--
<b>04/13</b>	33	0.2 U	10 U	12.9	2.88	46	1.45	514	5.42	--	120.2	--	4 U	17.34	196	--	--	446
<b>09/13</b>	28	0.2 U	10 U	13.9	2.98	48	1.49	450	5.05	--	70.2	--	4 U	16.67	96	--	--	1235
<b>03/14</b>	35	0.2 U	10 U	152	3.7	68	1.36	468	5.07	--	579.6	--	4 U	15.63	370	--	--	644
<b>09/14</b>	30	0.2 U	10 U	15.7	4.67	46	1.26	377	5.50	--	108.1	--	4 U	19.75	72	--	--	500
<b>03/15</b>	28	0.2 U	10 U	70.3	5.03	36	0.839	407	5.70	--	269.8	--	4 U	7.14	188	--	--	154.3
<b>09/15</b>	28	0.2 U	10 U	13.7	--	46	1.21	382	5.16	--	102	--	4 U	22.05	34	--	--	18.8
<b>03/16</b>	51	0.2 U	10 U	63.3	0	124	1.12	432	5.57	--	238.1	--	4 U	23.18	147	--	--	40.9
<b>09/16</b>	38	0.2 U	10 U	13.7	--	72	1.27	400	4.97	--	111.7	--	4 U	35.1	91	--	--	16.3
<b>03/17</b>	46	0.2 U	10 U	15.3	--	72	0.941	475	5.30	--	99	--	4 U	12.33	124	--	--	19.9
<b>09/17</b>	45	0.2 U	10 U	16.3	--	62	1.07	451	5.23	--	113	--	4 U	23.19	94	--	--	269
<b>03/18</b>	25.7	0.2 U	10 U	15.9	--	100	1.42	313	5.25	--	101.9	--	4 U	15.18	55	--	--	3.6
<b>09/18</b>	22	0.2 U	10 U	16.8	5.14	42.3	1.45	242	5.15	--	109.5	--	4 U	20.85	81	--	--	17.9
<b>04/19</b>	20.1	0.1 U	9	22.9	5.36	34.7	1.4	204.8	5.26	5.65	159.3	123	1 U	19.8	84	51.3	28.2	8.3
<b>08/19</b>	18.6	0.12	4.2	44.1	6.07	77.1	1.7	268.7	4.76	5.48	0.18	199	1 U	18.9	136	26.2	159	126
<b>03/20</b>	17.8	0.1 U	5.2	22	5.71	72	1.31	228.7	5.05	5.49	185.7	128	1 U	20.6	85	473	165	92.7
<b>08/20</b>	11	0.1 U	18.4	19.9	5.46	49.5	1.28	324.7	5.79	5.23	116.8	117	1 U	23	93.5	141	160	419.1

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>04/21</b>	14	0.1 U	3.9	28.9	5.82	43.7	1.62	226.3	5.22	3.64	157.1	255	0.3 U	19.5	108	240	62	107.1
<b>09/21</b>	15.5	0.05 U	28.4	41.4	5.54	73.1	2.21	283.1	5.34	5.33	162.9	160	0.3 U	21.8	165	267	309	209
<b>04/22</b>	13.1	0.23 J	3 U	22.1	6.18	39.9	1.59	249.2	5.12	5.37	113	131.1	0.3 U	17.5	85.5	114	38.8	131
<b>08/22</b>	15.7	0.12 J	3.0 U	30.1	5.62	61.1	1.92	231.90	5.10	5.47	112.0	159.3	0.3 U	21.5	106	3410	226	700.10

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>08/10</b>	0.001 U	0.0038	0.2	0.0007 J	0.001 U	--	0.14	0.028	0.035	--	0.026	--	--	0.0002 U	0.11	--
<b>09/10</b>	0.005 U	0.005 U	0.334	0.005 U	0.005 U	15.8	0.0588	0.0341	0.0339	48.6	0.0373	24.4	1.8	0.0002 U	0.0553	17.8
<b>04/11</b>	0.005 U	0.005 U	0.156	0.005 U	0.005 U	14.9	0.032	0.016	0.0174	16.7 J	0.0132	13.2	0.689	0.0002 U	0.0274	7.41
<b>09/11</b>	0.005 U	0.005 U	0.172	0.005 U	0.005 U	12.4	0.005 U	0.005 U	0.005 U	0.5 U	0.0124	6.9	0.196	0.00035	--	1.54
<b>03/12</b>	0.005 U	0.005 U	0.0682	0.005 U	0.005 U	10.48	0.00903	0.005 U	0.0083	3.05	0.005 U	7.22	0.242	0.0002 U	0.005 U	2.09
<b>09/12</b>	0.005 U	0.005 U	1.33	0.005 U	0.005 U	17.5	0.0384	0.0603	0.0369	26.2	0.0544	15.9	3.19	0.000447	--	9.63
<b>04/13</b>	0.005 U	0.005 U	0.0722	0.005 U	0.005 U	12	0.027	0.00569	0.0196	6.41	0.005 U	8.44	0.273	0.0002 U	0.00947	3.45
<b>09/13</b>	0.005 U	0.005 U	0.115	0.005 U	0.005 U	11	0.0263	0.00872	0.017	14.7	0.0109	11.8	0.415	0.0002 U	0.00581	5.4
<b>03/14</b>	0.005 U	0.005 U	0.338	0.005 U	0.005 U	14.8	0.0363	0.0138	0.0177	22.2	0.0137	15.7	0.626	0.0002 U	0.0318	8.61
<b>09/14</b>	0.005 U	0.005 U	0.688	0.00551	0.005 U	10.1	0.128	0.0684	0.0508	86.7	0.0648	38.2	2.56	0.0002 U	0.109	30.3
<b>03/15</b>	0.002 U	0.002 U	0.069	0.002 U	0.004 U	4.6	0.0044 J	0.01 U	0.0043 J	3	0.0018 J	4.5	0.088	0.0002 U	0.0052 J	1.8
<b>09/15</b>	0.001 U	0.001 U	0.043	0.001 U	0.0005 U	6.4	0.005 U	0.005 U	0.005 U	0.75	0.001 U	4.7	0.023	0.0002 U	0.01 U	0.99
<b>03/16</b>	0.005 U	0.005 U	0.0777	0.005 U	0.005 U	8.37	0.005 U	0.005 U	0.005 U	0.875	0.005 U	6.34	0.0563	0.0002 U	0.005 U	1.6
<b>09/16</b>	0.002 U	0.002 U	0.0434	0.002 U	0.002 U	6.78	0.00239	0.002 U	0.002 U	0.2 U	0.002 U	4.88	0.0548	0.0002 U	0.00245	0.789
<b>03/17</b>	0.002 U	0.002 U	0.0445	0.002 U	0.002 U	9.3	0.00312	0.002 U	0.002 U	0.2 U	0.002 U	5.09	0.0275	0.0002 U	0.002 U	0.768
<b>09/17</b>	0.005 U	0.005 U	0.185	0.005 U	0.005 U	12.4	0.0356	0.0124	0.0348	22.8	0.0146	14.3	0.588	0.0002 U	0.0259	8.29
<b>03/18</b>	0.002 U	0.002 U	0.0405	0.002 U	0.002 U	9.71	0.0045	0.002 U	0.00616	0.2 U	0.002 U	5.61	0.0175	0.0002 U	0.00216	0.805
<b>09/18</b>	0.005 U	0.005 U	0.0458	0.005 U	0.005 U	8.18	0.005 U	0.005 U	0.005 U	0.18	0.005 U	5.31	0.0351	0.0002 U	0.005 U	0.998
<b>04/19</b>	0.001 U	0.001 U	0.0527	0.001 U	0.001 U	4.78	0.0131	0.00297	0.00532	4.16	0.00307	5.52	0.115	0.0001 U	0.0105	1.95
<b>08/19</b>	0.001 U	0.001 U	0.114	0.001 U	0.001 U	10.1	0.036	0.00762	0.00775 B	11.3	0.00786	12.6	0.357	0.000179	0.0275	4.2
<b>03/20</b>	0.001 U	0.00117	0.153	0.00116	0.001 U	6.2	0.052	0.0198	0.0174	22.6	0.0137	13.7	0.733	0.0001 U	0.0433	8.3
<b>08/20</b>	0.001 U	0.001 U	0.0878	0.001 U	0.001 U	5.72	0.0126	0.00737	0.00733	8.53	0.0064	8.56	0.346	0.0001 U	0.0118	3.12
<b>04/21</b>	0.001 U	0.001 U	0.0561	0.001 U	0.001 U	6.8	0.0148	0.00218	0.00482	2.13	0.00171	6.49	0.104	0.0001 U	0.0166	1.46
<b>09/21</b>	0.001 U	0.001 U	0.126	0.001 U	0.001 U	9.01	0.0389	0.0123	0.0149	14.5	0.00998	12.3	0.564	0.0001 J	0.0333	4.77
<b>04/22</b>	0.001 U	0.001 U	0.0447	0.001 U	0.001 U	6.91	0.00542 J	0.001 U	0.00207 J	0.278	0.001 U	5.51	0.0815	0.0001 U	0.00688 J	0.848

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-9 - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
0.006	0.00100	0.00100	2	0.00100	0.005	8.3	0.0226	0.00803	0.00994	9.71	0.00658	9.8	0.323	0.000100	0.0206	3.34

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-9 - Total Metals**

	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	0.05			0.002		
<b>08/10</b>	0.001 U	0.001 U	--	0.0007 J	0.063	0.13
<b>09/10</b>	0.005 U	0.005 U	7.23	0.005 U	0.0541	0.189
<b>04/11</b>	0.005 U	0.005 U	3.75	0.005 U	0.0285	0.0777
<b>09/11</b>	0.005 U	0.005 U	3.91	0.005 U	0.005 U	0.0166
<b>03/12</b>	0.005 U	0.005 U	4.26	0.005 U	0.005 U	0.0242
<b>09/12</b>	0.00879	0.005 U	3.77	0.005 U	0.0306	0.157
<b>04/13</b>	0.005 U	0.005 U	7.95	0.005 U	0.00762	0.0363
<b>09/13</b>	0.005 U	0.005 U	4.13	0.005 U	0.0167	0.0871
<b>03/14</b>	0.005 U	0.005 U	87.1	0.005 U	0.0258	0.0867
<b>09/14</b>	0.00778	0.005 U	9.44	0.005 U	0.117	0.398
<b>03/15</b>	0.035 U	0.01 U	50	0.002 U	0.01 U	0.022
<b>09/15</b>	0.005 U	0.001 U	7.9	0.001 U	0.005 U	0.0094
<b>03/16</b>	0.005 U	0.005 U	41.8	0.005 U	0.005 U	0.0171
<b>09/16</b>	0.002 U	0.002 U	5.76	0.001 U	0.002 U	0.00868
<b>03/17</b>	0.002 U	0.002 U	4.14	0.001 U	0.002 U	0.00603
<b>09/17</b>	0.005 U	0.005 U	3.9	0.005 U	0.0296	0.115
<b>03/18</b>	0.002 U	0.002 U	3.92	0.001 U	0.002 U	0.0187
<b>09/18</b>	0.005 U	0.005 U	6.2	0.005 U	0.005 U	0.0132
<b>04/19</b>	0.00176	0.001 U	13.1 B	0.001 U	0.0058	0.041
<b>08/19</b>	0.00224	0.001 U	7.61	0.001 U	0.014	0.0842
<b>03/20</b>	0.00303	0.001 U	5.12	0.001 U	0.0272	0.202
<b>08/20</b>	0.00232	0.001 U	4.63	0.001 U	0.0119	0.0795
<b>04/21</b>	0.001 U	0.001 U	5.56	0.001 U	0.00364	0.0408 B
<b>09/21</b>	0.00176	0.001 U	5.21	0.001 U	0.018	0.141
<b>04/22</b>	0.001 U	0.001 U	3.94	0.001 U	0.001 U	0.016

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/22</b>	0.00151 J	0.00100 U	5	0.00100 U	0.0125	0.0771 B

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
08/10		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
09/10		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
04/11		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 U	5 U	5 U	5 U	22	5 U	1	1 U	1 U	1 U	1 U	1 U
09/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
04/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/14		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U	1 U	1 U	5 U
09/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
04/19		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 U	5 U	5 U	5 U	6.7	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>08/20</b>	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 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/21</b>	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	1 U	1 U	1 U	1 U	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		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 U	1 U	1 U	1 U	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		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 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	2.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/10</b>	1 U	--	--
<b>09/10</b>	2 U	--	--
<b>04/11</b>	1 U	1.3	
<b>09/11</b>	1 U	1 U	
<b>03/12</b>	1 U	1 U	
<b>09/12</b>	1 U	1 U	
<b>04/13</b>	1 U	1 U	
<b>09/13</b>	1 U	1 U	
<b>03/14</b>	1 U	1 U	
<b>09/14</b>	1 U	1 U	
<b>03/15</b>	1 U	1 U	
<b>09/15</b>	1 U	1 U	
<b>03/16</b>	1 U	1 U	
<b>09/16</b>	1 U	1 U	
<b>03/17</b>	1 U	1 U	
<b>09/17</b>	1 U	1 U	
<b>03/18</b>	1 U	1 U	
<b>09/18</b>	1 U	1 U	
<b>04/19</b>	1 U	1 U	
<b>08/19</b>	1 U	1 U	
<b>03/20</b>	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U
<b>04/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>04/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-10 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL																		
09/10	100	0.2 U	10 U	6.75	--	110	0.2 U	--	--	--	--	--	7.56	--	148	--	4340	--
04/11	75	0.2 U	36.6	19.4 J	--	70	0.2 U	--	--	--	--	--	8.3	--	140	--	3140	--
09/11	78	0.2 U	10 U	8.02	--	72	0.2 U	--	--	--	--	--	7.83	--	140	--	--	--
03/12	65	0.2 U	4.4	8.31	--	68	0.2 U	--	--	--	--	--	8.02	--	116	--	--	--
09/12	79	0.2 U	10 U	9.6	--	82	0.2 U	--	--	--	--	--	7.4	--	160	--	--	--
04/13	59	0.2 U	10 U	6.76	3.24	60	0.2 U	466	5.95	--	164.9	--	8.41	14.26	162	--	--	203
09/13	86	0.2 U	10 U	7.95	1.62	90	0.2 U	436	5.90	--	183	--	6.47	13.76	142	--	--	1583
03/14	68	0.2 U	10 U	6.97	3.03	82	0.2 U	531	5.62	--	148.4	--	8.64	11.33	144	--	--	114
09/14	4.6	0.2 U	10 U	283	6.39	236	3.91	415	5.16	--	983.8	--	18.8	18.29	680	--	--	401
03/15	61	0.2 U	10 U	6.22	3.76	76	0.2 U	407	5.95	--	132.3	--	11.3	9.55	68	--	--	115.5
09/15	62	0.2 U	10 U	8.68	3.28	70	0.2 U	347	5.73	--	163.1	--	11.6	17.12	73	--	--	37.8
03/16	50	0.2 U	10 U	6.26	0	104	0.2 U	381	6.08	--	135.1	--	11.2	20.88	96	--	--	16
09/16	66	0.2 U	10 U	8.11	--	100	0.2 U	388	5.70	--	157	--	11.4	24.97	133	--	--	38
03/17	64	0.2 U	10 U	6.99	--	76	0.2 U	395	5.77	--	153.3	--	10.1	16.79	138	--	--	36.7
09/17	80	0.2 U	10 U	6.15	--	72	0.2 U	411	6.08	--	162	--	11.1	18.6	117	--	--	26.7
04/18	58.1	0.2 U	10 U	4.64	--	63.9	0.2 U	249	5.82	--	130.5	--	10	9.71	133	--	--	35.6
09/18	35.8	0.2 U	10 U	2.5 U	--	33.4	0.2 U	243	5.59	--	93.7	--	8.16	20.73	58	--	--	65.1
04/19	60.6	0.1 U	5	2.8	0.46	53.9	0.2 U	138.5	5.87	6.07	108.8	147	1 U	13.3	114	11.2	12.9	5.8
08/19	31.7	0.1 U	7	2.2	1.31	20.4	0.2 U	207	5.64	6.11	0.081	79.8	5.2	17	70	31.7	14.1	8.66
03/20	34.5	0.17	3 U	2	3.65	51.5	0.16 J	175.9	5.66	6.15	122.2	97.3	9.68	15	99	174	79.5	76.2
08/20	13.2	0.1 U	26.2	1	1.83	19	0.2 U	506.1	6.17	6.06	63.3	52.5	2.03	18.1	59.5	117	31.1	95.2

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>03/21</b>	36	0.1 U	9.6	0.532	4.81	33.9	0.104	215	5.79	6.04	82.6	88.8	11.8	14.5	71.5	177	84.5	149.3
<b>09/21</b>	48.9	0.05 U	51.8	2.6	1.65	47.7	0.123	153.2	5.77	5.92	123.1	125	10.7	20.1	64.3	188	77.4	215
<b>04/22</b>	42	0.11 J	17.5	0.549 J	8.49	35.9	0.055 J	174.5	5.88	6.11	76.9	91.7	5.5	13.7	71.3	322	134	323
<b>08/22</b>	48.9	0.03 J	16.0	2.40 J	1.76	79	0.221	161.50	5.76	5.88	108.9	123.2	8.1	16.2	92.5	491	153	49.70

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002	
08/10	0.001 U	0.0009 J	0.092	0.001 U	0.001 U	--	0.007	0.0034	0.019	--	0.0023	--	--	0.0002 U	0.0086
09/10	0.005 U	0.005 U	1.49	0.005 U	0.005 U	29.1	0.125	0.0659	0.197	201	0.0611	78.3	3.59	0.0002 U	0.111
04/11	0.005 U	0.005 U	0.124	0.005 U	0.005 U	14.2 J	0.005 U	0.005 U	0.0123	0.5 U	0.005 U	9.1112	0.044	0.0002 U	0.005 U
09/11	0.005 U	0.005 U	0.414	0.005 U	0.005 U	21.2	0.00566	0.0103	0.0292	5.7	0.0153	10.7	0.38	0.0002 U	--
03/12	0.005 U	0.005 U	0.116	0.005 U	0.005 U	16.1	0.0102	0.00519	0.027	9	0.005 U	9.78	0.158	0.0002 U	0.005 U
09/12	0.005 U	0.005 U	0.157	0.005 U	0.005 U	21.1	0.0174	0.00667	0.0283	12.6	0.00502	11.2	0.212	0.0002 U	0.00642
04/13	0.005 U	0.005 U	0.0878	0.005 U	0.005 U	17.2	0.00814	0.005 U	0.0254	5.5	0.005 U	8.42	0.0983	0.0002 U	0.00501
09/13	0.005 U	0.005 U	0.448	0.005 U	0.005 U	23.3	0.0677	0.0308	0.108	55.7	0.0181	26.4	0.931	0.0002 U	0.00662
03/14	0.005 U	0.005 U	0.104	0.005 U	0.005 U	18.3	0.005 U	0.005 U	0.0139	4.31	0.005 U	9.06	0.0692	0.0002 U	0.00743
09/14	0.005 U	0.005 U	0.682	0.005 U	0.005 U	50.6	0.0251	0.0139	0.0313	22.1	0.0185	30.6	0.58	0.0002 U	0.0254
03/15	0.002 U	0.002 U	0.064	0.002 U	0.004 U	15	0.0036 J	0.01 U	0.0051 J	2	0.002 U	7.1	0.036	0.0002 U	0.0062 J
09/15	0.001 U	0.001 U	0.071	0.001 U	0.0005 U	16	0.005 U	0.005 U	0.005 U	1.2	0.001 U	6.9	0.0098 J	0.0002 U	0.01 U
03/16	0.005 U	0.005 U	0.0526	0.005 U	0.005 U	14.9	0.005 U	0.005 U	0.005 U	0.329	0.005 U	7.4	0.0149	0.0002 U	0.005 U
09/16	0.002 U	0.002 U	0.0688	0.002 U	0.002 U	15.9	0.002 U	0.002 U	0.002 U	0.423	0.002 U	6.84	0.0205	0.0002 U	0.00394
03/17	0.005 U	0.005 U	0.0784	0.005 U	0.005 U	18.3	0.005 U	0.005 U	0.005 U	1.09	0.005 U	7.8	0.0238	0.0002 U	0.00544
09/17	0.005 U	0.005 U	0.0822	0.005 U	0.005 U	17.6	0.005 U	0.005 U	0.00959	1.24	0.005 U	7.3	0.0392	0.0002 U	0.005 U
04/18	0.005 U	0.005 U	0.0652	0.005 U	0.005 U	15	0.005 U	0.005 U	0.00703	0.645	0.005 U	6.42	0.0238	0.0002 U	0.005 U
09/18	0.005 U	0.005 U	0.0328	0.005 U	0.005 U	7.43	0.005 U	0.005 U	0.0159	1.93	0.005 U	3.61	0.0436	0.0002 U	0.005 U
04/19	0.001 U	0.001 U	0.0373	0.001 U	0.001 U	12.2	0.00109	0.0021	0.00342	0.917	0.001 U	5.67	0.221	0.0001 U	0.00337
08/19	0.001 U	0.001 U	0.021	0.001 U	0.001 U	4.36	0.0021	0.001 U	0.00758	0.549	0.001 U	2.31	0.0328	0.0001 U	0.00359 B
03/20	0.001 U	0.001 U	0.0988	0.001 U	0.001 U	8.12	0.0242	0.00617	0.0278	11.2	0.00529	7.57	0.187	0.0001 U	0.0168
08/20	0.001 U	0.001 U	0.0269	0.001 U	0.001 U	3.78	0.00457	0.00108	0.00911	1.71	0.001 U	2.32	0.0602	0.0001 U	0.00438
03/21	0.001 U	0.001 U	0.0419	0.001 U	0.001 U	6.26	0.0045	0.00187	0.0203	3.46	0.00255	4.43	0.0556	0.0001 U	0.001 U
09/21	0.001 U	0.001 U	0.0716	0.001 U	0.001 U	9.64	0.00768	0.00226	0.0118	4.27	0.00186	5.73	0.0865	0.0001 U	0.00656
04/22	0.001 U	0.001 U	0.0541	0.001 U	0.001 U	7.12	0.00221 J	0.00139 J	0.0113	1.21	0.00192 J	4.41	0.0585	0.0001 U	0.00365 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
0.006	0.00100	0.01	2	0.004	0.005	11.5	0.0211	0.0120	0.0509	20.6	0.00866	12.2	0.348	0.000100	0.0221

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Total Metals**

	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	0.05				0.002		
<b>08/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.018	0.028
<b>09/10</b>	43.5	0.0085	0.005 U	12.4	0.005 U	0.189	0.337
<b>04/11</b>	1.26	0.005 U	0.005 U	10.1	0.005 U	0.005 U	0.132
<b>09/11</b>	2.12	0.005 U	0.005 U	8.3	0.005 U	0.00943	0.0575
<b>03/12</b>	2.78	0.005 U	0.005 U	8.54	0.005 U	0.0242	0.0335
<b>09/12</b>	3.27	0.005 U	0.005 U	9.1	0.005 U	0.0319	0.0444
<b>04/13</b>	2.29	0.005 U	0.005 U	12.4	0.005 U	0.0143	0.0272
<b>09/13</b>	11.3	0.005 U	0.005 U	9.52	0.005 U	0.124	0.19
<b>03/14</b>	1.81	0.005 U	0.005 U	9.11	0.005 U	0.0107	0.0606
<b>09/14</b>	6.43	0.005 U	0.005 U	90.2	0.005 U	0.0273	0.0898
<b>03/15</b>	1.3	0.035 U	0.01 U	8.8	0.002 U	0.0055 J	0.035
<b>09/15</b>	1.3	0.005 U	0.001 U	8.8	0.001 U	0.005 U	0.0073
<b>03/16</b>	1.02	0.005 U	0.005 U	9.87	0.005 U	0.005 U	0.0149
<b>09/16</b>	1.09	0.002 U	0.002 U	8.57	0.001 U	0.00291	0.00946
<b>03/17</b>	1.3	0.005 U	0.005 U	9.18	0.005 U	0.005 U	0.0107
<b>09/17</b>	1.19	0.005 U	0.005 U	8.97	0.005 U	0.005 U	0.0331
<b>04/18</b>	1.03	0.005 U	0.005 U	8.91	0.005 U	0.005 U	0.0421
<b>09/18</b>	2.39	0.005 U	0.005 U	7.38	0.005 U	0.005 U	0.0451
<b>04/19</b>	1.43	0.001 U	0.001 U	8.12	0.001 U	0.00203	0.165
<b>08/19</b>	1.33	0.001 U	0.001 U	5.14	0.001 U	0.0037	0.0456
<b>03/20</b>	2.98	0.00117	0.001 U	6.59	0.001 U	0.028	0.0783
<b>08/20</b>	2.63	0.001 U	0.001 U	2.8	0.001 U	0.00845	0.0245
<b>03/21</b>	1.27	0.001 U	0.001 U	4.74	0.001 U	0.00933	0.0348
<b>09/21</b>	1.83	0.001 U	0.001 U	7.76	0.001 U	0.0128	0.0284
<b>04/22</b>	0.929	0.001 J	0.001 U	4.58	0.001 U	0.00563 J	0.0215

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Total Metals**

MCL	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)
0.05	5.92	0.00228	0.00100	6.77	0.00100	0.0475	0.112

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
<b>04/11</b>	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 U	1 U	5 U	5 U	5 U	24	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/13</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/14</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U	1 U	1 U	5 U
<b>09/14</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/15</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/15</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/16</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/17</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
	5	100	80	70	80	700	10000							5	10000	100	5	1000	100			5			
08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
04/11	1 U	1 U	1 U	1 U	5.2	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
03/12	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 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
04/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.99	1 U	1 U	1 U	5 U	1 U	1 U	
03/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
03/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
03/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
04/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
09/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	
04/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
08/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
03/20	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>08/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/10</b>	1 U	--	--
<b>09/10</b>	2 U	--	--
<b>04/11</b>	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U
<b>04/13</b>	1 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U
<b>09/14</b>	1 U	1 U	1 U
<b>03/15</b>	1 U	1 U	1 U
<b>09/15</b>	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U
<b>09/16</b>	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U
<b>08/19</b>	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>04/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	50	0.2 U	10 U	4.22	--	90	1.4774	--	--	--	--	--	7.07	--	108	--	4880	--
<b>04/11</b>	27	0.2 U	10 U	10.9 J	--	36	1.1	--	--	--	--	--	6.28	--	72	--	1600	--
<b>09/11</b>	40	0.2 U	10 U	4.52	--	54	1.94	--	--	--	--	--	5.94	--	96	--	--	--
<b>03/12</b>	33	0.2 U	10 U	4.17	--	52	1.29	--	--	--	--	--	5.83	--	64	--	--	--
<b>09/12</b>	37	0.2 U	10 U	5.1	--	80	2.25	--	--	--	--	--	5.76	--	108	--	--	--
<b>04/13</b>	29	0.2 U	10 U	4.99	5.55	46	1.87	472	5.78	--	111.2	--	6.22	14.28	176	--	--	766
<b>09/13</b>	33	0.2 U	10 U	5.14	4.17	60	2.57	437	5.72	--	111.7	--	5.93	14.16	116	--	--	1272
<b>03/14</b>	16.2	0.2 U	10 U	4.21	8.06	200	1.09	489	5.54	--	76.9	--	6.78	11.8	87	--	--	607
<b>09/14</b>	31	0.2 U	10 U	4.97	6.29	58	2.34	409	5.76	--	101	--	6.37	14.77	78	--	--	630
<b>03/15</b>	23	0.2 U	10 U	4.87	7.67	44	1.22	306	5.70	--	57.4	--	6.75	7.76	50	--	--	46
<b>09/15</b>	37	0.2 U	10 U	7.02	--	54	3.57	360	5.53	--	125.8	--	5.37	22.8	10	--	--	86.3
<b>03/16</b>	25	0.2 U	10 U	6.56	5.86	88	1.99	399	5.80	--	97.4	--	5.79	22.41	86	--	--	17.5
<b>09/16</b>	33	0.2 U	10 U	7.71	3.64	84	3.41	426	5.51	--	119.1	--	5.35	23.06	118	--	--	39.9
<b>03/17</b>	35	0.2 U	10 U	7.98	--	70	3.3	452	5.39	--	111.9	--	4.9	19.53	124	--	--	47.9
<b>09/17</b>	30	0.2 U	10 U	7.15	5.37	52	3.29	446	5.65	--	117.5	--	6.52	19.2	91	--	--	34.5
<b>04/18</b>	22.7	0.2 U	10 U	6.71	--	44.4	2.25	280	5.68	--	63	--	6.48	9.53	90	--	--	21
<b>09/18</b>	16.1	0.2 U	10 U	4.85	--	32.2	1.57	271	5.39	--	76.8	--	6.48	16.16	59	--	--	63.7
<b>04/19</b>	18.3	0.1 U	11	6.2	3.63	28.7	1.2	155.7	6.27	5.91	257.1	78.5	6.9	13.4	68	187	16.2	5.9
<b>08/19</b>	22.6	0.1 U	10.2	23.9	6.86	42	5.1	239.3	5.23	5.84	0.13	135	2.4	17	111	14	24.9	32
<b>03/20</b>	19	0.31	3 U	20.3	6.14	63.5	1.44	201.9	5.29	5.80	157.3	129	5.5	16.9	114	229	169	78.4
<b>08/20</b>	13.9	0.1 U	3 U	25.9	6.29	71.6	2.53	205.1	5.44	5.45	159.1	175	6.3	17	133	347	196	22.1

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>03/21</b>	30	0.1 U	3 U	14.2	5.38	43.8	1.34	215.3	5.49	5.78	93.9	103	6	15.9	77.5	904	102	216
<b>09/21</b>	30.5	0.05 U	27.9	23.6	5.27	70.1	2.95	191.4	5.45	5.53	177	183	7.4	21.2	151	157	94.5	71.5
<b>04/22</b>	26.6	0.06 J	3 U	19.6	4.74	51.1	1.68	197	5.43	5.68	141.2	148.6	5.7	16.2	121	213	78	118
<b>08/22</b>	29.4	0.13 J	5.8 J	21.5	5.12	89.3	3.33	205.70	5.36	5.48	153.1	184.6	7.8	15.4	128	2190	194	20.00

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>08/10</b>	0.001 U	0.0011	0.09	0.001 U	0.001 U	--	0.021	0.0086	0.019	--	0.0049	--	--	0.0002 U	0.021	--
<b>09/10</b>	0.005 U	0.005 U	0.749	0.005 U	0.005 U	23.4	0.144	0.0695	0.0825	149	0.0499	66.6	3.47	0.0002 U	0.145	27.7
<b>04/11</b>	0.005 U	0.005 U	0.274	0.005 U	0.005 U	14.8	0.0273	0.0181	0.026	12.1	0.0156	11.2	0.738	0.0002 U	0.0277	1.87
<b>09/11</b>	0.005 U	0.005 U	0.148	0.005 U	0.005 U	15.1	0.00963	0.0103	0.0135	7.54	0.0122	8.63	0.319	0.0002 U	--	1.3
<b>03/12</b>	0.005 U	0.005 U	0.138	0.005 U	0.005 U	11.4	0.0354	0.014	0.0452	22.56	0.00689	11.7	0.451	0.0002 U	0.005 U	4.85
<b>09/12</b>	0.005 U	0.005 U	0.183	0.005 U	0.005 U	15.8	0.0514	0.0213	0.0409	30.8	0.0136	13.9	0.693	0.0002 U	0.00608	4.82
<b>04/13</b>	0.005 U	0.005 U	0.111	0.005 U	0.005 U	12.5	0.032	0.0119	0.0321	18.4	0.00611	9.74	0.326	0.0002 U	0.005 U	3.64
<b>09/13</b>	0.005 U	0.005 U	0.185	0.005 U	0.005 U	17.3	0.0518	0.0212	0.046	30.7	0.0117	16.4	0.633	0.0002 U	0.005 U	6.81
<b>03/14</b>	0.005 U	0.005 U	0.158	0.005 U	0.005 U	10.9	0.0384	0.0155	0.0413	27.8	0.00791	12.7	0.464	0.0002 U	0.036	5.26
<b>09/14</b>	0.005 U	0.005 U	0.083	0.005 U	0.005 U	12.9	0.0143	0.00554	0.0156	9.84	0.005 U	7.8	0.169	0.0002 U	0.0134	2.34
<b>03/15</b>	0.002 U	0.002 U	0.032	0.002 U	0.004 U	7.7	0.0095 J	0.01 U	0.0051 J	4.7	0.0015 J	3.6	0.057	0.0002 U	0.0099 J	1.1
<b>09/15</b>	0.001 U	0.001 U	0.047	0.001 U	0.0005 U	13	0.005 U	0.005 U	0.005 U	3	0.001 U	5.7	0.0068 J	0.0002 U	0.01 U	1.2
<b>03/16</b>	0.005 U	0.005 U	0.0396	0.005 U	0.005 U	11	0.005 U	0.005 U	0.005 U	1.45	0.005 U	5.24	0.0364	0.0002 U	0.005 U	0.975
<b>09/16</b>	0.002 U	0.002 U	0.0399	0.002 U	0.002 U	12.5	0.00247	0.002 U	0.00274	0.84	0.002 U	4.95	0.0236	0.0002 U	0.00402	0.802
<b>03/17</b>	0.005 U	0.005 U	0.0553	0.005 U	0.005 U	14.9	0.005 U	0.005 U	0.005 U	2.61	0.005 U	6.35	0.05	0.0002 U	0.00674	1.28
<b>09/17</b>	0.005 U	0.005 U	0.039	0.005 U	0.005 U	13.2	0.005 U	0.005 U	0.00786	0.735	0.005 U	4.76	0.0172	0.0002 U	0.005 U	0.96
<b>04/18</b>	0.005 U	0.005 U	0.0366	0.005 U	0.005 U	11	0.005 U	0.005 U	0.0082	0.698	0.005 U	4.1	0.0288	0.0002 U	0.005 U	0.706
<b>09/18</b>	0.005 U	0.005 U	0.0236	0.005 U	0.005 U	7.89	0.005 U	0.005 U	0.005 U	0.932	0.005 U	3.05	0.0157	0.0002 U	0.005 U	0.675
<b>04/19</b>	0.001 U	0.001 U	0.0236	0.001 U	0.001 U	6.29	0.00353	0.001 U	0.00233	0.841	0.001 U	3.16	0.0193	0.0001 U	0.00324	0.635
<b>08/19</b>	0.001 U	0.001 U	0.0364	0.001 U	0.001 U	9.06	0.00537	0.001 U	0.00207 B	1.75	0.0011	4.7	0.0271	0.0001 U	0.00406	0.789
<b>03/20</b>	0.001 U	0.001 U	0.11	0.001 U	0.001 U	8.4	0.036	0.0121	0.0156	17.4	0.00639	10.3	0.329	0.0001 U	0.0295	3.34
<b>08/20</b>	0.001 U	0.001 U	0.0929	0.001 U	0.001 U	13.3	0.0223	0.00524	0.00982	9	0.0035	9.33	0.152	0.0001 U	0.0234	2.16
<b>03/21</b>	0.001 U	0.001 U	0.0622	0.001 U	0.001 U	8.71	0.0171	0.0042	0.00807	5.12	0.00237	5.36	0.125	0.0001 U	0.021	1.29
<b>09/21</b>	0.001 U	0.001 U	0.0738	0.001 U	0.001 U	14.7	0.0167	0.00345	0.00785	5.76	0.0021	8.08	0.104	0.0001 U	0.0172	1.59
<b>04/22</b>	0.001 U	0.001 U	0.0468	0.001 U	0.001 U	11.9	0.00693 J	0.0025 J	0.0051 J	1.22	0.00114 J	5.18	0.0529	0.0001 U	0.00759 J	0.748

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Total Metals**

MCL	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);	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
<b>08/22</b>	0.006	0.01	2	0.004	0.005	17.8	0.0231	0.00762	0.0152	12.9	0.00476	10.9	0.218	0.000100	0.0210	2.46

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-11A - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/10</b>	0.001 U	0.001 U	--	0.001 U	0.023	0.05
<b>09/10</b>	0.0056	0.005 U	8.49	0.005 U	0.124	0.334
<b>04/11</b>	0.005 U	0.005 U	4.21	0.005 U	0.0093	0.0938
<b>09/11</b>	0.005 U	0.005 U	5.15	0.005 U	0.00545	0.0493
<b>03/12</b>	0.005 U	0.005 U	4.66	0.005 U	0.0425	0.0788
<b>09/12</b>	0.005 U	0.005 U	4.57	0.005 U	0.057	0.109
<b>04/13</b>	0.005 U	0.005 U	8.24	0.005 U	0.0328	0.069
<b>09/13</b>	0.005 U	0.005 U	5.31	0.005 U	0.0555	0.124
<b>03/14</b>	0.005 U	0.005 U	3.89	0.005 U	0.0424	0.0925
<b>09/14</b>	0.005 U	0.005 U	4.7	0.005 U	0.0171	0.034
<b>03/15</b>	0.035 U	0.01 U	3.7	0.002 U	0.0091 J	0.011
<b>09/15</b>	0.005 U	0.001 U	5.3	0.001 U	0.0052	0.011
<b>03/16</b>	0.005 U	0.005 U	5.38	0.005 U	0.005 U	0.00945
<b>09/16</b>	0.002 U	0.002 U	5.01	0.001 U	0.00231	0.00763
<b>03/17</b>	0.005 U	0.005 U	5.75	0.005 U	0.005 U	0.0154
<b>09/17</b>	0.005 U	0.005 U	5.03	0.005 U	0.005 U	0.0327
<b>04/18</b>	0.005 U	0.005 U	4.6	0.005 U	0.005 U	0.04
<b>09/18</b>	0.005 U	0.005 U	3.98	0.005 U	0.005 U	0.00765
<b>04/19</b>	0.001 U	0.001 U	3.85	0.001 U	0.00219	0.0121
<b>08/19</b>	0.001 U	0.001 U	4.66	0.001 U	0.00388	0.0105 B
<b>03/20</b>	0.00177	0.001 U	4.1	0.001 U	0.0297	0.0663
<b>08/20</b>	0.00138	0.001 U	6.39	0.001 U	0.0187	0.0365
<b>03/21</b>	0.001 U	0.001 U	3.53	0.001 U	0.00871	0.028
<b>09/21</b>	0.001 U	0.001 U	5.88	0.001 U	0.0114	0.0267
<b>04/22</b>	0.001 U	0.001 U	4.8	0.001 U	0.00366 J	0.0171

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/22</b>	0.00130 J	0.00100 U	6.28	0.00100 U	0.0245	0.0523 B

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	
08/10		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
09/10		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
04/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
04/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/14		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U	1 U	1 U	1 U	5 U
09/14		1 U	1 U	1 U	1 U	2.74	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.64	5 U	5 U	5 U	5 U	5 U	1.17	1 U	1 U	1 U	1 U	1 U	5 U
03/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
03/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
04/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
04/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100		80		70		80	700	10000				5	10000	100	5	1000	100		5			
08/10		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
09/10		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
09/11		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
03/12		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 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
09/12		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/13		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/13		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/14		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/14		1 U	6.86	1 U	1 U	1 U	17.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.01	1 U	5 U	1 U	5 U
03/15		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/15		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/16		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/16		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/17		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/17		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/18		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/18		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>08/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/10</b>	1 U	--	--
<b>09/10</b>	2 U	--	--
<b>04/11</b>	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U
<b>04/13</b>	1 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U
<b>09/14</b>	1.37	1 U	1 U
<b>03/15</b>	1 U	1 U	1 U
<b>09/15</b>	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U
<b>09/16</b>	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U
<b>08/19</b>	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>04/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-11B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	100	0.2 U	10 U	4.18	--	94	2.307	--	--	--	--	--	4 U	--	156	--	72.4	--
<b>04/11</b>	69	0.2 U	10 U	4.79	--	66	2.33	--	--	--	--	--	4 U	--	132	--	4.99	--
<b>09/11</b>	65	0.2 U	10 U	4.38	--	58	2.19	--	--	--	--	--	4 U	--	116	--	--	--
<b>03/12</b>	68	0.2 U	10 U	4.9	--	62	2.56	--	--	--	--	--	4 U	--	132	--	--	--
<b>09/12</b>	61	0.2 U	10 U	5.06	--	62	2.37	--	--	--	--	--	4 U	--	136	--	--	--
<b>04/13</b>	67	0.2 U	10 U	5.35	3.64	64	2.64	400	6.51	--	190.4	--	4 U	13.36	232	--	--	51.5
<b>09/13</b>	62	0.2 U	10 U	6.57	3.44	62	2.38	397	6.46	--	144.9	--	4 U	13.47	134	--	--	15.8
<b>03/14</b>	68	0.2 U	10 U	6.14	3.61	72	2.74	473	6.19	--	160	--	4 U	13.08	156	--	--	40.5
<b>09/14</b>	73	0.2 U	10 U	6.38	3.63	86	2.82	379	6.56	--	171.5	--	4 U	14.75	108	--	--	7.4
<b>03/15</b>	72	0.2 U	10 U	6.77	3.72	86	3.02	371	6.77	--	74.1	--	4 U	11.72	106	--	--	34.2
<b>09/15</b>	68	0.2 U	10 U	7.07	3.63	72	3	321	6.27	--	170.2	--	4 U	19.45	43	--	--	36.9
<b>03/16</b>	68	0.2 U	10 U	9.64	0	108	2.93	324	6.27	--	162.1	--	4 U	16.15	143	--	--	24.6
<b>09/16</b>	67	0.2 U	10 U	9.68	3.42	82	2.45	349	6.05	--	163.5	--	4 U	16.9	128	--	--	29.6
<b>03/17</b>	67	0.2 U	10 U	9.51	--	80	2.88	378	6.21	--	169.1	--	4 U	17.92	171	--	--	185.9
<b>09/17</b>	64	0.2 U	10 U	23.9	--	82	2.19	357	6.32	--	190.1	--	4 U	19.19	121	--	--	89.4
<b>04/18</b>	69	0.2 U	10 U	10.9	--	88.7	3.2	184	6.33	--	174.2	--	4 U	12.96	160	--	--	10.9
<b>09/18</b>	62.1	0.2 U	10 U	14.2	--	83.9	2.92	225	6.20	--	182.4	--	4 U	15.05	133	--	--	21.1
<b>04/19</b>	72.4	0.1 U	12	13.1	8.58	79.8	3.9	224.7	5.63	6.50	89.4	211	4.2	14.3	159	18.4	2.98	38.5
<b>08/19</b>	68.1	0.1 U	3 U	17.3	3.75	78	3.6	184.1	5.97	6.56	0.21	212	3.4	14.9	156	3.7	1.54	0
<b>03/20</b>	68.6	0.1 U	3 U	17.3	3.9	87.3	3.55	165.2	6.01	6.32	272.1	220	3.99	14.2	155	13.8	4.47	4.2
<b>08/20</b>	40.9	0.1 U	15.6	19.3	5.26	80	3	148.6	6.71	6.36	207.6	229	2.89	15.9	158	7.4	3.51	2.3

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>	74	0.1 U	3 U	18.7	3.39	83.1	3.43	165.7	6.21	6.40	199.8	231	4.5	13.8	203	389	18.6	23.7
<b>03/21</b>	74	0.1 U	3 U	18.7	3.39	83.1	3.43	165.7	6.21	6.40	199.8	231	4.5	13.8	203	389	18.6	23.7
<b>09/21</b>	73.8	0.05 U	21.9	21.8	3.4	86.5	3.17	205.9	6.17	6.34	206.9	235	2.8	15.6	157	16.8	8.26	14.2
<b>04/22</b>	71.4	0.04 J	3 U	23.6	4	96.4	3.23	178.1	6.14	6.34	215.2	248.1	3.3 J	14.1	156	220	40.7	52
<b>08/22</b>	72.6	0.03 J	7.8 J	26.8	4.13	99.3	3.07	181.70	6.23	6.27	207.4	251.9	2.7 J	14.8	166	24.0	21.2	9.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>08/10</b>	0.001 U	0.0006 J	0.024	0.001 U	0.001 U	--	0.0029	0.0009 J	0.0022	--	0.001 U	--	--	0.0002 U	0.0021	--
<b>09/10</b>	0.005 U	0.005 U	0.0744	0.005 U	0.005 U	34.4	0.0082	0.005	0.0131	6.97	0.005 U	8.36	0.167	0.0002 U	0.009	2.5
<b>04/11</b>	0.005 U	0.005 U	0.0194	0.005 U	0.005 U	15.4	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	6.63	0.012	0.0002 U	0.005 U	0.888
<b>09/11</b>	0.005 U	0.005 U	0.0188	0.005 U	0.005 U	14.9	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	6.3	0.0107	0.0002 U	--	0.93
<b>03/12</b>	0.005 U	0.005 U	0.0252	0.005 U	0.005 U	14.3	0.005 U	0.005 U	0.00742	1.37	0.005 U	7.72	0.0345	0.0002 U	0.005 U	1.12
<b>09/12</b>	0.005 U	0.005 U	0.021	0.005 U	0.005 U	15.9	0.005 U	0.005 U	0.005 U	0.567	0.005 U	6.62	0.0178	0.0002 U	0.005 U	0.941
<b>04/13</b>	0.005 U	0.005 U	0.0348	0.005 U	0.005 U	18	0.015	0.005 U	0.0159	3.34	0.005 U	9.26	0.0628	0.0002 U	0.005 U	1.84
<b>09/13</b>	0.005 U	0.005 U	0.0261	0.005 U	0.005 U	16.9	0.005 U	0.005 U	0.00552	0.948	0.005 U	8.18	0.021	0.0002 U	0.005 U	1.17
<b>03/14</b>	0.005 U	0.005 U	0.0348	0.005 U	0.005 U	17.5	0.00518	0.005 U	0.00699	2.73	0.005 U	9.36	0.0516	0.0002 U	0.00535	1.46
<b>09/14</b>	0.005 U	0.005 U	0.0256	0.005 U	0.005 U	17.6	0.005 U	0.005 U	0.005 U	0.705	0.005 U	8.63	0.0142	0.0002 U	0.005 U	0.946
<b>03/15</b>	0.002 U	0.002 U	0.021	0.002 U	0.004 U	16	0.01 U	0.01 U	0.0021 J	1.8	0.002 U	8.8	0.031	0.0002 U	0.011 U	1.1
<b>09/15</b>	0.001 U	0.001 U	0.021	0.001 U	0.0005 U	16	0.005 U	0.005 U	0.005 U	1.6	0.001 U	8	0.057	0.0002 U	0.01 U	1.1
<b>03/16</b>	0.005 U	0.005 U	0.0246	0.005 U	0.005 U	18.6	0.005 U	0.005 U	0.005 U	0.449	0.005 U	10.2	0.0101	0.0002 U	0.005 U	1.06
<b>09/16</b>	0.002 U	0.002 U	0.0182	0.002 U	0.002 U	14.9	0.002 U	0.002 U	0.00216	0.255	0.002 U	7.55	0.0057	0.0002 U	0.002 U	0.8
<b>03/17</b>	0.005 U	0.005 U	0.0373	0.005 U	0.005 U	19.2	0.005 U	0.005 U	0.00593	3.19	0.005 U	10.3	0.0818	0.0002 U	0.00586	1.42
<b>09/17</b>	0.005 U	0.005 U	0.0306	0.005 U	0.005 U	18.9	0.005 U	0.005 U	0.00584	1.98	0.005 U	9.61	0.0423	0.0002 U	0.005 U	1.09
<b>04/18</b>	0.005 U	0.005 U	0.0329	0.005 U	0.005 U	19.2	0.00511	0.005 U	0.005 U	1.89	0.005 U	9.86	0.0374	0.0002 U	0.005 U	1.18
<b>09/18</b>	0.005 U	0.005 U	0.0212	0.005 U	0.005 U	18.2	0.005 U	0.005 U	0.005 U	0.932	0.005 U	9.35	0.0198	0.0002 U	0.005 U	1.05
<b>04/19</b>	0.001 U	0.001 U	0.019	0.001 U	0.001 U	15.6	0.0112	0.001 U	0.001 U	0.256	0.001 U	9.91	0.00765	0.0001 U	0.0075	0.869
<b>08/19</b>	0.001 U	0.001 U	0.0185	0.001 U	0.001 U	15.4	0.00307	0.001 U	0.001 U	0.1 U	0.001 U	9.6	0.00369	0.0001 U	0.001 U	0.823
<b>03/20</b>	0.001 U	0.001 U	0.0211	0.001 U	0.001 U	17	0.00232	0.001 U	0.001 U	0.268	0.001 U	10.9	0.00632	0.0001 U	0.001 U	0.95
<b>08/20</b>	0.001 U	0.001 U	0.0218	0.001 U	0.001 U	16.2	0.00273	0.001 U	0.001 U	0.156	0.001 U	9.6	0.0111	0.0001 U	0.00124	0.998
<b>03/21</b>	0.001 U	0.001 U	0.0317	0.001 U	0.001 U	15.8	0.00901	0.00288	0.0041	3.36	0.001 U	10.6	0.0811	0.0001 U	0.0059	1.45
<b>09/21</b>	0.001 U	0.001 U	0.0232	0.001 U	0.001 U	17.6	0.00246	0.001 U	0.00131	0.878	0.001 U	10.4	0.0216	0.0001 U	0.0015	1.03
<b>04/22</b>	0.001 U	0.001 U	0.0473	0.001 U	0.001 U	19.5	0.00382 J	0.00443 J	0.0051 J	2.86	0.00118 J	11.6	0.165	0.0001 U	0.00556 J	1.27

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
0.006	0.00100 U	0.01	2	0.004	0.005	20.5	0.1	0.00122 J	0.00286 J	1.82	0.015	11.7	0.0357	0.00219 U	0.00219 J	1.18

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/10</b>	0.001 U	0.001 U	-	0.001 U	0.0073	0.012
<b>09/10</b>	0.005 U	0.005 U	12.6	0.005 U	0.0229	0.0209
<b>04/11</b>	0.005 U	0.005 U	9.1	0.005 U	0.005 U	0.005 U
<b>09/11</b>	0.005 U	0.005 U	8.49	0.005 U	0.005 U	0.005 U
<b>03/12</b>	0.005 U	0.005 U	9.38	0.005 U	0.00615	0.0106
<b>09/12</b>	0.005 U	0.005 U	8.14	0.005 U	0.005 U	0.00657
<b>04/13</b>	0.005 U	0.005 U	13.5	0.005 U	0.0112	0.0125
<b>09/13</b>	0.005 U	0.005 U	9.42	0.005 U	0.0058	0.00743
<b>03/14</b>	0.005 U	0.005 U	9.7	0.005 U	0.0088	0.0122
<b>09/14</b>	0.005 U	0.005 U	9.22	0.005 U	0.005 U	0.005 U
<b>03/15</b>	0.035 U	0.01 U	9.6	0.002 U	0.007 J	0.0053 J
<b>09/15</b>	0.005 U	0.001 U	9	0.001 U	0.0062	0.005 U
<b>03/16</b>	0.005 U	0.005 U	11	0.005 U	0.005 U	0.005 U
<b>09/16</b>	0.002 U	0.002 U	8.61	0.001 U	0.00394	0.0143
<b>03/17</b>	0.005 U	0.005 U	9.68	0.005 U	0.0108	0.0135
<b>09/17</b>	0.005 U	0.005 U	9.32	0.005 U	0.00654	0.0272
<b>04/18</b>	0.005 U	0.005 U	9.28	0.005 U	0.00901	0.0319
<b>09/18</b>	0.005 U	0.005 U	9.49	0.005 U	0.005 U	0.005 U
<b>04/19</b>	0.001 U	0.001 U	10.5	0.001 U	0.00312	0.004 U
<b>08/19</b>	0.001 U	0.001 U	10.4	0.001 U	0.00311	0.00444 B
<b>03/20</b>	0.001 U	0.001 U	10.7	0.001 U	0.00306	0.004 U
<b>08/20</b>	0.001 U	0.001 U	10.5	0.001 U	0.00339	0.004 U
<b>03/21</b>	0.001 U	0.001 U	9.31	0.001 U	0.0106	0.0137
<b>09/21</b>	0.001 U	0.001 U	10.4	0.001 U	0.00511	0.004 U
<b>04/22</b>	0.001 U	0.001 U	9.78	0.001 U	0.0101	0.0137

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/22</b>	0.00100 U	0.00100 U	10.8	0.00100 U	0.00732 J	0.00624 JB

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
08/10		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
09/10		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
04/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
04/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/14		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 U	5 U	5 U	5 U	6.97	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
04/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
04/19		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 U	5 U	5 U	5 U	6.2 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances





**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>08/20</b>	5	1 U	1 U	1 U	1 U	1 U	5.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.1	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1 U
<b>03/21</b>	100	1 U	1 U	1 U	1 U	1 U	4.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.5	1 U	1 U	1 U	1 U	1 U	3.5	1 U	1 U	1 U
<b>09/21</b>	80	1 U	1 U	1 U	1 U	1 U	5.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	1 U
<b>04/22</b>	70	1 U	1 U	1 U	1 U	1 U	8.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10.8	1 U	1 U	1 U	1 U	1 U	5.3	1 U	1 U	1 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.1	1.0 U	8.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	9.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.6	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

	Xylene (ug/L)
	MCL 10000
<b>08/10</b>	--
<b>09/10</b>	--
<b>04/11</b>	1 U
<b>09/11</b>	1 U
<b>03/12</b>	1 U
<b>09/12</b>	1 U
<b>04/13</b>	1 U
<b>09/13</b>	1 U
<b>03/14</b>	1 U
<b>09/14</b>	1 U
<b>03/15</b>	1 U
<b>09/15</b>	1 U
<b>03/16</b>	1 U
<b>09/16</b>	1 U
<b>03/17</b>	1 U
<b>09/17</b>	1 U
<b>04/18</b>	1 U
<b>09/18</b>	1 U
<b>04/19</b>	1 U
<b>08/19</b>	1 U
<b>03/20</b>	1 U

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill  
Monitoring Location MW-11B - Volatile Organic Compounds

Xylene (ug/L)

MCL 10000

<b>08/20</b>	1 U
<b>03/21</b>	1 U
<b>09/21</b>	1 U
<b>04/22</b>	1 U
<b>08/22</b>	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	15	0.2 U	10 U	374	--	360	5.0188	--	--	--	--	--	14.7	--	1520	--	3920	--
<b>04/11</b>	16	0.2 U	10 U	371	--	356	4.38	--	--	--	--	--	14.3 J	--	1184	--	57.4	--
<b>09/11</b>	22	0.2 U	10 U	286	--	280	4.87	--	--	--	--	--	15.5	--	1020	--	--	--
<b>03/12</b>	12	0.2 U	6.1	348	--	276	4.43	--	--	--	--	--	13.9	--	1012	--	--	--
<b>09/12</b>	10	0.2 U	10 U	211	--	188	4.9	--	--	--	--	--	15.7	--	720	--	--	--
<b>04/13</b>	7	0.2 U	10 U	246	5.77	196	4.49	539	5.19	--	976.6	--	15	16.29	600	--	--	84.3
<b>09/13</b>	7.9	0.2 U	10 U	197	5.53	170	5.02	475	4.82	--	668	--	17.3	18.12	646	--	--	160
<b>03/14</b>	6	0.2 U	10 U	251	6.4	206	4.33	645	4.85	--	835.9	--	18.2	14.75	624	--	--	50.1
<b>09/14</b>	75	0.2 U	10 U	7.3	2.98	88	0.2 U	448	5.96	--	159.4	--	8.23	14.18	134	--	--	358.3
<b>03/15</b>	7.5	0.2 U	10 U	267	6.85	204	3.94	461	5.20	--	783.6	--	18.8	12.23	620	--	--	94.3
<b>09/15</b>	10	0.2 U	10 U	176	6.02	136	4.88	393	5.05	--	641.4	--	20.7	23.77	337	--	--	6.9
<b>03/16</b>	23	0.2 U	10 U	204	7.03	140	3.83	440	5.36	--	640.7	--	20.4	19.35	426	--	--	26.3
<b>09/16</b>	25	0.2 U	10 U	147	--	136	4.83	439	5.07	--	563.6	--	20.4	28.35	443	--	--	5.2
<b>03/17</b>	36	0.2 U	10 U	135	4.49	140	4.96	502	5.15	--	481.9	--	18.8	13.77	333	--	--	8.3
<b>09/17</b>	35	0.2 U	10 U	113	--	110	5.47	473	5.12	--	439.3	--	19.3	20.49	265	--	--	5.8
<b>04/18</b>	8.4	0.2 U	10 U	133	--	104	4.73	287	5.22	--	462.4	--	18.5	10.42	393	--	--	10.9
<b>09/18</b>	8.8	0.2 U	10 U	351	--	292	4.49	296	4.84	--	1132	--	15.4	20.32	745	--	--	7.1
<b>04/19</b>	11.9	0.1 U	11	272	6.36	163	4	170.2	5.20	5.86	1120	898	19.3	15.5	661	20.8	16.6	9.8
<b>08/19</b>	30.5	0.1 U	15.1	111	4.56	79.2	2.9	227.5	5.03	5.60	0.437	451	14.6	20.2	298	14.4	9.62	9.97
<b>03/20</b>	13.1	0.1 U	11.3	149	6.05	112	3.38	228.1	5.00	5.53	798	5.92	20	17.6	402	26	8.37	13.2
<b>08/20</b>	12.7	0.1 U	15.3	4.7	5.29	96.8	2.19	305.1	5.41	5.30	472.1	564	19.6	19	335	320	100	119.6

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)	
<b>MCL</b>							10												
<b>04/21</b>	19.1	0.1 U	3.6	104	5.45	57.7	2.32	242.7	5.30	5.67	420.5	457	27.3	16.9	265	201	14.2	14.71	
<b>09/21</b>	14.4	0.05 U	10.2	84.5	4.85	57.4	1.98	295	5.82	5.35	418.6	405	30.2	23.4	234	112	12.5	46	
<b>04/22</b>	23.1	0.13 J	3 U	62.7	5.88	48	2.1	246.8	5.22	5.48	333.5	345.5	30.7	17.3	194	273	26	45	
<b>08/22</b>	16.4	0.02	5.1 J	71.6	5.76	54	1.76	261.40	5.14	5.29	346.8	368.6	29.4	18.9	207	226	15.3	50.70	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>08/10</b>	0.001 U	0.0019	0.76	0.001 U	0.0006 J	--	0.064	0.019	0.039	--	0.016	--	--	0.0002 U	0.06	--
<b>09/10</b>	0.005 U	0.005 U	1.32	0.005 U	0.005 U	82	0.1	0.0492	0.109	100	0.0616	69.5	3.02	0.0002 U	0.0938	23.1
<b>04/11</b>	0.005 U	0.005 U	0.749	0.005 U	0.005 U	78.8	0.005 U	0.005 U	0.0111	2.59	0.005 U	43.1 J	0.138	0.0002 U	0.0113	5.14
<b>09/11</b>	0.005 U	0.005 U	0.615	0.005 U	0.005 U	65.6	0.005 U	0.005 U	0.00629	1.22	0.0106	29.1	0.103	0.0002 U	--	4.12
<b>03/12</b>	0.005 U	0.005 U	0.635	0.005 U	0.005 U	65.2	0.0181	0.005 U	0.0168	4.09	0.005 U	32.7	0.155	0.0002 U	0.0104	4.49
<b>09/12</b>	0.005 U	0.005 U	0.472	0.005 U	0.005 U	47.4	0.0261	0.012	0.0339	17	0.0168	23	0.532	0.0002 U	0.00652	5.42
<b>04/13</b>	0.005 U	0.005 U	0.473	0.005 U	0.005 U	44.5	0.005 U	0.005 U	0.0159	1.27	0.005 U	21.1	0.0835	0.0002 U	0.00812	4.06
<b>09/13</b>	0.005 U	0.005 U	0.392	0.005 U	0.005 U	45.5	0.0115	0.005 U	0.0167	7.12	0.00655	21.6	0.177	0.0002 U	0.00566	4.3
<b>03/14</b>	0.005 U	0.005 U	0.471	0.005 U	0.005 U	46.4	0.005 U	0.005 U	0.00787	1.17	0.005 U	22.9	0.0658	0.0002 U	0.00786	3.27
<b>09/14</b>	0.005 U	0.005 U	0.354	0.005 U	0.005 U	19.7	0.0436	0.0213	0.078	36.8	0.0112	19.5	0.596	0.0002 U	0.0388	8.02
<b>03/15</b>	0.002 U	0.002 U	0.44	0.002 U	0.004 U	47	0.01	0.01 U	0.011	3.8	0.0022	24	0.11	0.0002 U	0.014	4.1
<b>09/15</b>	0.001 U	0.001 U	0.31	0.001 U	0.0005 U	32	0.005 U	0.005 U	0.005 U	2.1	0.0014	15	0.022	0.0002 U	0.01 U	3.2
<b>03/16</b>	0.005 U	0.005 U	0.354	0.005 U	0.005 U	32.8	0.005 U	0.005 U	0.005 U	0.367	0.005 U	16.9	0.0391	0.0002 U	0.005 U	2.6
<b>09/16</b>	0.002 U	0.002 U	0.269	0.002 U	0.002 U	28.7	0.00203	0.002 U	0.00304	0.374	0.002 U	12.6	0.0398	0.0002 U	0.0041	2.39
<b>03/17</b>	0.002 U	0.002 U	0.255	0.002 U	0.002 U	26.5	0.002 U	0.002 U	0.002 J	0.2 U	0.002 U	11.4	0.0256	0.0002 U	0.00344	2.16
<b>09/17</b>	0.005 U	0.005 U	0.229	0.005 U	0.005 U	25.7	0.005 U	0.005 U	0.0139	0.984	0.005 U	10.7	0.0458	0.0002 U	0.005 U	2.23
<b>04/18</b>	0.005 U	0.005 U	0.245	0.005 U	0.005 U	25	0.005 U	0.005 U	0.011	0.168	0.005 U	10.1	0.0469	0.0002 U	0.005 U	2.12
<b>09/18</b>	0.005 U	0.005 U	0.605	0.005 U	0.005 U	61.6	0.005 U	0.005 U	0.005 U	0.696	0.005 U	33.6	0.0891	0.0002 U	0.00903	3.58
<b>04/19</b>	0.001 U	0.001 U	0.313	0.001 U	0.001 U	33	0.00234	0.00137	0.00196	0.675	0.001 U	19.7	0.0632	0.0001 U	0.00521	2.55
<b>08/19</b>	0.001 U	0.001 U	0.15	0.001 U	0.001 U	16.7	0.00369	0.001 U	0.00292 E	0.449	0.00136	9.07	0.0359	0.0001 U	0.00281	1.76
<b>03/20</b>	0.001 U	0.001 U	0.231	0.001 U	0.001 U	22.5	0.00672	0.001 U	0.017	0.352	0.001 U	13.5	0.0336	0.0001 U	0.00517	2.28
<b>08/20</b>	0.001 U	0.001 U	0.238	0.001 U	0.001 U	17.6	0.0146	0.00436	0.0124	5.83	0.00432	12.8	0.176	0.0001 U	0.0125	3.01
<b>04/21</b>	0.001 U	0.001 U	0.12	0.001 U	0.001 U	11.5	0.00831	0.0013	0.00412	1.36	0.001 U	7.04	0.0418	0.0001 U	0.00785	1.66
<b>09/21</b>	0.001 U	0.001 U	0.136	0.001 U	0.001 U	11.3	0.00879	0.00154	0.0031	1.72	0.00113	7.09	0.047	0.0001 U	0.00687	2.05
<b>04/22</b>	0.001 U	0.001 U	0.102	0.001 U	0.001 U	10.2	0.00306 J	0.001 U	0.00148 J	0.354	0.001 U	5.49	0.0397	0.0001 U	0.00279 J	1.38

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
0.006	0.00100 U	0.01	0.00100 U	0.004	0.00100 U	11.1	0.00404 J	0.00100 U	0.00226	1.01	0.00115 J	6.35	0.0305	0.000100 U	0.00266 J	1.68

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-12 - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/10</b>	0.0005 J	0.001 U	--	0.001 U	0.028	0.11
<b>09/10</b>	0.0062	0.005 U	81.5	0.005 U	0.085	0.269
<b>04/11</b>	0.005 U	0.005 U	104 J	0.005 U	0.005 U	0.0352
<b>09/11</b>	0.005 U	0.005 U	73.7	0.005 U	0.005 U	0.0306
<b>03/12</b>	0.005 U	0.005 U	96.2	0.005 U	0.005 U	0.039
<b>09/12</b>	0.005 U	0.005 U	57.8	0.005 U	0.0246	0.0754
<b>04/13</b>	0.005 U	0.005 U	76.9	0.005 U	0.005 U	0.0238
<b>09/13</b>	0.005 U	0.005 U	61.4	0.005 U	0.00879	0.0443
<b>03/14</b>	0.005 U	0.005 U	88.4	0.005 U	0.005 U	0.0241
<b>09/14</b>	0.005 U	0.005 U	8.05	0.005 U	0.0893	0.132
<b>03/15</b>	0.035 U	0.01 U	88	0.002 U	0.01 U	0.041
<b>09/15</b>	0.005 U	0.001 U	64	0.001 U	0.005 U	0.022
<b>03/16</b>	0.005 U	0.005 U	83.5	0.005 U	0.005 U	0.021
<b>09/16</b>	0.002 U	0.002 U	54	0.001 U	0.00232	0.0159
<b>03/17</b>	0.002 U	0.002 U	50.8	0.001 U	0.0025	0.0132
<b>09/17</b>	0.005 U	0.005 U	44.6	0.005 U	0.005 U	0.0315
<b>04/18</b>	0.005 U	0.005 U	48.7	0.005 U	0.005 U	0.0616
<b>09/18</b>	0.005 U	0.005 U	99.3	0.005 U	0.005 U	0.0331
<b>04/19</b>	0.001 U	0.001 U	119 B	0.001 U	0.001 U	0.0324
<b>08/19</b>	0.001 U	0.001 U	51.3	0.001 U	0.001 U	0.0182 B
<b>03/20</b>	0.001 U	0.001 U	71.6	0.001 U	0.001 U	0.015 B
<b>08/20</b>	0.00127	0.001 U	61.4	0.001 U	0.00761	0.0406
<b>04/21</b>	0.001 U	0.001 U	54.2	0.001 U	0.00281	0.0168 B
<b>09/21</b>	0.001 U	0.001 U	55.1	0.001 U	0.00257	0.0124
<b>04/22</b>	0.001 U	0.001 U	42	0.001 U	0.00139 J	0.00528 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/22</b>	0.00100 U	0.00100 U	49.2	0.00100 U	0.00207 J	0.00953 JB

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/10</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/10</b>		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5 U
<b>04/11</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/14</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U	1 U	1 U	5 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		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 U	5 U	5 U	5 U	8.6	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
	5	100	80	70	80	700	10000	5	10000	100	5	1000	100	5	1000	100	5	1000	100	5	1000	100	5	1000	100
08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	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 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	1 U	1 U	1 U	1 U	4.1	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
03/12	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 U	--	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
03/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
09/18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
04/19	1 U	1 U	1 U	5.1	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	1 U	2.3	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	1 U	1 U	1 U	1.1	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>08/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/10</b>	1 U	--	--
<b>09/10</b>	2 U	--	--
<b>04/11</b>	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U
<b>04/13</b>	1 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U
<b>09/14</b>	1 U	1 U	1 U
<b>03/15</b>	1 U	1 U	1 U
<b>09/15</b>	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U
<b>09/16</b>	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U
<b>08/19</b>	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>08/20</b>		1 U	1 U
<b>04/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>04/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-13A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/10</b>	50	0.2 U	34.6	84.3	--	160	2.48	--	--	--	--	--	4 U	--	380	--	1048	--
<b>04/11</b>	224	0.2 U	10 U	83.5	--	128	2.29	--	--	--	--	--	4 U	--	324	--	56.8	--
<b>09/11</b>	34	0.2 U	10 U	85.1	--	125	2.17	--	--	--	--	--	4 U	--	456	--	--	--
<b>03/12</b>	227	0.2 U	10.1	86.1	--	164	1.97	--	--	--	--	--	4 U	--	392	--	--	--
<b>09/12</b>	32	0.2 U	10 U	90.7	--	148	2.08	--	--	--	--	--	4 U	--	336	--	--	--
<b>03/13</b>	34	0.2 U	17.2	88.2	0.07	132	1.88	482	5.32	--	406.3	--	4 U	12.05	174	--	--	1082
<b>09/13</b>	32	0.2 U	10 U	87.9	0.07	136	1.67	440	5.12	--	290.5	--	4 U	14.59	348	--	--	1220
<b>03/14</b>	34	0.2 U	10.9	86.8	0.07	270	1.52	404	5.31	--	214.5	--	4 U	10.66	312	--	--	934
<b>09/14</b>	36	0.2 U	18.6	85.8	1.97	148	1.2861	349	5.34	--	83.3	--	4 U	14.36	288	--	--	1349
<b>03/15</b>	32	0.2 U	10 U	90.8	0.24	220	1.55	432	5.12	--	319.4	--	4 U	11.07	228	--	--	42.7
<b>09/15</b>	40	0.2 U	11.7	93.8	2.38	152	1.55	301	5.07	--	378.9	--	4 U	25.13	142	--	--	73.2
<b>03/16</b>	33	0.2 U	10 U	90.7	0	128	1.63	448	5.16	--	348.8	--	4 U	14.12	238	--	--	27.2
<b>08/16</b>	37	0.2 U	10 U	91.7	--	142	1.54	411	4.82	--	360.2	--	4 U	15.86	293	--	--	46.6
<b>03/17</b>	43	0.2 U	10 U	95	--	134	1.84	451	5.02	--	353.5	--	4 U	13.26	177	--	--	14.3
<b>09/17</b>	27	0.2 U	10 U	88.4	0.44	136	1.78	461	5.08	--	377.1	--	4 U	16.5	246	--	--	14.8
<b>03/18</b>	28.8	0.2 U	10 U	90.4	--	230	1.82	292	5.08	--	334.7	--	4 U	11.84	308	--	--	11.8
<b>10/18</b>	27.2	0.2 U	10 U	79	--	117	1.51	226	5.04	--	295.3	--	--	19.31	196	--	--	10.2
<b>04/19</b>	31.9	0.13	5	70.3	0.03	104	0.2 U	138.4	5.17	5.49	396	314	6.2	13.2	195	26.8	8.91	23
<b>08/19</b>	32.1	0.1 J	5	76.8	0.14	102	1.4	249.2	4.65	5.48	0.294	322	2.1	15.9	231	13.9	9.16	0
<b>03/20</b>	29.8	0.1 U	7.6	86	0.46	132	1.93	261.2	5.10	5.37	327	367	2.1	13.1	217	18.1	7.15	32.3
<b>07/20</b>	17.9	0.11	12.7	86	0.53	131	1.92	89.5	4.85	6.84	347.6	395	1.64	16.4	268	65.2	10.2	30.5

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>03/21</b>	21.3	0.1 U 3 U	94.1	0.07	127	2.98	257.4	5.10	5.20	399	400	7.2	12.2	299	62.7	27	28.5	
<b>08/21</b>	27.9	0.05 J 22.5	110	0.6	157	4.66	307.5	5.04	5.20	422.5	455	2	18.5	270	119	23.5	62.5	
<b>04/22</b>	26.2	0.08 J 7.3 J	102	0.99	160	4.73	22.18	5.03	5.24	376.3	451.6	1.2 J	11.8	259	123	35.3	52.5	
<b>08/22</b>	27.3	0.07 J 21.8	107	0.18	168	5.17	144.50	4.87	5.20	407.7	473.8	1.1 J	16.1	293	90.0	28.3	73.40	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
07/10	0.001 U	0.002	0.23	0.0009 J	0.001 U	--	0.018	0.016	0.058	--	0.0065	--	--	0.0002	0.023	--
09/10	0.005 U	0.005 U	0.332	0.005 U	0.005 U	26.5	0.024	0.029	0.071	28.3	0.0112	23.5	0.876	0.00032	0.0345	8.65
04/11	0.005 U	0.005 U	0.199	0.005 U	0.005 U	23.8 J	0.005 U	0.0079	0.0121	3.32	0.005 U	20.7 J	0.302	0.00026	0.01	3.03
09/11	0.005 U	0.005 U	0.273	0.005 U	0.005 U	24.5	0.005 U	0.0114	0.0137	2.96	0.00686	19.7	0.376	0.00062	--	2.72
03/12	0.005 U	0.005 U	0.687	0.005 U	0.005 U	29.1	0.0853	0.0683	0.197	108	0.0327	47	1.88	0.00257	0.00832	22.6
09/12	0.005 U	0.005 U	0.249	0.005 U	0.005 U	26.3	0.0224	0.017	0.0421	17.3	0.0069	19.7	0.54	0.000389	0.00977	6.15
03/13	0.005 U	0.005 U	0.213	0.005 U	0.005 U	25	0.00838	0.0109	0.0271	10.3	0.005 U	18.2	0.333	0.000329	0.00792	4.75
09/13	0.005 U	0.005 U	0.397	0.005 U	0.005 U	26.9	0.0409	0.0351	0.09	45.7	0.0146	30.5	1.03	0.000746	0.00825	11.3
03/14	0.005 U	0.005 U	0.44	0.005 U	0.005 U	29	0.0436	0.0378	0.095	45.9	0.0172	31.9	0.954	0.001416	0.0462	12.2
09/14	0.005 U	0.005 U	0.476	0.005 U	0.005 U	26.8	0.0342	0.0335	0.0753	44	0.0215	28.6	1.3	0.001979	0.0359	11.6
03/15	0.002 U	0.002 U	0.18	0.002 U	0.004 U	23	0.005 J	0.0085 J	0.005 J	2	0.002 U	17	0.27	0.0002 U	0.011 U	2.3
09/15	0.001 U	0.0015	0.34	0.0017	0.0005 U	28	0.041	0.022	0.048	29	0.01	26	0.32	0.0031	0.011	8.7
03/16	0.002 U	0.002 U	0.193	0.002 U	0.002 U	24.4	0.002 U	0.00759	0.002 U	0.259	0.002 U	17.7	0.264	0.0002 U	0.00764	1.94
08/16	0.002 U	0.002 U	0.197	0.002 U	0.002 U	24.1	0.002 U	0.00897	0.00314	1.26	0.002 U	17.3	0.307	0.0002 U	0.00772	2.38
03/17	0.005 U	0.005 U	0.205	0.005 U	0.005 U	28.1	0.005 U	0.00852	0.0067	0.871	0.005 U	19.6	0.283	0.0002 U	0.0103	2.32
09/17	0.005 U	0.005 U	0.23	0.005 U	0.005 U	25.7	0.005 U	0.00935	0.0125	3.96	0.005 U	18.7	0.349	0.000315	0.0105	3.07
03/18	0.005 U	0.005 U	0.18	0.005 U	0.005 U	26.5	0.005 U	0.00787	0.0118	0.2 U	0.005 U	18	0.283	0.0002 U	0.00877	2.07
10/18	0.005 U	0.005 U	0.14	0.005 U	0.005 U	21	0.005 U	0.0144	0.005 U	1.06	0.005 U	15.7	0.591	0.0002 U	0.0115	2.51
04/19	0.001 U	0.001 U	0.102	0.001 U	0.001 U	17.1	0.00147	0.0182	0.00193	2.36	0.001 U	14.8	0.796	0.0001 U	0.0104	3.06
08/19	0.001 U	0.001 U	0.136	0.001 U	0.001 U	16.6	0.0012	0.0188	0.00273 B	0.54	0.00113	14.8	0.801	0.0001 U	0.00744	2.67
03/20	0.001 U	0.001 U	0.165	0.001 U	0.001 U	20.1	0.00397	0.0174	0.00262	0.72	0.001 U	20	0.695	0.0001 U	0.0116	2.52
07/20	0.001 U	0.001 U	0.177	0.001 U	0.001 U	20.9	0.00324	0.0172	0.00374	0.913	0.001 U	19	0.603	0.000107	0.0107	2.59
03/21	0.001 U	0.001 U	0.155	0.001 U	0.001 U	20	0.00139	0.0134	0.0062 B	1.29	0.001 U	18.7	0.489	0.000173	0.00923	2.16
08/21	0.001 U	0.001 U	0.219	0.001 U	0.001 U	25.9	0.00438	0.0176	0.00564	2.19	0.00113	22.5	0.603	0.000226	0.0125	2.97
04/22	0.001 U	0.001 U	0.192	0.001 U	0.001 U	28.3	0.001 U	0.0154	0.00305 J	0.701	0.001 U	21.7	0.558	0.000183 J	0.0109 J	2.26

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
<b>08/22</b>	0.006	0.01	2	0.004	0.005	29.5	0.1	0.0171	0.0107	3.31	0.015	23	0.583	0.00158	0.0134	3.14

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>07/10</b>	0.001 U	0.001 U	--	0.001 U	0.054	0.07
<b>09/10</b>	0.005 U	0.005 U	17.6	0.005 U	0.0626	0.0902
<b>04/11</b>	0.005 U	0.005 U	16.1 J	0.005 U	0.0099	0.0194
<b>09/11</b>	0.005 U	0.005 U	15.5	0.005 U	0.00944	0.0224
<b>03/12</b>	0.005 U	0.005 U	15.1	0.005 U	0.238	0.231
<b>09/12</b>	0.005 U	0.005 U	14.9	0.005 U	0.0461	0.0585
<b>03/13</b>	0.005 U	0.005 U	16.5	0.005 U	0.0197	0.033
<b>09/13</b>	0.005 U	0.005 U	12.5	0.005 U	0.113	0.126
<b>03/14</b>	0.005 U	0.005 U	14.3	0.005 U	0.0979	0.134
<b>09/14</b>	0.005 U	0.005 U	13.3	0.005 U	0.0903	0.108
<b>03/15</b>	0.035 U	0.01 U	13	0.002 U	0.005 J	0.017
<b>09/15</b>	0.005 U	0.001 U	14	0.001 U	0.078	0.089
<b>03/16</b>	0.002 U	0.002 U	13.2	0.001 U	0.002 U	0.0122
<b>08/16</b>	0.002 U	0.002 U	13.3	0.001 U	0.00258	0.0124
<b>03/17</b>	0.005 U	0.005 U	14.8	0.005 U	0.005 U	0.0158
<b>09/17</b>	0.005 U	0.005 U	13.5	0.005 U	0.0094	0.0361
<b>03/18</b>	0.005 U	0.005 U	13.6	0.005 U	0.005 U	0.0335
<b>10/18</b>	0.005 U	0.005 U	11.4	0.005 U	0.005 U	0.0186
<b>04/19</b>	0.001 U	0.001 U	10.7	0.001 U	0.00172	0.0152 B
<b>08/19</b>	0.001 U	0.001 U	12	0.001 U	0.001 U	0.0193 B
<b>03/20</b>	0.001 U	0.001 U	14.3	0.001 U	0.00135	0.0166
<b>07/20</b>	0.001 U	0.001 U	14.4	0.001 U	0.00196	0.0132
<b>03/21</b>	0.001 U	0.001 U	12.3	0.001 U	0.00287	0.0287
<b>08/21</b>	0.001 U	0.001 U	15.9	0.001 U	0.00564	0.02
<b>04/22</b>	0.001 U	0.001 U	14.5	0.001 U	0.001 U	0.0173

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill  
Monitoring Location MW-13A - Total Metals

	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	0.05			0.002		
08/22	0.00100 U	0.00100 U	15.5	0.00100 U	0.00863 J	0.0279

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

MCL	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)	1,2-Dichloroethane (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
5	200	5	5	23	5	5	0.2	0.05	600	5	5	75	5	5	5	5	5	5	5	80	80	5	5	
07/10	1 U	1 U	1 U	1 U	23	1 U	1 U	10 U	1 U	1 U	2	6	5	10 U	5 U	5 U	5 U	10 U	3	1 U	1 U	5 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	17.9	2 U	2 U	2 U	2 U	2 U	1.86	4.8	3.54	2 U	2 U	2 U	0.72	2 U	3.31	2 U	2 U	2 U	2 U	5 U
04/11	1 U	1 U	1 U	1 U	25	1 U	1 U	1 U	1 U	1 U	1 U	6.6	1 U	5 U	5 U	5 U	5 U	5 U	4.4	1 U	1 U	1 U	1 U	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.4	1 U	5 U	5 U	5 U	5 U	5 U	3.7	1 U	1 U	1 U	1 U	1 U
03/12	1 U	1 U	1 U	1 U	16	1 U	1 U	1 U	1 U	1 U	1 U	5.4	5.9	5 U	5 U	5 U	5 U	5 U	2.9	1 U	1 U	1 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	15.6	1 U	1 U	1 U	1 U	1 U	1 U	5.64	5.12	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/13	1 U	1 U	1 U	1 U	19	1 U	1 U	1 U	1 U	1 U	2.35	6.94	5.77	5 U	5 U	5 U	5 U	5 U	3.24	1 U	1 U	1 U	1 U	5 U
09/13	1 U	1 U	1 U	1 U	19.9	1 U	1 U	1 U	1 U	1 U	1.74	3.08	6.46	5 U	5 U	5 U	5 U	5 U	3.57	1 U	1 U	1 U	1 U	5 U
03/14	1 U	1 U	1 U	1 U	15.8	1 U	1 U	1 U	1 U	--	2.06	6	6.13	5 U	5 U	5 U	5 U	5 U	2.64	--	1 U	1 U	1 U	5 U
09/14	1 U	1 U	1 U	1 U	13.7	1 U	1 U	1 U	1 U	1 U	1 U	6.22	5.2	5 U	5 U	5 U	5 U	5 U	2.28	1 U	1 U	1 U	1 U	5 U
03/15	1 U	1 U	1 U	1 U	16.3	1 U	1 U	1 U	1 U	1 U	2.23	6.06	5.25	5 U	5 U	5 U	5 U	5 U	2.27	1 U	1 U	1 U	1 U	5 U
09/15	1 U	1 U	1 U	1 U	13	1 U	1 U	1 U	1 U	1 U	2.06	5.41	3.68	5 U	5 U	5 U	5 U	5 U	1.71	1 U	1 U	1 U	1 U	5 U
03/16	1 U	1 U	1 U	1 U	15.4	1 U	1 U	1 U	1 U	1 U	2.19	6.43	5.69	5 U	5 U	5 U	5 U	5 U	2.09	1 U	1 U	1 U	1 U	5 U
08/16	1 U	1 U	1 U	1 U	13.4	1 U	1 U	1 U	1 U	1 U	1.95	5.56	5.19	5 U	5 U	5 U	5 U	5 U	1.88	1 U	1 U	1 U	1 U	5 U
03/17	1 U	1 U	1 U	1 U	14.2	1 U	1 U	1 U	1 U	1 U	2.05	6.14	6.2	5 U	5 U	5 U	5 U	5 U	2.03	1 U	1 U	1 U	1 U	5 U
09/17	1 U	1 U	1 U	1 U	12.8	1 U	1 U	1 U	1 U	1 U	1.89	5.28	4.8	5 U	5 U	5 U	5 U	5 U	1.66	1 U	1 U	1 U	1 U	5 U
03/18	1 U	1 U	1 U	1 U	11.6	1 U	1 U	1 U	1 U	1 U	1.96	5.26	4.4	5 U	5 U	5 U	5 U	5 U	1.7	1 U	1 U	1 U	1 U	5 U
10/18	1 U	1 U	1 U	1 U	8.2	1 U	1 U	1 U	1 U	1 U	1.46	3.76	3.22	5 U	5 U	5 U	5 U	5 U	1.21	1 U	1 U	1 U	1 U	5 U
04/19	1 U	1 U	1 U	1 U	7.6	1 U	1 U	1 U	1 U	1 U	1.1	3.3	2.6	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	1 U	1 U	8.9	1 U	1 U	1 U	1 U	1 U	1.5	4.3	3.2	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	1 U	1 U	1 U	1 U	8.2	1 U	1 U	1 U	1 U	1 U	1.2	3.6	2.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>07/20</b>		1 U	1 U	1 U	1 U	8.5	1 U	1 U	0.048 U	0.019 U	1 U	1.4	3.8	2.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	6.3	1 U	1 U	0.047 U	0.019 U	1 U	1 U	2.5	2.2	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	1 U	7.7	1 U	1 U	0.047 U	0.019 U	1 U	1.1	2.9	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	7.8	1 U	1 U	0.048 U	0.019 U	1 U	1 U	2.9	2.6	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	7.5	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.2	2.9	2.8	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
	5	100	80	70	80	700	10000	5	10000	100	5	1000	100	5	1000	100	5	1000	100	5	5	5	5	5	
07/10	1 U	1	1 U	1 U	1 U	100	1 U	1 U	1 U	2 U	20 U	--	1 U	10	1 U	1 U	35	1 U	4	1 U	5 U	33	1 U	1 U	
09/10	2 U	1.01	0.97	2 U	0.96	76.7	2 U	2 U	2 U	4 U	2 U	0.61	2 U	8.07	2 U	2 U	22.2	2 U	3.26	2 U	2 U	26.9	1.5	2 U	
04/11	1 U	1 U	1 U	1 U	6.4	96	1 U	1 U	1 U	--	1 U	3.1	1 U	10	--	1 U	17	1 U	7.3	1 U	5 U	23	3.8	1 U	
09/11	1 U	1 U	1 U	1 U	3.7	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	9.2	--	1 U	25	1 U	6.2	1 U	5 U	28	4.6	1 U	
03/12	1 U	1.6	1 U	1 U	1 U	97	1 U	1 U	1 U	--	1 U	1 U	1 U	3.2	--	1 U	28	1 U	3.5	1 U	5 U	32	1 U	1 U	
09/12	1 U	1 U	1 U	1 U	1 U	79.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	6.02	1 U	1 U	25.7	1 U	1 U	1 U	5 U	30.2	1 U	5 U	
03/13	1 U	1.64	1 U	1 U	1 U	105	1 U	1 U	1 U	2 U	5 U	5 U	1 U	6.49	1 U	1 U	27.8	1 U	4	1 U	5 U	33.9	1 U	5 U	
09/13	1 U	1	1 U	1 U	1 U	120	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.04	1 U	1 U	24.2	1 U	4.76	1 U	5 U	37.1	1 U	5 U	
03/14	1 U	1.81	1 U	1 U	1 U	94.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.88	1 U	1 U	21.7	1 U	3.31	1 U	5 U	28.3	1 U	5 U	
09/14	1 U	1.66	1 U	1 U	1 U	81.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.59	1 U	1 U	18	1 U	3.14	1 U	5 U	28.9	1 U	5 U	
03/15	1 U	1.57	1 U	1 U	1 U	95.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.36	1 U	1 U	17.2	1 U	3.63	1 U	5 U	25.1	1 U	5 U	
09/15	1 U	1.28	1 U	1.17	1 U	81.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.63	1 U	1 U	11.9	1 U	2.57	1 U	5 U	21.8	1 U	5 U	
03/16	1 U	1.58	1 U	1.57	1 U	95.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.95	1 U	1 U	18.8	1 U	3.38	1 U	5 U	27	1 U	5 U	
08/16	1 U	1.46	1 U	1.37	1 U	86.7	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.48	1 U	1 U	15.3	1 U	2.95	1 U	5 U	22.8	1 U	5 U	
03/17	1 U	1.7	1 U	1.5	1 U	92.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.73	1 U	1 U	17.3	1 U	3.28	1 U	5 U	25.4	1 U	5 U	
09/17	1 U	1.49	1 U	1.28	1 U	80.7	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.31	1 U	1 U	13.1	1 U	2.74	1 U	5 U	18.7	1 U	5 U	
03/18	1 U	1.41	1 U	1.33	1 U	74.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.05	1 U	1 U	12.1	1 U	2.61	1 U	5 U	19.5	1 U	5 U	
10/18	1 U	1.01	1 U	1 U	1 U	49.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.03	1 U	1 U	8.3	1 U	1.87	1 U	5 U	13.2	1 U	5 U	
04/19	1 U	1 U	1 U	1 U	1 U	46.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	7.1	1 U	1.6	1 U	1 U	11.7	1 U	1 U	
08/19	1 U	1 U	1 U	1.1	1 U	59.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	8.4	1 U	1.8	1 U	1 U	14.1	1 U	1 U	
03/20	1 U	1 U	1 U	3	1 U	51.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	7.2	1 U	1.6	1 U	1 U	10.9	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>07/20</b>	5	1 U	1 U	1 U	7.5	1 U	55.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	8.1	1 U	1.5	1 U	1 U	11.9	1 U	1 U
<b>03/21</b>	100	1 U	1 U	1 U	4	1 U	35.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	6	1 U	1.1	1 U	1 U	7.8	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	4.2	1 U	42.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	6.6	1 U	1.6	1 U	1 U	8.8	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	3.5	1 U	42.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	6.3	1 U	1.5	1 U	1 U	8.6	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	3.4	1.0 U	42.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U	6.0	1.0 U	1.4	1.0 U	1.0 U	8.2	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>	8	--	
<b>09/10</b>	11.1	--	
<b>04/11</b>	14	1 U	
<b>09/11</b>	18	1 U	
<b>03/12</b>	8.6	1 U	
<b>09/12</b>	8.58	1 U	
<b>03/13</b>	10.1	1 U	
<b>09/13</b>	9.83	1 U	
<b>03/14</b>	8.14	1 U	
<b>09/14</b>	6.74	1 U	
<b>03/15</b>	7.91	1 U	
<b>09/15</b>	6	1 U	
<b>03/16</b>	7.67	1 U	
<b>08/16</b>	6.66	1 U	
<b>03/17</b>	7.27	1 U	
<b>09/17</b>	5.78	1 U	
<b>03/18</b>	5.42	1 U	
<b>10/18</b>	4.18	1 U	
<b>04/19</b>	3.8	1 U	
<b>08/19</b>	3.9	1 U	
<b>03/20</b>	2.3	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/20</b>		2.3	1 U
<b>03/21</b>		2.2	1 U
<b>08/21</b>		2.7	1 U
<b>04/22</b>		2.4	1 U
<b>08/22</b>		2.1	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/10</b>	230	0.2 U	6.2 J	84.6	--	360	1.467	--	--	--	--	--	6.18	--	540	--	0.232	--	
<b>04/11</b>	720	0.2 U	9.6	84.7	--	313	1.62	--	--	--	--	--	4 U	--	572	--	0.364	--	
<b>09/11</b>	226	0.2 U	3.4	85.5	--	67	1.6	--	--	--	--	--	6.71	--	640	--	--	--	
<b>03/12</b>	742	0.2 U	12.1	89.5	--	334	1.88	--	--	--	--	--	7.55	--	560	--	--	--	
<b>09/12</b>	226	0.2 U	10 U	86.4	--	316	2.08	--	--	--	--	--	7.58	--	480	--	--	--	
<b>03/13</b>	224	0.2 U	10 U	91	0.02	314	2.27	429	6.20	--	781	--	7.33	12.71	474	--	--	0	
<b>09/13</b>	221	0.2 U	10 U	89.4	0.02	328	2.44	593	6.07	--	673.7	--	8.33	12.98	502	--	--	0	
<b>03/14</b>	218	0.2 U	10 U	92.4	0.01	340	2.7	369	6.15	--	676.3	--	9.35	12.47	458	--	--	0.69	
<b>09/14</b>	221	0.2 U	10 U	97.1	2.16	342	2.91	364	6.28	--	716.8	--	10.5	13.37	454	--	--	0	
<b>03/15</b>	212	0.2 U	10 U	99.8	0	368	3.31	310	6.70	--	615.2	--	11.4	12.01	472	--	--	0.7	
<b>09/15</b>	216	0.2 U	10 U	99.2	1.63	344	3.46	345	6.10	--	710	--	10.2	14.75	412	--	--	0.47	
<b>03/16</b>	209	0.2 U	10 U	97.9	0	324	3.68	374	6.14	--	700	--	12.5	13.3	464	--	--	0	
<b>08/16</b>	214	0.2 U	10 U	98.5	--	340	3.74	339	5.90	--	708.7	--	12.6	13.72	508	--	--	0	
<b>03/17</b>	217	0.2 U	11.8	105	--	340	4.01	405	5.95	--	676.4	--	13.5	13.11	429	--	--	0	
<b>09/17</b>	210	0.2 U	10 U	92.6	--	344	4.24	396	6.09	--	674.1	--	12.9	13.01	456	--	--	0	
<b>03/18</b>	209	0.2 U	12.4	107	--	350	3.95	208	6.19	--	671	--	14.9	12.13	506	--	--	0	
<b>10/18</b>	205	0.2 U	10 U	111	--	358	4.2	211	5.86	--	670.1	--	--	13.35	506	--	--	0	
<b>04/19</b>	209	0.1 U	7	115	0.03	318 B	0.2 U	127.1	5.96	6.23	949	799	15.7	13.5	545	4.9	0.692	2.3	
<b>08/19</b>	207	0.12	4.3	116	0.16	319	5.6	201.6	5.72	6.33	0.777	790	15.8	13.9	504	2.3 U	0.5 U	0	
<b>03/20</b>	204	0.1 U	10.6	98.4	0.57	355	5.88	230.8	5.99	6.10	639	757	16.4	11.9	456	4.8 U	0.5 U	11.5	
<b>07/20</b>	189	0.1 U	7.1	99	0.56	305	4.57	199.3	5.85	6.11	639	772	14.9	15	481	2.3 U	0.5 U	2.6	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>03/21</b>	194	0.1 U	3 U	108	0.21	299	4.98	203.6	5.98	6.13	735	800	20	11.9	496	2.3 U	0.5 U	0
<b>08/21</b>	222	0.05 U	20.8	113	6.67	333	5.33	278.7	6.02	6.16	720	814	23.2	15	504	4.4	0.892	2.7
<b>04/22</b>	208	0.02 J	7 J	107	0.98	354	5.04	143.8	5.99	6.18	688	826.1	21	12.1	475	3.6	0.751	3.5
<b>08/22</b>	230	0.02 U	16.3	108	0.18	361	4.96	155.00	5.88	6.16	714.0	837.5	21.4	15.8	493	2.3 U	0.500 U	47.20

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>07/10</b>	0.001 U	0.0007 J	0.057	0.001 U	0.001 U	--	0.001 U	0.001 U	0.0008 J	--	0.001 U	--	--	0.0002	0.0022	--
<b>09/10</b>	0.005 U	0.005 U	0.0676	0.005 U	0.005 U	82.7	0.005 U	0.005 U	0.0063	0.571	0.005 U	27.6	0.0306	0.0002	0.005 U	3.3
<b>04/11</b>	0.005 U	0.005 U	0.073	0.005 U	0.005 U	80.5	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	31.4 J	0.0323	0.0002 U	0.005 U	4.07
<b>09/11</b>	0.005 U	0.005 U	0.0706	0.005 U	0.005 U	83.4	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	31.2	0.0324	0.0002 U	--	3.53
<b>03/12</b>	0.005 U	0.005 U	0.0746	0.005 U	0.005 U	91.2	0.005 U	0.005 U	0.005 U	0.498	0.005 U	32.2	0.0382	0.0002 U	0.00529	3.5
<b>09/12</b>	0.005 U	0.005 U	0.0676	0.005 U	0.005 U	81.4	0.005 U	0.005 U	0.005 U	0.447	0.005 U	26.9	0.0403	0.000287	0.00702	3.67
<b>03/13</b>	0.005 U	0.005 U	0.0748	0.005 U	0.005 U	83	0.005 U	0.005 U	0.01	0.537	0.005 U	28.1	0.0331	0.000201	0.005 U	4.71
<b>09/13</b>	0.005 U	0.005 U	0.0754	0.005 U	0.005 U	86.2	0.005 U	0.005 U	0.005 U	0.411	0.005 U	30.4	0.0371	0.000269	0.005 U	3.35
<b>03/14</b>	0.005 U	0.005 U	0.0794	0.005 U	0.005 U	90	0.005 U	0.005 U	0.005 U	0.458	0.005 U	30.2	0.0342	0.000223	0.00514	3.66
<b>09/14</b>	0.005 U	0.005 U	0.0814	0.005 U	0.005 U	85.2	0.005 U	0.005 U	0.005 U	0.498	0.005 U	28.7	0.0361	0.000238	0.005 U	3.45
<b>03/15</b>	0.002 U	0.002 U	0.07	0.002 U	0.004 U	86	0.01 U	0.01 U	0.0012 J	0.005 U	0.002 U	29	0.026	0.00021	0.011 U	3.4
<b>09/15</b>	0.001 U	0.001 U	0.073	0.001 U	0.0005 U	89	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U	29	0.03	0.0002 U	0.01 U	3.8
<b>03/16</b>	0.002 U	0.002 U	0.077	0.002 U	0.002 U	84.9	0.002 U	0.002 U	0.002 U	0.478	0.002 U	29.2	0.036	0.0002 U	0.00278	3.26
<b>08/16</b>	0.002 U	0.002 U	0.0745	0.002 U	0.002 U	83.7	0.002 U	0.002 U	0.002 U	0.456	0.002 U	30.1	0.0353	0.0002 U	0.00251	3.34
<b>03/17</b>	0.002 U	0.002 U	0.0734	0.002 U	0.002 U	83.5	0.00287	0.002 U	0.002 U	0.419	0.002 U	28.9	0.0352	0.0002 U	0.0045	3.25
<b>09/17</b>	0.002 U	0.002 U	0.0732	0.002 U	0.002 U	81.7	0.002 U	0.002 U	0.002 U	0.423	0.002 U	28.3	0.037	0.0002 U	0.00212	3.26
<b>03/18</b>	0.002 U	0.002 U	0.07	0.002 U	0.002 U	84.6	0.00675	0.002 U	0.002 U	0.2 U	0.002 U	27.8	0.0326	0.0002 U	0.00424	3.24
<b>10/18</b>	0.002 U	0.002 U	0.0746	0.002 U	0.002 U	88.1	0.00461	0.002 U	0.002 U	0.05 U	0.002 U	33.4	0.0341	0.0002 U	0.00517	3.79
<b>04/19</b>	0.001 U	0.001 U	0.0738	0.001 U	0.001 U	76.9	0.00126	0.001 U	0.00369	0.157	0.001 U	30.6	0.043	0.000372	0.00278	3.59
<b>08/19</b>	0.001 U	0.001 U	0.0723	0.001 U	0.001 U	74.4	0.00115	0.001 U	0.001 U	0.1 U	0.001 U	32.2	0.0396	0.000299	0.00141	3.47
<b>03/20</b>	0.001 U	0.001 U	0.0739	0.001 U	0.001 U	81	0.001 U	0.001 U	0.001 U	0.0155 J	0.001 U	37.1	0.0369	0.000217	0.00203	3.51
<b>07/20</b>	0.001 U	0.001 U	0.0695	0.001 U	0.001 U	69.9	0.001 U	0.001 U	0.001 U	0.0109 J	0.001 U	31.7	0.0288	0.000232	0.00233	3.45
<b>03/21</b>	0.001 U	0.001 U	0.0665	0.001 U	0.001 U	70.6	0.001 U	0.001 U	0.00235 B	0.0139 J	0.001 U	29.8	0.0335	0.000259	0.00206	3.3
<b>08/21</b>	0.001 U	0.001 U	0.0727	0.001 U	0.001 U	80.4	0.001 U	0.001 U	0.00121	0.104	0.001 U	32.1	0.0389	0.000238	0.00233	3.65
<b>04/22</b>	0.001 U	0.001 U	0.0715	0.001 U	0.001 U	90.2	0.00121 J	0.001 U	0.00209 J	0.0787 J	0.001 U	31.3	0.044	0.000217	0.0036 J	3.59

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Total Metals**

MCL	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
0.006	0.00100	0.00100	0.0744	0.00100	0.00100	91	0.00100	0.00100	0.00237	0.0112	0.00100	32.5	0.0379	0.000257	0.00246	3.62

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-13B - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>07/10</b>	0.001 U	0.001 U	--	0.001 U	0.005 U	0.014
<b>09/10</b>	0.005 U	0.005 U	19.9	0.005 U	0.005 U	0.005 U
<b>04/11</b>	0.005 U	0.005 U	18.2 J	0.005 U	0.005 U	0.005 U
<b>09/11</b>	0.005 U	0.005 U	17.9	0.005 U	0.005 U	0.005 U
<b>03/12</b>	0.005 U	0.005 U	18.9	0.005 U	0.005 U	0.00501
<b>09/12</b>	0.005 U	0.005 U	15.9	0.005 U	0.005 U	0.00618
<b>03/13</b>	0.005 U	0.005 U	19.9	0.005 U	0.005 U	0.005 U
<b>09/13</b>	0.005 U	0.005 U	16.4	0.005 U	0.005 U	0.00659
<b>03/14</b>	0.005 U	0.005 U	17.7	0.005 U	0.005 U	0.00636
<b>09/14</b>	0.005 U	0.005 U	17.7	0.005 U	0.005 U	0.00537
<b>03/15</b>	0.035 U	0.01 U	17	0.002 U	0.01 U	0.01 U
<b>09/15</b>	0.005 U	0.001 U	19	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.002 U	0.002 U	17.6	0.001 U	0.002 U	0.002 U
<b>08/16</b>	0.002 U	0.002 U	18.2	0.001 U	0.002 U	0.002 U
<b>03/17</b>	0.00245	0.002 U	17.4	0.001 U	0.002 U	0.002 U
<b>09/17</b>	0.002 U	0.002 U	16.9	0.001 U	0.002 U	0.002 U
<b>03/18</b>	0.00292	0.002 U	17.2	0.001 U	0.00261	0.002 U
<b>10/18</b>	0.00256	0.002 U	20.2	0.001 U	0.002 U	0.002 U
<b>04/19</b>	0.001 U	0.001 U	19.5	0.001 U	0.00104	0.004 U
<b>08/19</b>	0.001 U	0.001 U	20.3	0.001 U	0.001 U	0.00495 B
<b>03/20</b>	0.001 U	0.001 U	20.4	0.001 U	0.001 U	0.004 U
<b>07/20</b>	0.001 U	0.001 U	19.1	0.001 U	0.001 U	0.004 U
<b>03/21</b>	0.001 U	0.001 U	18.5	0.001 U	0.001 U	0.00438
<b>08/21</b>	0.001 U	0.001 U	20.2	0.001 U	0.00113	0.004 U
<b>04/22</b>	0.001 U	0.001 U	20.1	0.001 U	0.001 U	0.00812 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-13B - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>08/22</b>	0.00100 U	0.00100 U	20.9	0.00100 U	0.00112 J	0.00432 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	75	5	5	5	5	10	5	5	80	80			
07/10	1 U	1 U	1 U	1 U	23	1 U	1 U	10 U	1 U	1	3	9	12	10 U	5 U	5 U	5 U	10 U	6	1 U	1 U	5 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	17.8	2 U	2 U	2 U	2 U	0.54	3.11	6.54	8.86	2 U	2 U	2 U	0.87	2 U	5.56	2 U	2 U	2 U	2 U	5 U
04/11	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 U	5 U	5 U	5 U	35	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.6	7.4	1 U	5 U	5 U	5 U	5 U	5 U	6.3	1 U	1 U	1 U	1 U	1 U
03/12	1 U	1 U	1 U	1 U	15	1 U	1 U	1 U	1 U	1 U	1 U	7.5	11	5 U	5 U	5 U	5 U	5 U	4.6	1 U	1 U	1 U	1 U	1 U
09/12	1 U	1 U	1 U	1 U	13.9	1 U	1 U	1 U	1 U	1 U	1 U	7.73	9.67	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
03/13	1 U	1 U	1 U	1 U	17.2	1 U	1 U	1 U	1 U	1 U	2.87	8.01	10.2	5 U	5 U	5 U	5 U	5 U	4.56	1 U	1 U	1 U	1 U	5 U
09/13	1 U	1 U	1 U	1 U	16.6	1 U	1 U	1 U	1 U	1.09	2.52	7.87	11.5	5 U	5 U	5 U	5 U	5 U	4.17	1 U	1 U	1 U	1 U	5 U
03/14	1 U	1 U	1 U	1 U	13.8	1 U	1 U	1 U	1 U	--	2.5	6.96	9.56	5 U	5 U	5 U	5 U	5 U	3.61	--	1 U	1 U	1 U	5 U
09/14	1 U	1 U	1 U	1 U	14	1 U	1 U	1 U	1 U	1 U	2.64	5.44	8.49	5 U	5 U	5 U	5 U	5 U	3.28	1 U	1 U	1 U	1 U	5 U
03/15	1 U	1 U	1 U	1 U	12.8	1 U	1 U	1 U	1 U	1 U	2.35	6.23	8.23	5 U	5 U	5 U	5 U	5 U	3.18	1 U	1 U	1 U	1 U	5 U
09/15	1 U	1 U	1 U	1 U	12	1 U	1 U	1 U	1 U	1 U	2.19	6.03	7.91	5 U	5 U	5 U	5 U	5 U	2.96	1 U	1 U	1 U	1 U	5 U
03/16	1 U	1 U	1 U	1 U	13.3	1 U	1 U	1 U	1 U	1 U	2.32	6.58	8.87	5 U	5 U	5 U	5 U	5 U	3.11	1 U	1 U	1 U	1 U	5 U
08/16	1 U	1 U	1 U	1 U	10.7	1 U	1 U	1 U	1 U	1 U	1.94	5.53	7.86	5 U	5 U	5 U	5 U	5 U	2.58	1 U	1 U	1 U	1 U	5 U
03/17	1 U	1 U	1 U	1 U	10.7	1 U	1 U	1 U	1 U	1 U	1.97	5.82	8.95	5 U	5 U	5 U	5 U	5 U	2.56	1 U	1 U	1 U	1 U	5 U
09/17	1 U	1 U	1 U	1 U	7.38	1 U	1 U	1 U	1 U	1 U	1.7	7.97	8.09	5 U	5 U	5 U	5 U	5 U	2.53	1 U	1 U	1 U	1 U	5 U
03/18	1 U	1 U	1 U	1 U	9.75	1 U	1 U	1 U	1 U	1 U	2.02	5.65	8.06	5 U	5 U	5 U	5 U	5 U	2.25	1 U	1 U	1 U	1 U	5 U
10/18	1 U	1 U	1 U	1 U	9.02	1 U	1 U	1 U	1 U	1 U	1.84	4.93	7.2	5 U	5 U	5 U	5 U	5 U	1.91	1 U	1 U	1 U	1 U	5 U
04/19	1 U	1 U	1 U	1 U	9.9	1 U	1 U	1 U	1 U	1 U	1.7	5.3	6.1	5 U	5 U	5 U	5.5	5 U	1.6	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	1 U	1 U	9.1	1 U	1 U	1 U	1 U	1 U	1.4	4.6	6.4	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U	1 U	1 U	1 U
03/20	1 U	1 U	1 U	1 U	8.7	1 U	1 U	1 U	1 U	1 U	1.4	5.2	6.6	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>07/20</b>		1 U	1 U	1 U	1 U	8.2	1 U	1 U	0.047 U	0.019 U	1 U	1.6	4.9	6.3	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	6.6	1 U	1 U	0.047 U	0.019 U	1 U	1.1	3.4	6.1	5 U	5 U	5 U	5 U	5 U	1.3	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	1 U	6.8	1 U	1 U	0.047 U	0.019 U	1 U	1.1	3.7	5.6	5 U	5 U	5 U	5 U	5 U	1.3	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	7.2	1 U	1 U	0.047 U	0.019 U	1 U	1.1	3.8	5.7	5 U	5 U	5 U	5 U	5 U	1.3	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	6.0	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.2	3.6	5.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
	5	100	100	80	80	70	70	80	700	10000				5	10000	100	5	1000	100			5			
<b>07/10</b>	1 U	2	1 U	1 U	1 U	140	1 U	1 U	1 U	2 U	20 U	--	1 U	11	1 U	1 U	38	1 U	5	1 U	5 U	38	2	1 U	
<b>09/10</b>	2 U	1.63	1.14	2 U	0.76	101	2 U	2 U	2 U	4 U	2 U	0.96	2 U	8.5	2 U	2 U	22.7	2 U	4.45	2 U	2 U	32	1.71	2 U	
<b>04/11</b>	1 U	1 U	1 U	1 U	4.6	3.9	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	
<b>09/11</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	11	--	1 U	27	1 U	7.3	1 U	5 U	28	4.7	1 U	
<b>03/12</b>	1 U	2.2	1 U	1 U	1 U	110	1 U	1 U	1 U	--	1 U	1 U	1 U	4.2	--	1 U	30	1 U	4.3	1 U	5 U	32	1.3	1 U	
<b>09/12</b>	1 U	1 U	1 U	1 U	1 U	82	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.95	1 U	1 U	26.5	1 U	1 U	1 U	5 U	27.6	1 U	5 U	
<b>03/13</b>	1 U	2.03	1 U	1 U	1 U	102	1 U	1 U	1 U	2 U	5 U	5 U	1 U	7.2	1 U	1 U	27	1 U	4.22	1 U	5 U	29.5	1.27	5 U	
<b>09/13</b>	1 U	2.29	1 U	1 U	1 U	109	1 U	1 U	1 U	2 U	5 U	5 U	1 U	6.55	1 U	1 U	24.2	1 U	4.18	1 U	5 U	34.5	1 U	5 U	
<b>03/14</b>	1 U	1.98	1 U	1 U	1 U	83.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.62	1 U	1 U	21.1	1 U	3.31	1 U	5 U	22.9	1 U	5 U	
<b>09/14</b>	1 U	1.67	1 U	1 U	1 U	79.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.53	1 U	1 U	16.8	1 U	3.6	1 U	5 U	20.2	1.09	5 U	
<b>03/15</b>	1 U	1.81	1 U	1 U	1 U	79.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.84	1 U	1 U	15.8	1 U	3.03	1 U	5 U	19	1 U	5 U	
<b>09/15</b>	1 U	1.75	1 U	1 U	1 U	73.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.71	1 U	1 U	15.2	1 U	2.89	1 U	5 U	20.7	1 U	5 U	
<b>03/16</b>	1 U	1.92	1 U	1 U	1 U	78.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.95	1 U	1 U	16.7	1 U	3.18	1 U	5 U	19.9	1 U	5 U	
<b>08/16</b>	1 U	1.62	1 U	1 U	1 U	67.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.95	1 U	1 U	14.2	1 U	2.57	1 U	5 U	16.6	1 U	5 U	
<b>03/17</b>	1 U	1.72	1 U	1 U	1 U	69	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.99	1 U	1 U	15.6	1 U	2.69	1 U	5 U	17.2	1 U	5 U	
<b>09/17</b>	1 U	1.59	1 U	1 U	1 U	46.1	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.44	1 U	1 U	14.6	1 U	1.75	1 U	5 U	20.5	1 U	5 U	
<b>03/18</b>	1 U	1.68	1 U	1 U	1 U	63.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.51	1 U	1 U	13.4	1 U	2.32	1 U	5 U	15.4	1 U	5 U	
<b>10/18</b>	1 U	1.44	1 U	1 U	1 U	54.1	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.07	1 U	1 U	12.5	1 U	2.21	1 U	5 U	13.8	1 U	5 U	
<b>04/19</b>	1 U	1.3	1 U	1 U	1 U	58.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.7	1 U	1 U	9.7	1 U	2.3	1 U	1 U	12.3	1 U	1 U	
<b>08/19</b>	1 U	1.4	1 U	1 U	1 U	56.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	9.9	1 U	2.2	1 U	1 U	11	1 U	1 U	
<b>03/20</b>	1 U	1.2	1 U	1 U	1 U	57	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	11.2	1 U	2.1	1 U	1 U	11.9	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
	5	100	80	80	70	80	700	10000	5	10000	100	5	1000	100	5	1000	100	5	1000	100	5	5	5	5	5
<b>07/20</b>	1 U	1.3	1 U	1 U	1 U	58.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	11.3	1 U	2.2	1 U	1 U	12.3	1 U	1 U
<b>03/21</b>	1 U	1.2	1 U	1 U	1 U	41	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	9.2	1 U	1.6	1 U	1 U	9	1 U	1 U
<b>08/21</b>	1 U	1.2	1 U	1 U	1 U	42.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	8.5	1 U	1.6	1 U	1 U	8.5	1 U	1 U
<b>04/22</b>	1 U	1.1	1 U	1 U	1 U	45.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	9	1 U	1.7	1 U	1 U	9.2	1 U	1 U
<b>08/22</b>	1.0 U	1.1	1.0 U	1.0 U	1.0 U	40.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9	1.0 U	1.0 U	7.7	1.0 U	1.2	1.0 U	1.0 U	7.7	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/10</b>		13	--
<b>09/10</b>		17.2	--
<b>04/11</b>		1 U	1 U
<b>09/11</b>		25	1 U
<b>03/12</b>		12	1 U
<b>09/12</b>		9.83	1 U
<b>03/13</b>		11.4	1 U
<b>09/13</b>		9.96	1 U
<b>03/14</b>		8.49	1 U
<b>09/14</b>		10.8	1 U
<b>03/15</b>		8.03	1 U
<b>09/15</b>		7.37	1 U
<b>03/16</b>		8.09	1 U
<b>08/16</b>		6.51	1 U
<b>03/17</b>		6.4	1 U
<b>09/17</b>		4.42	1 U
<b>03/18</b>		5.26	1 U
<b>10/18</b>		5.46	1 U
<b>04/19</b>		6	1 U
<b>08/19</b>		5.6	1 U
<b>03/20</b>		5	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>07/20</b>		5.2	1 U
<b>03/21</b>		4.5	1 U
<b>08/21</b>		3.9	1 U
<b>04/22</b>		3.9	1 U
<b>08/22</b>		2.9	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-14A - General Parameters**

	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)	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)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10												
<b>09/11</b>	16	0.26	56	300	--	490	2.6	--	5.40	--	--	980	11	--	720	--	360	--	--
<b>04/19</b>	17.6	0.1 U	10	160	7.22	173	3.3	228.1	--	5.35	5.54	731	590	15.5	17.3	526	125	9.08	8.2
<b>08/19</b>	7.5	0.1 U	16.6	354	7.21	323	5.4	231.5	--	4.91	5.45	1.14	1160	24.4	17.1	1020	64	11.2	8.92
<b>03/20</b>	15.7	0.1 U	3 U	242	6.64	236	2.84	247.2	--	5.05	5.52	1085	876	15.7	18.2	603	317	13.4	28.1
<b>08/20</b>	11.4	0.1 U	17.9	301	6.45	295	2.57	331.3	--	5.33	5.28	962	1080	15	18.4	633	405	107	318.2
<b>03/21</b>	19	0.1 U	3 U	201	5.79	162	2.6	256.1	--	5.28	5.52	722	751	19.9	18.2	384	708	24.8	165
<b>09/21</b>	23	0.05 U	9.5	90.8	5.6	112	3.18	271.4	--	6.10	5.51	393.6	418	19.2	21.5	242	130	31.7	85.9
<b>04/22</b>	24.3	0.1 J	3 U	73.4	5.83	96.9	2.54	223.8	--	5.34	5.57	358.6	374.2	22.8	17.3	223	1340	324	415
<b>08/22</b>	24.2	0.07 J	4.5 J	81.4	5.75	165	2.57	222.50	--	5.33	5.47	358	389.8	20.3	18.8	242	1000	446	888.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-14A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/11</b>	0.001 U	0.0007 J	0.62	0.001 U	0.0007	--	0.027	0.015	0.046	--	0.0023	--	--	0.0002 U	0.073	--
<b>04/19</b>	0.001 U	0.001 U	0.242	0.001 U	0.001 U	30	0.0106	0.00423	0.0107	2.39	0.001 U	23.8	0.0389	0.0001 U	0.0243	2.98
<b>08/19</b>	0.001 U	0.001 U	0.419	0.001 U	0.001 U	55.8	0.00766	0.00399	0.00858 B	2.18	0.001 U	44.7	0.046	0.0001 U	0.0343	3.71
<b>03/20</b>	0.001 U	0.001 U	0.311	0.001 U	0.001 U	40.7	0.01	0.00315	0.00944	1.42	0.001 U	32.7	0.0301	0.0001 U	0.0286	3.22
<b>08/20</b>	0.001 U	0.001 U	0.474	0.001 U	0.001 U	46.5	0.0344	0.0121	0.0447	13.2	0.00191	43.5	0.136	0.0001 U	0.061	5.73
<b>03/21</b>	0.001 U	0.001 U	0.208	0.001 U	0.001 U	27.8	0.00801	0.0032	0.0107	2.15	0.001 U	22.6	0.0314	0.0001 U	0.0168	2.79
<b>09/21</b>	0.001 U	0.001 U	0.152	0.001 U	0.001 U	19.9	0.0137	0.00273	0.0101	3.03	0.001 U	15.3	0.0357	0.0001 U	0.0208	2.54
<b>04/22</b>	0.001 U	0.001 U	0.219	0.001 U	0.001 U	17.4	0.0113	0.00957 J	0.0279	3.25	0.00177 J	13	0.164	0.0001 U	0.0232	2.54
<b>08/22</b>	0.00100 U	0.00100 U	0.339	0.00100 U	0.00100 U	20.4	0.0916	0.0266	0.11	34.8	0.00420	27.7	0.319	0.000100 U	0.104	8

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14A - Total Metals**

	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	0.05			0.002		
<b>09/11</b>	0.001 U	0.001 U	--	0.001 U	0.035	0.083
<b>04/19</b>	0.001 U	0.001 U	40.9	0.001 U	0.00611	0.0407
<b>08/19</b>	0.001 U	0.001 U	69.8	0.001 U	0.00548	0.0683
<b>03/20</b>	0.001 U	0.001 U	60.4	0.001 U	0.0029	0.0487
<b>08/20</b>	0.001 U	0.001 U	67.3	0.001 U	0.0327	0.0962
<b>03/21</b>	0.001 U	0.001 U	60	0.001 U	0.00607	0.0424
<b>09/21</b>	0.001 U	0.001 U	31.4	0.001 U	0.0077	0.03
<b>04/22</b>	0.001 U	0.001 U	29.4	0.001 U	0.0113	0.0431
<b>08/22</b>	0.00156 J	0.00100 U	33.8	0.00100 U	0.0820	0.12 B

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/11</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	8.9	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/11</b>	5	1 U	1 U	1 U	0.9 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/11</b>	1 U	--	
<b>04/19</b>	1 U	1 U	
<b>08/19</b>	1 U	1 U	
<b>03/20</b>	1 U	1 U	
<b>08/20</b>	1 U	1 U	
<b>03/21</b>	1 U	1 U	
<b>09/21</b>	1 U	1 U	
<b>04/22</b>	1 U	1 U	
<b>08/22</b>	1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14B - General Parameters**

	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)	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)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10												
<b>09/11</b>	35	0.27	20 U	7.5	--	38	2.7	--	5.80	--	--	--	120	0.2 U	--	140	--	2.7	--
<b>04/19</b>	34.3	0.1 U	11	20.7	5.11	59.1	5.4	147.8	--	5.81	5.99	213.9	174	2.5	15	184	95.2	6.55	6.2
<b>08/19</b>	35.6	0.1 U	6.5	23.6	5.24	65.4 B	5.2	134.9	--	5.48	5.87	0.185	187	2.1	16.2	164	67.5	4.38	4.26
<b>03/20</b>	33.5	0.1 U	7.4	20.2	5.43	59.9	5.09	188	--	5.56	6.04	203.3	178	2.06	14.9	134	27.1	3.5	10.5
<b>08/20</b>	25.6	0.1 U	19.6	17.9	4.88	57.9	4.37	283.1	--	5.94	2.31	1630	2480	2.7	17.8	122	7.7	4.13	2.1
<b>03/21</b>	42	0.1 U	3 U	21.9	4.91	56.6	4.88	225.1	--	5.70	5.94	164.7	183	2.3	15.1	128	11.2	2.54	10
<b>09/21</b>	38.9	0.05 U	23.5	22.6	4.76	64.6	4.95	255.4	--	5.70	5.80	185.9	195	1.9	20	154	2.7	2.02	10.1
<b>04/22</b>	39.9	0.04 J	3 U	23.7	5.66	64.2	4.9	190.7	--	5.71	5.87	180.4	201	4.8	15.2	139	53.7	3.5	70
<b>08/22</b>	38.8	0.02	7.0 J	25.0	4.98	74.5	4.74	210.40	--	5.57	5.78	181.6	203.8	2.2 J	14.8	147	57.8	12.4	14.50

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/11</b>	0.001 U	0.001 U	0.013	0.001 U	0.001 U	--	0.0016	0.001 U	0.001 U	--	0.001 U	--	--	0.0002 U	0.0014	--
<b>04/19</b>	0.001 U	0.001 U	0.0172	0.001 U	0.001 U	11.8	0.00374	0.001 U	0.00215	0.351	0.001 U	7.2	0.0143	0.0001 J	0.003	1.53
<b>08/19</b>	0.001 U	0.001 U	0.0176	0.001 U	0.001 U	13 B	0.00406	0.001 U	0.00142	0.591	0.001 U	7.98	0.021	0.0001 U	0.00367	1.53
<b>03/20</b>	0.001 U	0.001 U	0.0154	0.001 U	0.001 U	11.7	0.00642	0.001 U	0.001 U	0.249	0.001 U	7.43	0.00505	0.0001 U	0.0048	1.47
<b>08/20</b>	0.001 U	0.001 U	0.0175	0.001 U	0.001 U	11.8	0.00464	0.001 U	0.00166	0.268	0.001 U	6.91	0.0063	0.0001 U	0.00293	1.52
<b>03/21</b>	0.001 U	0.001 U	0.0155	0.001 U	0.001 U	11.6	0.0022	0.001 U	0.001 U	0.204	0.001 U	6.7	0.0102	0.0001 U	0.001 U	1.35
<b>09/21</b>	0.001 U	0.001 U	0.017	0.001 U	0.001 U	13.3	0.00318	0.001 U	0.001 U	0.134	0.001 U	7.59	0.00493	0.0001 U	0.00194	1.52
<b>04/22</b>	0.001 U	0.001 U	0.0164	0.001 U	0.001 U	13.8	0.00164	0.001 U	0.001 U	0.12	0.001 U	7.24	0.0146	0.0001 U	0.00183 J	1.4
<b>08/22</b>	0.00100 U	0.00100 U	0.0212	0.00100 U	0.00100 U	15.5	0.00380 J	0.00100 U	0.00222	1.17	0.00100 U	8.72	0.0317	0.000100 U	0.00317 J	1.68

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-14B - Total Metals**

	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	0.05			0.002		
<b>09/11</b>	0.001 U	0.001 U	--	0.001 U	0.005 U	0.01 U
<b>04/19</b>	0.001 U	0.001 U	8.01	0.001 U	0.001 U	0.00554
<b>08/19</b>	0.001 U	0.001 U	8.51 B	0.001 U	0.001 U	0.00711 B
<b>03/20</b>	0.001 U	0.001 U	8.02	0.001 U	0.001 U	0.004 U
<b>08/20</b>	0.001 U	0.001 U	7.96	0.001 U	0.001 U	0.0144
<b>03/21</b>	0.001 U	0.001 U	7.45	0.001 U	0.00139	0.004 U
<b>09/21</b>	0.001 U	0.001 U	8.46	0.001 U	0.001 U	0.004 U
<b>04/22</b>	0.001 U	0.001 U	7.8	0.001 U	0.001 U	0.004 U
<b>08/22</b>	0.00100 U	0.00100 U	8.65	0.00100 U	0.00173 J	0.00496 JB

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/11</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	6.9	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.046 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/11</b>	5	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/19</b>	5	1 U	1 U	1 U	1.3	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	5	1 U	1 U	1 U	1.3	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	5	1 U	1 U	1 U	1.1	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-14B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/11</b>	1 U	--	
<b>04/19</b>	1 U	1 U	
<b>08/19</b>	1 U	1 U	
<b>03/20</b>	1 U	1 U	
<b>08/20</b>	1 U	1 U	
<b>03/21</b>	1 U	1 U	
<b>09/21</b>	1 U	1 U	
<b>04/22</b>	1 U	1 U	
<b>08/22</b>	1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-15 - General Parameters**

	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)	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)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>	30	0.39	51	11	--	63	3.1	--	5.70	--	--	--	120	0.3	--	100	--	440	--
<b>09/11</b>	30	0.39	51	11	--	63	3.1	--	5.70	--	--	--	120	0.3	--	100	--	440	--
<b>04/19</b>	24	0.1 U	12	25.3	4.68	71.8	5.2	233.5	--	5.52	5.78	215.4	175	3.8	16.6	448	1500	114	203
<b>08/19</b>	1 U	0.15	6.5	28.1	4.53	81.5 B	5.3	237.3	--	5.17	5.61	0.195	522	80.6	17	162	144	58.2	54
<b>03/20</b>	25.1	0.1 U	5.1	37	0.51	90	4.89	225.5	--	5.27	5.77	303.1	228	8.7	16.5	164	627	82.2	58.8
<b>08/20</b>	16.7	0.1 U	13.7	30.6	4.48	78.2	4.57	327.3	--	5.48	5.56	190.6	211	10	18.3	151	734	81.5	38.8
<b>03/21</b>	27	0.1 U	3 U	29.5	4.02	65.9	4.74	229.3	--	5.49	5.66	199.8	208	8.5	17.3	145	234	36.8	205.1
<b>09/21</b>	29.8	0.05 U	8.9	31.5	41.8	74.7	4.78	282.3	--	5.94	5.61	190.1	213	4.8	16.9	169	282	17.7	205
<b>04/22</b>	30.9	0.07 J	3 U	34.7	4.63	75.5	4.68	211.7	--	5.45	5.67	204.4	234.6	6.4	16	117	291	77.2	300
<b>08/22</b>	27.5	0.07 J	12.8	34.9	4.57	110	4.65	250.10	--	5.40	5.54	201.3	228.6	5.4	16.9	146	956	271	30.50

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-15 - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/11</b>	0.001 U	0.0018	0.16	0.001 U	0.001 U	--	0.012	0.013	0.056	--	0.0052	--	--	0.0002 U	0.015	--
<b>04/19</b>	0.001 U	0.001 U	0.0829	0.001 U	0.001 U	10.4	0.0134	0.0053	0.0598	11.4	0.00251	11.1	0.167	0.0001 U	0.0152	1.98
<b>08/19</b>	0.001 U	0.001 U	0.0905	0.001 U	0.001 U	11.5 B	0.018	0.00553	0.0453	13.1	0.00275	12.8	0.194	0.0001 U	0.0199	1.89
<b>03/20</b>	0.001 U	0.001 U	0.0983	0.001 U	0.001 U	12.6	0.0175	0.00541	0.0416	12.4	0.00244	14.2	0.188	0.0001 U	0.0198	2.03
<b>08/20</b>	0.001 U	0.001 U	0.0872	0.001 U	0.001 U	11	0.0105	0.00391	0.0313	8.78	0.00225	12.3	0.141	0.0001 U	0.0126	2.03
<b>03/21</b>	0.001 U	0.001 U	0.0574	0.001 U	0.001 U	11.1	0.00802	0.00168	0.0119	2.98	0.001 U	9.27	0.0505	0.0001 U	0.00461	1.61
<b>09/21</b>	0.001 U	0.001 U	0.0688	0.001 U	0.001 U	12.2	0.00775	0.00323	0.0172	4.64	0.00116	10.7	0.0881	0.0001 U	0.00887	1.78
<b>04/22</b>	0.001 U	0.001 U	0.0766	0.001 U	0.001 U	13.8	0.00443	0.00218	0.00932	11.09	0.00113	9.95	0.065	0.0001 U	0.00584	1.68
<b>08/22</b>	0.00100 U	0.00149	0.171	0.00100 U	0.00100 U	14.6	0.0246	0.0114	0.0861	26.9	0.00576	17.8	0.391	0.000100 U	0.0310	2.29

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-15 - Total Metals**

	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	0.05			0.002		
<b>09/11</b>	0.001 U	0.001 U	--	0.001 U	0.012	0.05
<b>04/19</b>	0.00162	0.001 U	7.15	0.001 U	0.00995	0.0488
<b>08/19</b>	0.00231	0.001 U	8.21 B	0.001 U	0.00919	0.055 B
<b>03/20</b>	0.00175	0.001 U	10.9	0.001 U	0.00898	0.0477
<b>08/20</b>	0.00159	0.001 U	9.22	0.001 U	0.00782	0.0402
<b>03/21</b>	0.001 U	0.001 U	7.55	0.001 U	0.00314	0.0195
<b>09/21</b>	0.001 U	0.001 U	8.35	0.001 U	0.0038	0.0234
<b>04/22</b>	0.00109 J	0.001 U	8.76	0.001 U	0.0023 J	0.0104
<b>08/22</b>	0.00310 J	0.00100 U	9.14	0.00100 U	0.0222	0.0987 B

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-15 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	
<b>09/11</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	5.6 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-15 - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/11</b>	5	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-15 - Volatile Organic Compounds**

	MCL	2	Vinyl Chloride (ug/L)	10000	Xylene (ug/L)
<b>09/11</b>			1 U	--	
<b>04/19</b>			1 U	1 U	
<b>08/19</b>			1 U	1 U	
<b>03/20</b>			1 U	1 U	
<b>08/20</b>			1 U	1 U	
<b>03/21</b>			1 U	1 U	
<b>09/21</b>			1 U	1 U	
<b>04/22</b>			1 U	1 U	
<b>08/22</b>			1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	235	0.2 U	31.8	105	0.41	270	0.2 U	133	6.43	--	791.1	--	13	20.23	463	--	--	4.3
<b>03/18</b>	229	0.2 U	32.6	108	--	330	0.2 U	-19	6.39	--	698.6	--	14.1	14.9	426	--	--	1.3
<b>09/18</b>	224	0.2 U	28.2	72.4	--	165	2.17	-38	6.23	--	655.4	--	14.9	23.79	358	--	--	7
<b>04/19</b>	200	0.19	21	37.2	0.13	138 B	0.5	-20.8	6.16	6.43	746	604	16.4	21.3	365	72.7	25.7	36.4
<b>08/19</b>	217	0.13	32.8	59.4	0.25	153	8.4	-0.3	6.02	6.40	0.675	659	20	22.4	408	29.3	37.1	6.59
<b>03/20</b>	240	0.18	29.6	73	0.39	186	3.81	-38.3	6.26	6.49	782	731	20.5	20.6	431	21.6	28.7	19.8
<b>08/20</b>	215	0.12	40.9	64.5	0.5	203	7.84	45.2	6.04	6.44	675	718	20	21.1	448	393	389	50.3
<b>03/21</b>	208	0.14	15.3	52.6	0.01	168	14.8	-51.2	6.15	6.31	881	734	43.5	21.2	437	416	92	129.1
<b>08/21</b>	262	0.098	41.5	70.8	0.55	190	4.38	-16.9	6.41	6.39	807	765	29.4	23.3	277	803	56.3	66.5
<b>04/22</b>	252	0.19 J	27.3	97.4	0.84	217	2.21	-35.6	6.27	6.41	923	852.7	27.9	20.7	480	246	55	58.2
<b>08/22</b>	260	0.17 J	36.1	75.3	0.61	209	5.68	-56.10	6.27	6.51	838.0	787	28.1	23.3	441	788	286	447.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-16A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)	Selenium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002			0.05
<b>09/17</b>	0.005 U	0.005 U	0.318	0.005 U	0.005 U	46.8	0.005 U	0.00728	0.00671	12.2	0.005 U	55	8.83	0.0002 U	0.00892	3.57	0.005 U
<b>03/18</b>	0.005 U	0.005 U	0.3	0.005 U	0.005 U	27.1	0.005 U	0.00764	0.005 U	12.7	0.005 U	31.3	9.51	0.0002 U	0.00686	3.64	0.005 U
<b>09/18</b>	0.002 U	0.00354	0.264	0.002 U	0.002 U	22.3	0.00434	0.00604	0.00352	11.6	0.002 U	26.7	9.57	0.0002 U	0.00676	3.55	0.00308
<b>04/19</b>	0.001 U	0.0021	0.217	0.001 U	0.001 U	16.4	0.0215	0.00695	0.00778	6.87	0.00131	23.7	12.7	0.0001 U	0.0193	3.53	0.001 U
<b>08/19</b>	0.001 U	0.00221	0.234	0.001 U	0.001 U	17.6	0.0161	0.00545	0.008 B	7.64	0.00178	26.6	9.06	0.0001 U	0.014	3.39	0.001 U
<b>03/20</b>	0.001 U	0.00306	0.309	0.001 U	0.001 U	20.7	0.00755	0.00711	0.00242	10.5	0.001 U	32.6	10.7	0.0001 U	0.0104	3.98	0.001 U
<b>08/20</b>	0.001 U	0.00489	0.358	0.00112	0.001 U	20.8	0.0631	0.0181	0.0787	20.4	0.0106	36.6	11	0.000332	0.0574	6.48	0.00416
<b>03/21</b>	0.001 U	0.00281	0.271	0.001 U	0.001 U	19.7	0.00533	0.00657	0.0113 B	8.24	0.00268	28.9	9.53	0.0001 U	0.00974	3.96	0.00109
<b>08/21</b>	0.001 U	0.00392	0.333	0.001 U	0.001 U	22.5	0.0215	0.00818	0.0164	10.9	0.00321	32.6	10.2	0.000112	0.0281	4.69	0.001 U
<b>04/22</b>	0.001 U	0.00268	0.346	0.001 U	0.001 U	28.3	0.0104	0.00972	0.00455 J	9.92	0.00149 J	35.6	9.65	0.0001 U	0.0145	4.06	0.001 U
<b>08/22</b>	0.00100 U	0.00835	0.47	0.00111 J	0.00100 U	25.1	0.0197	0.0140	0.0605	23.4	0.0143	35.5	9.19	0.000503	0.0318	6.23	0.00430 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16A - Total Metals**

	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>			0.002		
<b>09/17</b>	0.005 U	125	0.005 U	0.005 U	0.0493
<b>03/18</b>	0.005 U	81.1	0.005 U	0.005 U	0.0273
<b>09/18</b>	0.002 U	68.3	0.001 U	0.002 U	0.00957
<b>04/19</b>	0.001 U	59.6	0.001 U	0.00173	0.0246 B
<b>08/19</b>	0.001 U	70	0.001 U	0.0012	0.0183 B
<b>03/20</b>	0.001 U	85.9	0.001 U	0.001 U	0.0084
<b>08/20</b>	0.001 U	78.8	0.001 U	0.0142	0.136
<b>03/21</b>	0.001 U	73.2	0.001 U	0.00234	0.0363
<b>08/21</b>	0.001 U	89.4	0.001 U	0.00405	0.039
<b>04/22</b>	0.001 U	87.5	0.001 U	0.001 U	0.0119
<b>08/22</b>	0.00100 U	86.7	0.00100 U	0.0141	0.11

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.99	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/18</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.09	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.79	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		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	5 U	5 U	5 U	6.3 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	2	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	2.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/17</b>	5	12	1	1	1	1	1	1	1	2	5	5	1	1	1	1	1	1	1	1	1	5	1	1	5
<b>03/18</b>	5	11.2	1	1	1	1	1	1	1	2	5	5	1	1	1	1	1	1	1	1	1	5	1	1	5
<b>09/18</b>	5	6.77	1	1	1	1	1	1	1	2	5	5	1	1	1	1	1	1	1	1	1	5	1	1	5
<b>04/19</b>	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>08/19</b>	5	4.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>03/20</b>	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>08/20</b>	5	4.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>03/21</b>	5	2.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>08/21</b>	5	4.2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>04/22</b>	5	5.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>08/22</b>	5	4.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>03/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>08/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>08/21</b>		1 U	1 U
<b>04/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-16B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	167	0.2 U	30.7	329	--	460	1.54	301	6.01	--	1246	--	8.36	18.95	825	--	--	4.7
<b>03/18</b>	168	0.2 U	39.8	338	--	124	1.49	30	6.08	--	1219	--	8.6	13.84	774	--	--	2.2
<b>09/18</b>	128	0.2 U	22.2	180	--	342	3.58	118	5.99	--	870.5	--	17.6	19.89	498	--	--	6.8
<b>04/19</b>	146	0.1 U	30	210	0.09	329 B	0.2 U	83.2	5.94	6.23	1174	961	14.7	19.4	588	7.5	4.29	3.7
<b>08/19</b>	151	0.1 U	27.4	257	0.25	368	2.3	105.8	5.66	6.09	1069	1050	7.8	19.4	719	2.3 U	3.29	9.8
<b>03/20</b>	159	0.1 U	39.6	126	0.64	436	0.48	106.8	5.95	6.20	1150	1110	3.94	19.6	650	2.6	5.98	0.7
<b>08/20</b>	144	0.1 U	46	208	3.32	354	0.99	142.2	6.43	6.05	942	992	5.83	22.7	529	3.7	0.644	3.5
<b>03/21</b>	144	0.1 U	18.9	205	0.29	322	2.65	175.1	5.92	6.08	1069	987	6.8	18.7	580	2.3 J	1.26	2.91
<b>08/21</b>	185	0.035 J	48.4	248	0.85	394	1.16	71.2	6.14	6.16	1118	1110	4.4	21.8	331	34.4	14.5	26.5
<b>04/22</b>	188	0.27 J	29.3	261	1.05	429	0.745 J	68.5	5.49	6.20	1138	1216	9.1	17.3	631	47.4	4.77	10.75
<b>08/22</b>	196	0.09 J	46.4	257	0.61	418	0.479	80.10	5.93	6.44	1178	1174	2.5 J	22.3	627	20.2	6.73	8.20

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/17</b>	0.005 U	0.005 U	0.0743	0.005 U	0.005 U	88.5	0.005 U	0.0139	0.00631	2	0.005 U	76.1	13.1	0.0002 U	0.0216	4.43
<b>03/18</b>	0.002 U	0.005	0.059	0.002 U	0.002 U	82.8	0.0052	0.0125	0.002 U	0.92	0.002 U	70	15	0.0002 U	0.0196	4.22
<b>09/18</b>	0.002 U	0.00253	0.0289	0.002 U	0.002 U	59.3	0.00354	0.00846	0.002 U	0.83	0.002 U	47.1	8.51	0.0002 U	0.013	3.49
<b>04/19</b>	0.001 U	0.001 U	0.0271	0.001 U	0.001 U	51.7	0.00441	0.00784	0.00154	0.655	0.001 U	48.6	16.3	0.0001 U	0.0172	3.61
<b>08/19</b>	0.001 U	0.00112	0.0279	0.001 U	0.001 U	54.8	0.00172	0.00777	0.001 U	0.975	0.001 U	56.1	10	0.0001 U	0.0134	3.63
<b>03/20</b>	0.001 U	0.00143	0.0299	0.001 U	0.001 U	63	0.00486	0.00885	0.00307	1.32	0.001 U	67.6	12.3	0.0001 U	0.015	4.18
<b>08/20</b>	0.001 U	0.001 U	0.0312	0.001 U	0.001 U	56.4	0.00651	0.0102	0.00255	0.106	0.001 U	51.7	11.7	0.0001 U	0.0244	3.85
<b>03/21</b>	0.001 U	0.001 U	0.0218	0.001 U	0.001 U	50.5	0.001 U	0.00622	0.00243	0.169	0.001 U	47.5	8.62	0.0001 U	0.0146	3.47
<b>08/21</b>	0.001 U	0.00246	0.031	0.001 U	0.001 U	59.1	0.00983	0.00827	0.00295	3.88	0.001 U	59.9	12	0.0001 U	0.0203	4.16
<b>04/22</b>	0.001 U	0.00179	0.0339	0.001 U	0.001 U	69.4	0.0049	0.00935	0.00295	2.27	0.001 U	62.2	12.5	0.0001 U	0.0148	4.11
<b>08/22</b>	0.00100 U	0.00177	0.0337	0.00100 U	0.00100 U	65	0.00473	0.00880	0.00293	2.29	0.00100 U	62	12.6	0.000100 U	0.0128	4.14

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16B - Total Metals**

	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	0.05			0.002		
<b>09/17</b>	0.00624	0.005 U	50.3	0.005 U	0.005 U	0.0468
<b>03/18</b>	0.0117	0.002 U	48.1	0.001 U	0.002 U	0.0178
<b>09/18</b>	0.00591	0.002 U	31.8	0.001 U	0.002 U	0.00637
<b>04/19</b>	0.001 U	0.001 U	36	0.001 U	0.001 U	0.00673 B
<b>08/19</b>	0.001 U	0.001 U	39.9	0.001 U	0.001 U	0.00795 B
<b>03/20</b>	0.001 U	0.001 U	49.4	0.001 U	0.001 U	0.00727
<b>08/20</b>	0.001 U	0.001 U	37.7	0.001 U	0.001 U	0.0122
<b>03/21</b>	0.001 U	0.001 U	35.6	0.001 U	0.001 U	0.0094
<b>08/21</b>	0.001 U	0.001 U	53.6	0.001 U	0.00262	0.00757
<b>04/22</b>	0.001 U	0.001 U	56.7	0.001 U	0.001 U	0.00975 J
<b>08/22</b>	0.00100 U	0.00100 U	57.7	0.00100 U	0.00124 J	0.0103

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16B - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.02	1 U	1 U	7.56	5 U	5 U	5 U	5 U	5 U	1.25	1 U	1 U	1 U	1 U	5 U
<b>03/18</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.57	5 U	5 U	5 U	5 U	5 U	1.1	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.89	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	5 U	5 U	5 U	9.5 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	4.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	4.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	5.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	3.8	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/17</b>	5	1 U	12.2	1 U	1 U	1 U	6.59	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>03/18</b>	100	1 U	10.5	1 U	1 U	1 U	4.83	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/18</b>		1 U	9.52	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>04/19</b>		1 U	10.3	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		1 U	11.8	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	11.5	1 U	1 U	1 U	1.1	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 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	9.9	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	11.3	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>		1 U	10.3	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>		1 U	10.1	1 U	1 U	1 U	3.9	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 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	9.7	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-16B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>03/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>08/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>08/21</b>		1 U	1 U
<b>04/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	60	0.2 U	10 U	288	0.67	268	2.03	414	5.80	--	1090	--	11.3	17.9	685	--	--	0
<b>04/18</b>	50.5	0.2 U	10 U	304	--	243	2.57	290	5.78	--	962.2	--	12.9	14.12	646	--	--	5.2
<b>09/18</b>	52.3	0.2 U	10 U	290	--	255	2.06	207	5.66	--	1005	--	12.8	19.67	593	--	--	0
<b>04/19</b>	57.2	0.1 U	5	267	0.11	269 B	2.1	181.1	5.71	5.86	1192	1010	13.6	14.4	795	81	13.4	9.1
<b>08/19</b>	61.4	0.1 U	3 U	290	0.17	268 B	2.3	190.5	5.42	5.95	1.01	1040	13.5	15.2	797	17	34.3	8.25
<b>03/20</b>	58.4	0.1 J	3 U	257	0.53	268	2.13	255.7	5.54	5.97	1196	990	14	13.4	643	47.9	3.5	11.2
<b>08/20</b>	32.4	0.1 U	9.9	262	0.55	268	1.83	233.3	5.88	5.77	863	1070	13.2	15.5	583	259	38.5	103.7
<b>03/21</b>	59.6	0.12	3 U	290	0.04	278	1.63	239	5.65	5.82	1075	1100	14.9	15.2	647	488	43.3	129
<b>09/21</b>	62.9	0.05 U	14	312	5.67	288	2.3	275	6.10	5.81	401.2	1170	13.8	21.2	770	1140	68.5	72.1
<b>03/22</b>	59.8	0.08 J	3 U	295	0.9	306	1.97	169.4	5.63	2.71	950	2082	12.9	12.2	578	513	35.6	92.68
<b>08/22</b>	65.7	0.11 J	44.5	282	3.28	335	2.03	162.30	5.83	5.99	996	1073	12.4	17.2	614	2600	350	701.60

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)	Selenium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002			0.05
<b>09/17</b>	0.005 U	0.005 U	0.14	0.005 U	0.005 U	48.5	0.005 U	0.00502	0.00938	1.72	0.005 U	35.7	1.37	0.000705	0.00709	4.02	0.005 U
<b>04/18</b>	0.002 U	0.002 U	0.125	0.002 U	0.002 U	43.9	0.002 U	0.00316	0.002 U	0.05 U	0.002 U	32.4	1.2	0.000713	0.00588	3.97	0.002 U
<b>09/18</b>	0.002 U	0.002 U	0.115	0.002 U	0.002 U	46.8	0.002 U	0.00481	0.0187	0.05 U	0.002 U	33.6	1.56	0.000676	0.00852	3.5	0.002 U
<b>04/19</b>	0.001 U	0.001 U	0.118	0.001 U	0.001 U	45.2	0.00235	0.0119	0.00592	1.75 B	0.001 U	37.9	1.71	0.000839	0.0094	3.78	0.001 U
<b>08/19</b>	0.001 U	0.001 U	0.11	0.001 U	0.001 U	44 B	0.00261	0.00687	0.00659	0.922	0.00105	38.4	1.53 J	0.000411	0.00841	3.74	0.001 U
<b>03/20</b>	0.001 U	0.001 U	0.107	0.001 U	0.001 U	44.6	0.001 U	0.00537	0.001 U	0.275	0.001 U	38.1	1.61	0.000743	0.007	3.71	0.001 U
<b>08/20</b>	0.001 U	0.001 U	0.124	0.001 U	0.001 U	42.9	0.00475	0.0108	0.00767	3.03	0.00167	39	1.72	0.000523	0.0117	3.83	0.00137
<b>03/21</b>	0.001 U	0.001 U	0.119	0.001 U	0.001 U	45.5	0.00318	0.0133	0.00962	3.01	0.00143	39.8	1.89	0.000469	0.0123	3.52	0.00112
<b>09/21</b>	0.001 U	0.001 U	0.148	0.001 U	0.001 U	48.9	0.00488	0.0197	0.0152	3.59	0.00423	40.2	1.61	0.00084	0.0113	4.41	0.00255
<b>03/22</b>	0.001 U	0.001 U	0.122	0.001 U	0.001 U	54.6	0.00177 J	0.016	0.00769 J	0.753	0.00199 J	41.2	1.75	0.000408	0.0106 J	4.51 B	0.00133 J
<b>08/22</b>	0.00100 U	0.00261	0.184	0.00217	0.00100 U	56.5	0.0195	0.0580	0.0603	25.3	0.0116	47	2.4	0.00112	0.0425	6.31	0.00818 J

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-19A - Total Metals**

	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>			0.002		
<b>09/17</b>	0.005 U	100	0.005 U	0.005 U	0.0398
<b>04/18</b>	0.002 U	97.1	0.001 U	0.002 U	0.0131
<b>09/18</b>	0.002 U	86.8	0.001 U	0.002 U	0.0301
<b>04/19</b>	0.001 U	79.2	0.001 U	0.00209	0.0344 B
<b>08/19</b>	0.001 U	85.1 B	0.001 U	0.001 U	0.0313 B
<b>03/20</b>	0.001 U	80	0.001 U	0.001 U	0.0272
<b>08/20</b>	0.001 U	79.5	0.001 U	0.00438	0.0406
<b>03/21</b>	0.001 U	74.4	0.001 U	0.00313	0.051
<b>09/21</b>	0.001 U	95.7	0.001 U	0.00441	0.0418
<b>03/22</b>	0.001 U	83	0.001 U	0.00158 J	0.034
<b>08/22</b>	0.00123 J	74.6	0.00100 U	0.0267	0.176

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		1 U	1 U	1 U	1 U	1.07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>		1 U	1 U	1 U	1 U	1.48	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1.54	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	7 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	2.5	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	2.6	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1.7	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	3	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	2.4	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	7.9 B	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/17</b>	5	1 U	1 U	1 U	1 U	1 U	2.52	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.22	1 U	1 U	1 U	5 U	1.99	1 U	5 U
<b>04/18</b>	100	1 U	1 U	1 U	1 U	1 U	3.27	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.24	1 U	1 U	1 U	5 U	1.44	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1 U	3.31	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.16	1 U	1 U	1 U	5 U	1.45	1 U	5 U
<b>04/19</b>		1 U	1 U	1 U	1 U	1 U	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	2.6	1 U	1 U
<b>08/19</b>		1 U	1 U	1 U	1 U	1 U	5.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	2	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	1 U	6.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	2.3	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	7.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	2.4	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	6.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	2.4	1.1	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	5.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1.7	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	7.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	2.6	1.1	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5 B	1.0 U	1.0 U	1.5	1.0 U	1.0 U	1.0 U	1.0 U	1.9	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>04/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>08/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	106	0.2 U	10 U	128	--	262	1.28	338	6.18	--	551.7	--	6.63	15.5	458	--	--	3.9
<b>04/18</b>	99.6	0.2 U	10 U	147	--	268	1.52	191	6.04	--	604.7	--	7.31	14.49	437	--	--	2.6
<b>09/18</b>	96	0.2 U	10 U	154	--	288	1.51	232	5.84	--	674.1	--	7.84	15.27	455	--	--	4.2
<b>04/19</b>	104	0.1 U	5	173	0.06	295 B	1.6	156.4	5.95	6.09	906	754	9.7	14	677	41.4	5.72	8.1
<b>08/19</b>	105	0.1 U	4.2	172	0.2	282 B	1.9	167.8	5.66	6.10	0.745	766	9.3	15.2	614	18	10	9.9
<b>03/20</b>	105	0.1 U	7.8	178	0.49	302	1.5	190.5	5.79	6.10	953	788	10.2	13	575	6.2	2.28	4.1
<b>08/20</b>	41.7	0.1 U	13.2	180	1.16	302	1.35	158.6	6.45	5.99	681	864	44.8	16	497	6.7	7.13	3.9
<b>03/21</b>	102	0.1 U	3 U	213	0.21	318	1.39	220.1	5.82	6.00	901	920	11.6	13.8	507	5	3.9	9.48
<b>09/21</b>	116	0.05 U	17.5	200	0.87	332	1.32	312.9	6.20	6.11	842	885	9.5	19.9	487	5.2 U	0.5 U	1.3
<b>03/22</b>	109	0.02 U	3 U	230	0.98	379	1.32	154.5	5.84	6.06	841	992.6	10.8	17.7	513	10 U	12.6	30.64
<b>08/22</b>	121	0.02	26.9	162	7.40	301	1.66	139.70	6.83	6.92	700.0	776.5	8.8	17.3	472	21.0	9.86	16.10

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-19B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/17</b>	0.005 U	0.005 U	0.0354	0.005 U	0.005 U	65.9	0.005 U	0.005 U	0.005 U	0.468	0.005 U	22.9	0.0361	0.0002 U	0.005 U	2
<b>04/18</b>	0.005 U	0.005 U	0.0337	0.005 U	0.005 U	69	0.005 U	0.005 U	0.005 U	0.116	0.005 U	23.3	0.0268	0.0002 U	0.005 U	2.02
<b>09/18</b>	0.005 U	0.005 U	0.0308	0.005 U	0.005 U	67.7	0.005 U	0.005 U	0.005 U	0.0669	0.005 U	28.9	0.0259	0.000251	0.005 U	2.28
<b>04/19</b>	0.001 U	0.001 U	0.0362	0.001 U	0.001 U	64.6	0.00756	0.001 U	0.00177	0.471 B	0.001 U	32.4	0.0475	0.000315	0.00472	2.47
<b>08/19</b>	0.001 U	0.001 U	0.0336	0.001 U	0.001 U	61.5 B	0.00469	0.001 U	0.00202	0.516	0.001 U	31.1	0.0311	0.000276	0.00447	2.32
<b>03/20</b>	0.001 U	0.001 U	0.0334	0.001 U	0.001 U	65.7	0.001 U	0.001 U	0.001 U	0.103	0.001 U	33.6	0.0303	0.000224	0.00319	2.44
<b>08/20</b>	0.001 U	0.001 U	0.0364	0.001 U	0.001 U	65.5	0.00153	0.001 U	0.00162	0.359	0.001 U	33.7	0.0313	0.000177	0.00392	2.49
<b>03/21</b>	0.001 U	0.001 U	0.034	0.001 U	0.001 U	69	0.001 U	0.001 U	0.00147	0.147	0.001 U	35.4	0.0289	0.000173	0.00361	2.41
<b>09/21</b>	0.001 U	0.001 U	0.0335	0.001 U	0.001 U	75.3	0.001 U	0.001 U	0.001 U	0.1 U	0.001 U	35.1	0.0252	0.00017	0.00332	2.49
<b>03/22</b>	0.001 U	0.001 U	0.0378	0.001 U	0.001 U	86.8	0.00136 J	0.001 U	0.00265 J	0.191	0.001 U	39.5	0.0353	0.000414	0.00564 J	3.63 B
<b>08/22</b>	0.00100 U	0.00100 U	0.0418	0.00100 U	0.00100 U	74.8	0.00266 J	0.00100 U	0.0163	0.547	0.00177 J	27.8	0.0725	0.000100 U	0.0126	5.68

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19B - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>09/17</b>	0.005 U	0.005 U	19.6	0.005 U	0.005 U	0.0227
<b>04/18</b>	0.005 U	0.005 U	19.3	0.005 U	0.005 U	0.0192
<b>09/18</b>	0.005 U	0.005 U	21.7	0.005 U	0.005 U	0.005 U
<b>04/19</b>	0.001 U	0.001 U	22.9	0.001 U	0.001 U	0.0142 B
<b>08/19</b>	0.001 U	0.001 U	22.5 B	0.001 U	0.001 U	0.00698 B
<b>03/20</b>	0.001 U	0.001 U	23.3	0.001 U	0.001 U	0.004 U
<b>08/20</b>	0.001 U	0.001 U	23.2	0.001 U	0.00107	0.0044
<b>03/21</b>	0.001 U	0.001 U	22.7	0.001 U	0.001 U	0.004 U
<b>09/21</b>	0.001 U	0.001 U	23.4	0.001 U	0.001 U	0.004 U
<b>03/22</b>	0.001 U	0.001 U	24.9	0.001 U	0.001 U	0.0061 J
<b>08/22</b>	0.00100 U	0.00100 U	25.6	0.00100 U	0.00100 U	0.0616

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		1 U	1 U	1 U	1 U	4.25	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>		1 U	1 U	1 U	1 U	4.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	4.21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.12	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		1 U	1 U	1 U	1 U	5.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	6 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		1 U	1 U	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	4.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	4.8	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	4.5	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	3.4	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	4.9	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-19B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/17</b>	5	1 U	1 U	1 U	1 U	1 U	10.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.84	1 U	1 U	1 U	5 U	3.94	1 U	5 U
<b>04/18</b>	100	1 U	1 U	1 U	1 U	1 U	11	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	5 U	4.22	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1 U	11.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.44	1 U	1 U	1 U	5 U	4.46	1.15	5 U
<b>04/19</b>		1 U	1 U	1 U	1 U	1 U	15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	4.9	1 U	1 U
<b>08/19</b>		1 U	1 U	1 U	1 U	1 U	14.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	4.3	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	1 U	15.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	4.3	1 U	1 U
<b>08/20</b>		1 U	1.2	1 U	1 U	1 U	16.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	4.8	1 U	1 U
<b>03/21</b>		1 U	1.4	1 U	1 U	1 U	15.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	4.6	1 U	1 U
<b>09/21</b>		1 U	1.3	1 U	1 U	1 U	12.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	3.5	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	15.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	4.3	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-19B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>04/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>08/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 J	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	302	5.4	14.8	117	0.31	328	1.07	316	6.17	--	956.3	--	23.4	17.02	508	--	--	2.3
<b>04/18</b>	276	3.34	21.6	52.6	--	249	2.54	194	6.38	--	664	--	34.3	10.66	339	--	--	3.5
<b>09/18</b>	362	5.81	23.7	40.5	--	307	0.357	72	6.28	--	819.4	--	23.6	25.29	454	--	--	6.9
<b>04/19</b>	452	11.9	37	106	0.15	366	0.2 U	1.7	6.29	6.41	14.7	1120	17	12.1	624	10.7	35.8	8.7
<b>07/19</b>	262	7.05	26.3	147	0.15	303	0.9	200	6.05	5.91	1025	1100	66.1	17.7	633	8.8	20	3.1
<b>03/20</b>	81.9	4.99	19.1	56.9	0.51	289	1.36	58.2	6.22	6.28	702	832	174	11.3	523	12.7	11.4	16.3
<b>07/20</b>	379	8.46	32.8	104	0.64	321	0.26	24.3	6.12	6.31	1036	1100	18.1	20.7	578	72	14.1	26.7
<b>03/21</b>	479	10.8	20.6	58.3	0.08	361	0	-33.2	6.25	6.35	914	1200	12.8	11.4	575	16.7	90	29.8
<b>09/21</b>	350	6.2	25.6	83.5	0.6	293	0.913	13.5	6.26	6.22	911	922	19.8	19.5	501	107	15.9	28.1
<b>03/22</b>	336	4.71	12.8	50.2	0.81	295	1.24	240	6.18	6.33	737	837.9	15.6	13.1	444	247	31.1	8.51
<b>08/22</b>	447	9.10	33.7	49.1	0.59	345	0.412	2.60	6.20	6.30	884.0	959.4	12.2	19.6	498	194	26.3	19.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/17</b>	0.005 U	0.005 U	0.205	0.005 U	0.005 U	53.5	0.005 U	0.0228	0.005 U	0.559	0.005 U	40.1	13.8	0.0002 U	0.0078	9.91
<b>04/18</b>	0.005 U	0.005 U	0.153	0.005 U	0.005 U	53.2	0.005 U	0.016	0.005 U	0.153	0.005 U	28.3	6.61	0.0002 U	0.0108	11.8
<b>09/18</b>	0.002 U	0.002 U	0.202	0.002 U	0.002 U	70.1	0.00861	0.0236	0.00719	2.41	0.002 U	32.2	5.94	0.0002 U	0.0139	23.5
<b>04/19</b>	0.001 U	0.00263	0.476	0.001 U	0.001 U	69.4	0.00198	0.139	0.00265	18.8	0.001 U	46.9	16.1	0.000635	0.0263	25.3
<b>07/19</b>	0.001 U	0.001 U	0.31	0.001 U	0.001 U	53.6 B	0.00121	0.0832	0.00542	8.08	0.001 U	41.1	13.8	0.0001 U	0.0185	17.8
<b>03/20</b>	0.001 U	0.001 U	0.213	0.001 U	0.001 U	50.7	0.001 U	0.067	0.001 U	6.29	0.001 U	39.6	9.83	0.0001 U	0.0124	13.7
<b>07/20</b>	0.001 U	0.0016	0.333	0.001 U	0.001 U	59.8	0.00101	0.0759	0.00151	11.7	0.001 U	41.6	10.5	0.0001 U	0.0128	22.9
<b>03/21</b>	0.001 U	0.00228	0.355	0.001 U	0.001 U	72.4	0.001 U	0.0783	0.001 U	23.1	0.001 U	43.8	9.19	0.0001 U	0.0136	23.2
<b>09/21</b>	0.001 U	0.00432	0.3	0.001 U	0.001 U	54.9	0.001 U	0.072	0.00141	20.9	0.001 U	37.9	8.61	0.0001 U	0.0136	17.5
<b>03/22</b>	0.001 U	0.00123 J	0.296	0.001 U	0.001 U	60.2	0.00166 J	0.0723	0.00174 J	42.4	0.001 U	35.1	8.99	0.0001 U	0.0135	15.2
<b>08/22</b>	0.00100 U	0.00220	0.343	0.00100 U	0.00100 U	69.3	0.00100 U	0.0689	0.00199	17.1	0.00100 U	41.8	8.46	0.000100 U	0.0111	25.4

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21A - Total Metals**

	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	0.05			0.002		
<b>09/17</b>	0.005 U	0.005 U	67	0.005 U	0.005 U	0.0287
<b>04/18</b>	0.005 U	0.005 U	43.2	0.005 U	0.005 U	0.0442
<b>09/18</b>	0.002 U	0.002 U	35.7	0.001 U	0.00234	0.0147
<b>04/19</b>	0.001 U	0.001 U	66.4	0.00126	0.001 U	0.0395
<b>07/19</b>	0.001 U	0.001 U	80.5 B	0.001 U	0.001 U	0.0185
<b>03/20</b>	0.001 U	0.001 U	50	0.001 U	0.001 U	0.0116
<b>07/20</b>	0.001 U	0.001 U	67.1	0.001 U	0.001 U	0.0114
<b>03/21</b>	0.001 U	0.001 U	42.7	0.001 U	0.001 U	0.0113
<b>09/21</b>	0.001 U	0.001 U	62	0.001 U	0.001 U	0.0124
<b>03/22</b>	0.001 U	0.001 U	41.6	0.001 U	0.001 U	0.0144
<b>08/22</b>	0.00100 U	0.00100 U	49.8	0.00100 U	0.00100 U	0.00661 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>	1 U	1 U	1 U	1 U	1 U	3.27	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>	1 U	1 U	1 U	1 U	1 U	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	5 U	5 U	5 U	6.1 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	1 U	1 U	1 U	1 U	1 U	6.1	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1.2	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/17</b>	5	1 U	1 U	1 U	1 U	1 U	10	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.79	1 U	1 U	1 U	5 U	4.88	1 U	5 U
<b>04/18</b>	100	1 U	1 U	1 U	1 U	1 U	3.03	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.92	1 U	5 U
<b>09/18</b>		1 U	1.03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>04/19</b>		1 U	1.4	1 U	1 U	1 U	9.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.5	1 U	1 U	1 U	1 U	5.6	1 U	1 U
<b>07/19</b>		1 U	1 U	1 U	1 U	1 U	20.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.4	1 U	1 U	1 U	1 U	11.3	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	1 U	5.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	3.5	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	12.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	7.7	1 U	1 U
<b>03/21</b>		1 U	1.2	1 U	1 U	1 U	3.9	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 U	1 U	1 U	2.3	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	7.8	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 U	1 U	1 U	4.9	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	4.7	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 U	1 U	1 U	2.6	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.9	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>04/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1.4	1 U
<b>07/19</b>		2.3	1 U
<b>03/20</b>		1 U	1 U
<b>07/20</b>		1.4	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-21B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	177	0.628	11.6	99.8	--	46	0.2 U	17	7.58	--	514.7	--	45.7	21.29	418	--	--	38.9
<b>04/18</b>	290	0.808	17	159	1.22	377	0.2 U	-99	7.02	--	1093	--	11.5	10.37	479	--	--	51.5
<b>09/18</b>	350	0.933	24.5	200	--	373	0.2 U	-130	6.59	--	1303	--	6.78	28.62	666	--	--	7.9
<b>04/19</b>	263	0.57	27	174	0.19	294	0.2 U	-79.4	6.49	6.50	1324	952	13.4	14.2	621	63.4	364	25.1
<b>07/19</b>	207	0.29	16.5	128	0.3	254 B	1.5	200	6.55	6.35	8.54	842	40.2	20.9	507	22.6	102	30.3
<b>03/20</b>	101	0.27	14.7	134	1	271	0.2 U	-19.3	6.44	6.60	777	811	22	13.1	482	36.8	141	37.9
<b>07/20</b>	247	0.42	25.5	181	0.89	294	0.2 U	0	6.06	6.27	1014	1090	15.2	19.1	567	33.7	135	20
<b>03/21</b>	275	0.41	14.1	187	0.07	279	0	-20.2	6.09	6.22	959	1110	16.9	13.7	282	46.4	86	25.34
<b>09/21</b>	214	0.05 U	18.5	148	2.71	293	0.331	15.4	6.46	6.54	834	887	22.3	17.3	533	22.9	89.5	47.1
<b>03/22</b>	241	0.46 J	12.1	196	1.25	320	0.011 U	-9.5	5.96	6.16	999	1064	15.1	14.1	605	355	103	52.3
<b>08/22</b>	275	0.55 J	29.4	191	0.66	356	0.011 U	-3.20	6.04	6.11	1199.0	1154	16.5	23.2	623	2550	246	37.40

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)	Selenium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002			0.05
<b>09/17</b>	0.005 U	0.005 U	0.0647	0.005 U	0.005 U	61.1	0.00749	0.005 U	0.00733	5.55	0.005 U	21.6	4.03	0.0002 U	0.005 U	30.3	0.005 U
<b>04/18</b>	0.005 U	0.005 U	0.119	0.005 U	0.005 U	96.5	0.005 U	0.00834	0.00611	28.1	0.005 U	33	5.3	0.0002 U	0.00655	14.9	0.005 U
<b>09/18</b>	0.005 U	0.005 U	0.199	0.005 U	0.005 U	88.8	0.0276	0.0412	0.0266	91.2	0.0121	36.7	4.95	0.0002 U	0.0213	13	0.0054
<b>04/19</b>	0.001 U	0.002	0.123	0.001 U	0.001 U	66.1	0.0112	0.0676	0.00427	63.1	0.00115	31.4	6.39	0.000142	0.0336	8.05	0.001 U
<b>07/19</b>	0.001 U	0.001 U	0.075	0.001 U	0.001 U	64.7 B	0.0163	0.031	0.00242	19	0.001 U	22.6	4.72	0.0001 U	0.0265	16.9	0.001 U
<b>03/20</b>	0.001 U	0.0012	0.0789	0.001 U	0.001 U	68.4	0.00418	0.0325	0.00512	19.4	0.001 U	24.4	4.32	0.0001 U	0.0168	11.6	0.001 U
<b>07/20</b>	0.001 U	0.00204	0.113	0.001 U	0.001 U	63.6	0.00302	0.0766	0.003	50.1	0.001 U	32.8	5.15	0.0001 U	0.033	5.31	0.001 U
<b>03/21</b>	0.001 U	0.00195	0.0994	0.001 U	0.001 U	60.8	0.0037	0.0611	0.00292	39.8	0.001 U	31	5.12	0.0001 U	0.0275	3.92	0.001 U
<b>09/21</b>	0.001 U	0.001 U	0.0783	0.001 U	0.001 U	72.1	0.00336	0.0419	0.00369	9.44	0.001 U	27.5	4.19	0.0001 U	0.024	10.4	0.001 U
<b>03/22</b>	0.001 U	0.00261	0.0999	0.001 U	0.001 U	70.1	0.00992 J	0.0509	0.0101	32	0.00267	35.3	4.68	0.0001 U	0.031	3.56	0.001 U
<b>08/22</b>	0.00100 U	0.00375	0.131	0.00100 U	0.00100 U	75.4	0.0632	0.0581	0.0378	41	0.0138	40.9	5.13	0.000100 U	0.0573	3.99	0.00165 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21B - Total Metals**

	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>			0.002		
<b>09/17</b>	0.005 U	46.8	0.005 U	0.005 U	0.0283
<b>04/18</b>	0.005 U	58.5	0.005 U	0.005 U	0.0263
<b>09/18</b>	0.005 U	70.4	0.005 U	0.00971	0.036
<b>04/19</b>	0.001 U	60	0.001 U	0.001 U	0.0105
<b>07/19</b>	0.001 U	45.2 B	0.001 U	0.001 U	0.00959
<b>03/20</b>	0.001 U	42.5	0.001 U	0.001 U	0.00794
<b>07/20</b>	0.001 U	69	0.001 U	0.001 U	0.0107
<b>03/21</b>	0.001 U	62.3	0.001 U	0.001 U	0.0111
<b>09/21</b>	0.001 U	51.9	0.001 U	0.001 U	0.0141
<b>03/22</b>	0.001 U	73.3	0.001 U	0.00141	0.0193
<b>08/22</b>	0.00100 U	82.4	0.00100 U	0.0134	0.0634

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21B - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		1 U	1 U	1 U	1 U	2.27	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>		1 U	1 U	1 U	1 U	4.61	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	5.59	1 U	1 U	1 U	1 U	1 U	1 U	1.65	1.39	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		1 U	1 U	1 U	1 U	7.9	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		1 U	1 U	1 U	1 U	4.8	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	9.6	1 U	1 U	0.048 U	0.019 U	1 U	1 U	3	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	10.3	1 U	1 U	0.047 U	0.019 U	1 U	1 U	3	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	2.9	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	10.6	1 U	1 U	0.048 U	0.019 U	1 U	1 U	3.2	1.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	9.4	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	3.0	2.1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-21B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>09/17</b>	5	1 U	1 U	1 U	5.22	1 U	2.63	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.24	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.15	1 U	5 U	1 U	1 U
<b>04/18</b>	100	1 U	1 U	1 U	1 U	1 U	5.18	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.73	1 U	5 U	1 U	1 U
<b>09/18</b>		1 U	1.15	1 U	1 U	1 U	9.66	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	2.73	1 U	5 U	1 U	1.2
<b>04/19</b>		1 U	1 U	1 U	1 U	1 U	17.9	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 U	1 U	1 U	1 U	11.7	1 U	1 U	2.4
<b>07/19</b>		1 U	1 U	1 U	1 U	1 U	10.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	6.4	1 U	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	1 U	12.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U	9.5	1 U	1 U	1.2
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	26.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U	17.2	1 U	1 U	2.7
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	25.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.6	1 U	1 U	1 U	1 U	1 U	16.6	1 U	1 U	3.5
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	6.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	4.8	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	34.7	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1.3	1 U	6.2	1.5	1.3	1 U	1 U	1 U	21.2	1 U	1 U	3.2
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	32.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.5	1.0 U	1.0	1.0 U	1.0 U	17.9	1.0 U	1.0 U	2.8	

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill  
Monitoring Location MW-21B - Volatile Organic Compounds

	Xylene (ug/L)
	MCL 10000
<b>09/17</b>	1 U
<b>04/18</b>	1 U
<b>09/18</b>	1 U
<b>04/19</b>	1 U
<b>07/19</b>	1 U
<b>03/20</b>	1 U
<b>07/20</b>	1 U
<b>03/21</b>	1 U
<b>09/21</b>	1 U
<b>03/22</b>	3.5
<b>08/22</b>	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>09/17</b>	295	0.2 U	10 U	137	0	410	0.2 U	170	6.65	--	1047	--	35.5	16.78	595	--	--	23.5
<b>03/18</b>	298	0.2 U	11.9	145	--	440	0.2 U	8	6.87	--	920.8	--	37.5	13.71	573	--	--	8.5
<b>09/18</b>	305	0.2 U	12.2	154	--	430	0.2 U	-12	6.68	--	1054	--	33	27.47	629	--	--	5.5
<b>04/19</b>	360	0.1 U	14	131	0.02	364 B	0.2 U	-20.9	6.46	6.39	1291	1070	39.6	13.5	645	6.4	20.7	6.5
<b>07/19</b>	373	0.1 U	12.3	141	0.21	372 B	0.2 U	199.9	6.42	6.21	1018	1120	37.5	16.2	681	36.7	24.1	5.4
<b>03/20</b>	406	0.12	7.7	130	0.46	369	0.2 U	23.4	6.43	6.55	1005	1110	33.2	12.9	667	5	20.3	3
<b>07/20</b>	373	0.11	24.8	143	0.49	397	0.2 U	-23.1	6.50	6.79	1085	1210	35	17.2	711	19.7	4.11	8.3
<b>03/21</b>	377	0.1 U	9.9	147	0.01	380	0.126	-33.4	6.51	6.58	1197	1220	37.5	13.5	729	55.2	52.7	5.12
<b>09/21</b>	427	0.081	22.4	150	0.54	431	0.011 U	-10.8	6.78	6.61	1117	1200	36.5	177	714	687	28.1	40.2
<b>03/22</b>	374	0.11 J	6.3 J	153	0.87	462	0.011 U	-21.5	6.49	6.61	1048	1211	37.2	13.1	670	1060	38.3	22.5
<b>08/22</b>	392	0.07 J	18.7	154	0.66	480	0.011 U	-23.20	6.52	6.61	1088	1208	37.5	17.4	719	155	39.6	105.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-22A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/17</b>	0.005 U	0.005 U	0.0228	0.005 U	0.005 U	110	0.005 U	0.005 U	0.005 U	4.69	0.005 U	30	0.737	0.0002 U	0.005 U	4.45
<b>03/18</b>	0.002 U	0.002 U	0.0168	0.002 U	0.002 U	121	0.00291	0.002 U	0.002 U	4.03	0.002 U	28.9	0.62	0.0002 U	0.00331	4.31
<b>09/18</b>	0.002 U	0.00201	0.0186	0.002 U	0.002 U	124	0.00368	0.002 U	0.00277	4.26	0.002 U	29.3	0.721	0.0002 U	0.00366	4.35
<b>04/19</b>	0.001 U	0.001 U	0.0219	0.001 U	0.001 U	85.4 B	0.001 U	0.00111	0.001 U	4.25	0.001 U	36.6	1.73	0.0001 U	0.00491	4.93
<b>07/19</b>	0.001 U	0.00156	0.0238	0.001 U	0.001 U	91 B	0.00202	0.00142	0.00209	8.68	0.001 U	35.3	1.93	0.0001 U	0.00581	5.1
<b>03/20</b>	0.001 U	0.001 U	0.0278	0.001 U	0.00126	86.7	0.001 U	0.00307	0.0023	3.39	0.001 U	38.5	2.52	0.0001 U	0.00851	5.13
<b>07/20</b>	0.001 U	0.001 U	0.0216	0.001 U	0.001 U	98.3	0.00114	0.001 J	0.001 U	4.99	0.001 U	36.9	1.36	0.0001 U	0.00632	5.22
<b>03/21</b>	0.001 U	0.00162	0.0257	0.001 U	0.001 U	96.2	0.00619	0.00159	0.00388	9.33	0.00292	33.8	1.24	0.0001 U	0.00564	4.9
<b>09/21</b>	0.001 U	0.00183	0.0324	0.001 U	0.001 U	111	0.00911	0.00243	0.00652	11.4	0.00379	37.6	1.29	0.0001 U	0.00834	5.81
<b>03/22</b>	0.001 U	0.00189 J	0.0351	0.00108 J	0.001 U	124	0.00921 J	0.0036 J	0.0159	14.9	0.0108	36.2	1.27	0.0001 U	0.00797 J	5.38 B
<b>08/22</b>	0.00100 U	0.00149 J	0.0284	0.00100 U	0.00100 U	127	0.00538 J	0.00172 J	0.00537	8.96	0.00252	39.4	1.12	0.000100 U	0.00426 J	5.66

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-22A - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>09/17</b>	0.005 U	0.005 U	57.9	0.005 U	0.005 U	0.0203
<b>03/18</b>	0.00534	0.002 U	58.5	0.001 U	0.002 U	0.00235
<b>09/18</b>	0.0044	0.002 U	59.4	0.001 U	0.002 U	0.0112
<b>04/19</b>	0.001 U	0.001 U	83.2	0.001 U	0.001 U	0.00479
<b>07/19</b>	0.001 U	0.001 U	85.2 B	0.001 U	0.001 U	0.004 U
<b>03/20</b>	0.001 U	0.001 U	107	0.001 U	0.001 U	0.00429
<b>07/20</b>	0.001 U	0.001 U	86.3	0.001 U	0.001 U	0.004 U
<b>03/21</b>	0.001 U	0.001 U	75.9	0.001 U	0.00177	0.00583
<b>09/21</b>	0.00102	0.001 U	86.2	0.001 U	0.00377	0.0101
<b>03/22</b>	0.00256 J	0.001 U	73	0.001 U	0.00497 J	0.014
<b>08/22</b>	0.00100 U	0.00100 U	79.8	0.00100 U	0.00303 J	0.00719 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	
<b>03/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U	
<b>04/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>07/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>03/20</b>		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	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>09/17</b>	5	1 U	1 U	1 U	1 U	1 U	5.65	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5.21	1 U	5 U	
<b>03/18</b>	5	1 U	1 U	1 U	1 U	1 U	6.51	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	4.82	1 U	5 U	
<b>09/18</b>	5	1 U	1 U	1 U	1 U	1 U	4.87	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	3.08	1 U	5 U	
<b>04/19</b>	5	1 U	1 U	1 U	1 U	1 U	4.7	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 U	1 U	1 U	1 U	3.4	1 U	1 U
<b>07/19</b>	5	1 U	1 U	1 U	1 U	1 U	7.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U
<b>03/20</b>	5	1 U	1 U	1 U	1 U	1 U	4.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U
<b>07/20</b>	5	1 U	1 U	1 U	1 U	1 U	5.5	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 U	1 U	1 U	1 U	3.6	1 U	1 U
<b>03/21</b>	5	1 U	1 U	1 U	1 U	1 U	4.8	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 U	1 U	1 U	1 U	3.7	1 U	1 U
<b>09/21</b>	5	1 U	1 U	1 U	1 U	1 U	4.8	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 U	1 U	1 U	1 U	3.3	1 U	1 U
<b>03/22</b>	5	1 U	1 U	1 U	1 U	1 U	6	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 U	1 U	1 U	1 U	4.2	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3	1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>03/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>07/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>07/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>09/17</b>	328	0.2 U	10 U	125	0	400	0.2 U	150	6.91	--	959.6	--	43.5	18.12	615	--	--	344.1
<b>03/18</b>	323	0.2 U	10.1	129	--	412	0.2 U	-32	6.84	--	940.2	--	36.8	15.16	557	--	--	0
<b>09/18</b>	298	0.2 U	10.2	133	--	392	0.2 U	-34	6.80	--	967.1	--	29.8	20.37	574	--	--	1.9
<b>04/19</b>	283	0.1 U	8	120	0.37	343	0.2 U	-57.1	6.90	6.75	1162	953	75.1	15.4	599	10.2	33.1	6
<b>07/19</b>	289	0.1 U	18.6	127	0.43	320	0.4	200	6.87	6.11	918	954	37.2	19	585	8.6	15.3	9.4
<b>03/20</b>	285	0.1 U	3 U	123	0.58	340	0.2 U	-46.3	6.88	6.94	830	932	34.1	13	540	6.8	31.2	8.9
<b>07/20</b>	262	0.1 U	19.8	117	0.66	320	0.2 U	61.5	6.91	7.10	970	943	31.3	23.2	572	8.9	15.8	16
<b>03/21</b>	254	0.1 U	3.3	123	6	304	0.076	173.8	7.28	7.34	897	935	33.7	12.3	556	10.4	10.5	16.11
<b>09/21</b>	279	0.05 U	14.3	121	2.31	343	0.011 U	258.1	7.18	7.07	916	917	31.8	20.9	558	8.6	15.1	6.3
<b>03/22</b>	274	0.03 J	7.4 J	119	1.7	360	0.011 U	-60.1	6.89	6.96	735	925.9	28	9.5	514	23.5	42.6	17.1
<b>08/22</b>	297	0.04 J	12.4	123	0.84	400	0.011 U	-76.50	6.86	6.92	955.0	952.8	24.6	23.1	567	61.4	50.8	18.20

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/17</b>	0.002 U	0.00517	0.0561	0.002 U	0.002 U	109	0.0025	0.002 U	0.002 U	2.13	0.002 U	26.5	0.843	0.0002 U	0.00683	9.51
<b>03/18</b>	0.002 U	0.0122	0.0436	0.002 U	0.002 U	118	0.00317	0.002 U	0.002 U	2.55	0.002 U	24.1	0.789	0.0002 U	0.00642	8.29
<b>09/18</b>	0.002 U	0.00673	0.0409	0.002 U	0.002 U	114	0.00239	0.002 U	0.002 U	1.87	0.002 U	26	0.658	0.0002 U	0.00613	7.66
<b>04/19</b>	0.001 U	0.00849	0.0355	0.001 U	0.001 U	89.8 B	0.00257	0.00106	0.001 U	3.55	0.001 U	28.9	0.608	0.0001 U	0.00469	7.34
<b>07/19</b>	0.001 U	0.00463	0.0335	0.001 U	0.001 U	85 B	0.00379	0.001 U	0.00151	1.5	0.001 U	26.1	0.522	0.0001 U	0.00485	6.93
<b>03/20</b>	0.001 U	0.00978	0.0357	0.001 U	0.001 U	89.7	0.00131	0.001 U	0.001 U	3.55	0.001 U	27.8	0.566	0.0001 U	0.00354	7.27
<b>07/20</b>	0.0011	0.00535	0.033	0.001 U	0.001 U	83.9	0.00454	0.001 U	0.00252	2.13	0.001 U	26.9	0.486	0.0001 U	0.00703	6.82
<b>03/21</b>	0.001 U	0.00429	0.0295	0.001 U	0.001 U	81.1	0.00178	0.001 U	0.00341	1.46	0.001 U	24.7	0.234	0.0001 U	0.00381	6.42
<b>09/21</b>	0.001 U	0.0074	0.0334	0.001 U	0.001 U	91.2	0.00164	0.001 U	0.00169	2.47	0.001 U	28	0.315	0.0001 U	0.0031	7.08
<b>03/22</b>	0.001 U	0.0096	0.0329	0.001 U	0.001 U	99.4	0.0107	0.0036 J	0.00276 J	3.92	0.001 U	26.2	0.493	0.0001 U	0.00942 J	7.36 B
<b>08/22</b>	0.00100 U	0.00838	0.0338	0.00100 U	0.00100 U	108	0.00230 J	0.00100 U	0.00203	5.37	0.00100 U	31.2	0.502	0.000100 U	0.00259 J	6.75

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22B - Total Metals**

	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.05			0.002		
<b>09/17</b>	0.00262	0.002 U	73.2	0.001 U	0.002 U	0.0025
<b>03/18</b>	0.00483	0.002 U	66.9	0.001 U	0.002 U	0.00284
<b>09/18</b>	0.00351	0.002 U	55.5	0.001 U	0.002 U	0.00511
<b>04/19</b>	0.001 U	0.001 U	57.1	0.001 U	0.001 U	0.0111
<b>07/19</b>	0.001 U	0.001 U	51.4 B	0.001 U	0.001 U	0.00552
<b>03/20</b>	0.001 U	0.001 U	52.6	0.001 U	0.001 U	0.00446
<b>07/20</b>	0.001 U	0.001 U	51	0.001 U	0.001 U	0.00445
<b>03/21</b>	0.001 U	0.001 U	45	0.001 U	0.001 U	0.00635
<b>09/21</b>	0.001 U	0.001 U	49.9	0.001 U	0.001 U	0.00424
<b>03/22</b>	0.001 U	0.001 U	44.4	0.001 U	0.001 U	0.0109
<b>08/22</b>	0.00100 U	0.00100 U	48.8	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		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 U	5 U	5 U	5 U	6.5 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-22B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>09/17</b>	5	1 U	1 U	1 U	1 U	1 U	4.84	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	2.5	1 U	5 U	
<b>03/18</b>	5	1 U	1 U	1 U	1 U	1 U	4.22	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.91	1 U	5 U	
<b>09/18</b>	5	1 U	1 U	1 U	1 U	1 U	2.81	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.98	1 U	5 U	
<b>04/19</b>	5	1 U	1 U	1 U	1 U	1 U	4.1	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 U	1 U	1 U	1 U	1.8	1 U	1 U
<b>07/19</b>	5	1 U	1 U	1 U	1 U	1 U	3.8	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 U	1 U	1 U	1 U	1.8	1 U	1 U
<b>03/20</b>	5	1 U	1 U	1 U	1 U	1 U	3.3	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 U	1 U	1 U	1 U	1.2	1 U	1 U
<b>07/20</b>	5	1 U	1 U	1 U	1 U	1 U	1.8	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 U	1 U	1 U	1 U	1.3	1 U	1 U
<b>03/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	5	1 U	1 U	1 U	1 U	1 U	3.4	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 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-22B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>03/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>07/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>07/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	27	0.2 U	10 U	56.8	--	100	3.3	485	5.21	--	252.5	--	4 U	19.15	195	--	--	39.2
<b>03/18</b>	27.5	0.2 U	10 U	64.2	--	144	3.01	333	5.30	--	257.8	--	4 U	14.37	226	--	--	11.1
<b>09/18</b>	26.5	0.2 U	10 U	69.2	--	89.4	3.44	243	5.33	--	291.5	--	4 U	27.63	210	--	--	42.7
<b>04/19</b>	27.1	0.1 U	4	83.4	1.79	102	4	280.1	5.27	5.42	434.3	359	3.2	16.1	260	498	119	140.7
<b>08/19</b>	25.6	0.16	3 U	97.6	1.56	106 B	4	321.6	4.92	5.42	0.365	411	4.2	11.3	304	122	43.6	31.62
<b>03/20</b>	61	0.1 U	20.8	28.3	0.66	81.6	0.13 J	-153.5	6.78	6.80	216.2	209	5.48	17.3	121	7.1	7.29	3.3
<b>08/20</b>	69.6	0.1 U	16.7	94.1	0.63	179	0.45	55.6	6.24	6.37	420	486	11.9	16.9	277	188	37.4	70.4
<b>03/21</b>	63.5	0.19	38	34.2	1.78	62.1	0.491	20.1	6.76	7.29	270.9	222	6	17.2	159	50.4	78.8	0.97
<b>09/21</b>	83.8	0.05 U	26.7	92.2	0.48	174	0.665	-58.3	6.17	6.41	453.9	469	14.4	17.4	266	185	16	22.1
<b>03/22</b>	67.2	0.08 J	12.2	92.1	1.29	139	0.175 J	-53.4	6.35	6.60	341.5	369.5	7.8	10.1	221	92.3	22.3	25.9
<b>08/22</b>	54.8	0.07 J	11.4	130	0.96	187	0.251	62.90	6.28	6.53	516.0	476.6	10.4	18.8	356	222	35.9	65.40

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/17</b>	0.005 U	0.005 U	0.0939	0.005 U	0.005 U	14.7	0.005 U	0.005 U	0.005 U	0.977	0.005 U	12.6	0.0734	0.000698	0.005 U	2.71
<b>03/18</b>	0.005 U	0.005 U	0.0946	0.005 U	0.005 U	15.4	0.00827	0.005 U	0.005 U	4.3	0.005 U	13.1	0.0736	0.000601	0.00836	2.68
<b>09/18</b>	0.005 U	0.005 U	0.102	0.005 U	0.005 U	13.8	0.00592	0.005 U	0.005 U	2.31	0.005 U	13.4	0.0702	0.000526	0.005 U	3.05
<b>04/19</b>	0.001 U	0.001 U	0.152	0.001 U	0.001 U	12.5	0.0154	0.00595	0.00173	5.6	0.00273	17.3	0.113	0.000827	0.0125	3.42
<b>08/19</b>	0.001 U	0.001 U	0.137	0.001 U	0.001 U	13.2	0.0102	0.00433	0.00123	3.15	0.00225	17.7	0.0891	0.000549	0.00781	3.55
<b>03/20</b>	0.001 U	0.001 U	0.0143	0.001 U	0.001 U	14	0.016	0.0011	0.00106	1.07	0.001 U	11.3	0.104	0.0001 U	0.0112	10.8
<b>08/20</b>	0.001 U	0.001 U	0.0064	0.001 U	0.001 U	21.2	0.00403	0.00353	0.0041	6.14	0.001 U	30.6	0.484	0.0001 U	0.0055	2.14
<b>03/21</b>	0.00141	0.001 U	0.0666	0.001 U	0.001 U	13.9	0.0155	0.0027	0.0163	5.01	0.00483	6.68	0.12	0.0001 U	0.0206	8.87
<b>09/21</b>	0.001 U	0.001 U	0.0117	0.001 U	0.001 U	22	0.01	0.00431	0.00595	3.73	0.001 U	28.8	0.463	0.0001 U	0.0146	2.41
<b>03/22</b>	0.001 U	0.001 U	0.0211	0.001 U	0.001 U	22.1	0.00699	0.00277	0.0137	3.69	0.00198	20.3	0.215	0.0001 U	0.00952	5.02
<b>08/22</b>	0.00100 U	0.00100 U	0.00997	0.00100 U	0.00100 U	26.6	0.00945	0.00328	0.00967	4.79	0.00100 U	29.4	0.244	0.000100 U	0.00643	3.45

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23A - Total Metals**

	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	0.05			0.002		
<b>09/17</b>	0.005 U	0.005 U	18.7	0.005 U	0.005 U	0.0262
<b>03/18</b>	0.005 U	0.005 U	17.1	0.005 U	0.0062	0.0362
<b>09/18</b>	0.005 U	0.005 U	21.5	0.005 U	0.005 U	0.00915
<b>04/19</b>	0.00224	0.001 U	27.2 B	0.001 U	0.00802	0.0203
<b>08/19</b>	0.00105	0.001 U	27.8 B	0.001 U	0.00307	0.0204 B
<b>03/20</b>	0.001 U	0.001 U	13.7	0.001 U	0.001 U	0.0383
<b>08/20</b>	0.001 U	0.001 U	19.7	0.001 U	0.001 U	0.0171
<b>03/21</b>	0.001 U	0.001 U	13.2	0.001 U	0.00533	0.144
<b>09/21</b>	0.001 U	0.001 U	18.5	0.001 U	0.00156	0.0205
<b>03/22</b>	0.001 U	0.001 U	13	0.001 U	0.00187 J	0.0804
<b>08/22</b>	0.00148 J	0.00100 U	17.8	0.00100 U	0.00209 J	0.0197

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.14	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		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 U	5 U	5 U	5 U	5.2 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	7.1	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5.4	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	7.7	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
		5	100		80		70		80	700	10000				5	10000	100	5	1000	100		5			
<b>09/17</b>		1 U	1 U	1 U	1.15	1 U	3.43	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.14	1 U	1 U	1 U	5 U	1.89	1 U	5 U
<b>03/18</b>		1 U	1 U	1 U	1 U	1 U	4.53	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.91	1 U	1 U	1 U	5 U	1.85	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1 U	4.32	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.86	1 U	1 U	1 U	5 U	1.52	1 U	5 U
<b>04/19</b>		1 U	1 U	1 U	1 U	1 U	4.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1 U	1 U	1.6	1 U	1 U
<b>08/19</b>		1 U	1 U	1 U	1 U	1 U	4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1.6	1 U	1 U
<b>03/20</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
		2	10000
<b>09/17</b>		1 U	1 U
<b>03/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>08/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-23B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	49	0.2 U	10 U	71.5	0	144	0.2 U	189	6.70	--	334.6	--	9.73	16.35	222	--	--	0.8
<b>03/18</b>	56.8	0.2 U	10 U	78.6	--	180	0.24	18	7.00	--	338.7	--	12.6	13.15	268	--	--	3.9
<b>09/18</b>	54.1	0.2 U	10 U	88.4	--	150	0.2 U	-13	6.61	--	393.1	--	9.81	24.9	225	--	--	0
<b>04/19</b>	83.9	0.1 U	4	89	0.13	160	0.3	-25.5	6.66	6.78	541	446	7.6	14.7	285	34.3	10	9.9
<b>08/19</b>	63	0.1 U	11.5	65.8	3.08	117 B	0.2 U	133.1	6.61	6.89	0.342	347	8.6	17.4	205	69.8	9.56	0.7
<b>03/20</b>	24.1	0.1 U	3 U	92.3	1.93	129	3.91	261.1	5.02	5.45	524	408	6	16.5	267	307	91.8	9.6
<b>08/20</b>	20.2	0.1 U	19.9	92.8	1.92	122	3.55	264	5.31	5.30	380.2	412	4.05	18.5	256	1670	82	120.1
<b>03/21</b>	24.4	0.1 U	3 U	95	1.92	123	3.46	254.2	5.22	5.44	386.4	410	4.2	17.8	247	664	34.5	77.5
<b>09/21</b>	35.6	0.05 U	18	87.5	2.75	125	3.06	28.7	5.33	5.49	358.4	395	3.3	18.8	219	657	107	122
<b>03/22</b>	35.1	0.02 J	3 U	95.5	3.25	123	3.27	164.7	5.21	5.38	354.1	418	3.8 J	13.9	224	646	272	321
<b>08/22</b>	25.1	0.03 J	9.3 J	96.6	3.01	125	3.08	226.10	5.18	5.54	395.0	424.2	7.1	19.6	275	1540	47.4	217.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002		
<b>09/17</b>	0.002 U	0.002 U	0.00267	0.002 U	0.002 U	16.4	0.002 U	0.002 U	0.002 U	0.61	0.002 U	18.6	0.113	0.0002 U	0.002 U	1.44
<b>03/18</b>	0.002 U	0.002 U	0.00435	0.002 U	0.002 U	20	0.00241	0.002 U	0.002 U	0.685	0.002 U	21.1	0.155	0.0002 U	0.00253	1.66
<b>09/18</b>	0.002 U	0.002 U	0.00381	0.002 U	0.002 U	22.8	0.00357	0.002 U	0.00278	1.45	0.002 U	22.6	0.18	0.0002 U	0.00325	1.77
<b>04/19</b>	0.001 U	0.001 U	0.00522	0.001 U	0.001 U	21.3	0.00561	0.00314	0.0023	2.45	0.001 U	26	0.589	0.0001 U	0.00516	1.99
<b>08/19</b>	0.001 U	0.001 U	0.0109	0.001 U	0.001 U	16.1 B	0.00578	0.0012	0.00452	0.469	0.00107	18.5	0.0561	0.0001 U	0.00458	4.35
<b>03/20</b>	0.001 U	0.001 U	0.169	0.001 U	0.001 U	16.2	0.041	0.00823	0.001 U	8.4	0.00396	21.4	0.141	0.000646	0.0303	3.85
<b>08/20</b>	0.001 U	0.001 U	0.149	0.001 U	0.001 U	15.7	0.0157	0.00515	0.00223	5.04	0.00307	20.2	0.101	0.000628	0.0117	3.63
<b>03/21</b>	0.001 U	0.00114	0.182	0.001 U	0.001 U	15.7	0.0259	0.00822	0.0047	9.96	0.00512	20.3	0.129	0.000543	0.0245	3.74
<b>09/21</b>	0.001 U	0.001 U	0.162	0.001 U	0.001 U	17.9	0.0254	0.00706	0.00365	8.95	0.00399	19.5	0.136	0.000221	0.0272	3.79
<b>03/22</b>	0.001 U	0.001 U	0.196	0.001 U	0.001 U	17.6	0.00814 J	0.00576 J	0.00798 J	1.2	0.00458	19.3	0.152	0.000578	0.00877 J	3.87 B
<b>08/22</b>	0.00100 U	0.00100 U	0.167	0.00100 U	0.00100 U	15.9	0.0120	0.00534 J	0.00118	4.05	0.00176 J	20.7	0.1	0.000385	0.00939 J	3.79

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23B - Total Metals**

	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	0.05			0.002		
<b>09/17</b>	0.002 U	0.002 U	13.7	0.001 U	0.002 U	0.00358
<b>03/18</b>	0.002 U	0.002 U	15.4	0.001 U	0.002 U	0.00632
<b>09/18</b>	0.002 U	0.002 U	15.7	0.001 U	0.002 U	0.00594
<b>04/19</b>	0.001 U	0.001 U	21.8 B	0.001 U	0.001 U	0.00668
<b>08/19</b>	0.001 U	0.001 U	16.2 B	0.001 U	0.001 U	0.0378 B
<b>03/20</b>	0.00139	0.001 U	27.7	0.001 U	0.0105	0.0269
<b>08/20</b>	0.00123	0.001 U	28.5	0.001 U	0.00779	0.0233
<b>03/21</b>	0.001 U	0.001 U	23.7	0.001 U	0.0123	0.0806
<b>09/21</b>	0.00157	0.001 U	23.8	0.001 U	0.0106	0.674
<b>03/22</b>	0.00227 J	0.001 U	29.3	0.001 U	0.00348 J	0.0715
<b>08/22</b>	0.00134	0.00100 U	32.2	0.00100 U	0.00529 J	0.0729

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23B - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>03/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.01	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>		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 U	5 U	5 U	5 U	7.3 B	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)	
<b>09/17</b>	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U
<b>03/18</b>	5	1 U	1 U	1 U	1 U	1 U	1.23	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>09/18</b>	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.74	1 U	1 U	1 U	5 U	1 U	1 U	5 U
<b>04/19</b>	5	1 U	1 U	1 U	1 U	1 U	3.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
<b>08/19</b>	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	5	1 U	1 U	1 U	1 U	1 U	4.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
<b>08/20</b>	5	1 U	1 U	1 U	1 U	1 U	4.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
<b>03/21</b>	5	1 U	1 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	5	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	5	1 U	1 U	1 U	1 U	1 U	3.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-23B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
	2	10000	
<b>09/17</b>		1 U	1 U
<b>03/18</b>		1 U	1 U
<b>09/18</b>		1 U	1 U
<b>04/19</b>		1 U	1 U
<b>08/19</b>		1 U	1 U
<b>03/20</b>		1 U	1 U
<b>08/20</b>		1 U	1 U
<b>03/21</b>		1 U	1 U
<b>09/21</b>		1 U	1 U
<b>03/22</b>		1 U	1 U
<b>08/22</b>		1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																		
<b>09/17</b>	125	0.322	24.3	280	0.33	480	0.4 U	140	5.99	--	1130	--	4 U	18.2	720	--	--	2.8
<b>04/18</b>	151	0.302	28.8	297	--	224	0.2 U	-8	5.99	--	1011	--	4 U	13.38	572	--	--	7.1
<b>09/18</b>	156	0.457	30.6	305	--	422	0.2 U	-50	5.81	--	1157	--	4 U	19.2	686	--	--	0
<b>04/19</b>	177	0.59	39	324	0.07	449	0.3	-27.2	5.92	6.08	1575	1290	1 U	18.3	1090	41.2	7.01	4
<b>07/19</b>	151	0.46	36	321	0.25	445	0.2 U	200	5.85	2.67	1246	1270	10.3	19.4	1010	8.9	0.5 U	0
<b>03/20</b>	169	0.5	23.1	333	0.38	456	0.2 U	-7.7	5.85	6.07	1318	1330	0.77 J	18.1	754	2.3 U	6.02	0
<b>07/20</b>	160	0.56	41.7	323	0.49	469	0.2 U	-105	5.82	6.00	1304	1380	0.87 J	21.7	731	13.1	84.8	9.9
<b>03/21</b>	178	0.64	29.6	356	0.07	449	0	-22.3	5.84	5.98	1368	1450	0.3 U	18.3	664	384	10.6	7.66
<b>09/21</b>	177	0.63	42.7	369	0.54	519	0.011 U	15.8	6.10	5.98	1450	1470	0.3 U	20.2	992	412	10.2	8.8
<b>03/22</b>	189	0.56 J	27.8	372	0.79	526	0.011 U	-18.1	5.89	5.80	1516	1498	49.8	19.5	880	328	39.9	35.1
<b>08/22</b>	151	0.70 J	37.1	378	1.81	572	0.011 U	0.10	5.71	5.98	1673.0	1535	0.8 J	25.1	908	2020	121	63.10

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24A - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)	Selenium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002			0.05
<b>09/17</b>	0.002 U	0.00532	0.258	0.002 U	0.002 U	64.2	0.00305	0.0525	0.002 U	22.3	0.002 U	56	6.31	0.0002 U	0.0247	3.94	0.016
<b>04/18</b>	0.002 U	0.00703	0.244	0.002 U	0.002 U	66.1	0.00438	0.055	0.002 U	21.6	0.002 U	54.5	6.5	0.0002 U	0.028	4.23	0.00972
<b>09/18</b>	0.002 U	0.00642	0.279	0.002 U	0.002 U	69.1	0.00408	0.0568	0.002 U	23.3	0.002 U	60.6	7.22	0.0002 U	0.0285	4.67	0.00786
<b>04/19</b>	0.001 U	0.00486	0.298	0.001 U	0.001 U	63.4 B	0.00312	0.0625	0.001 U	25.8	0.001 U	70.6	8.95	0.0001 U	0.0327	5.14	0.001 U
<b>07/19</b>	0.001 U	0.00525	0.288	0.001 U	0.001 U	65.7	0.00458	0.0637	0.0101	23.3	0.001 U	68.2	9.22	0.0001 U	0.036	4.95	0.001 U
<b>03/20</b>	0.001 U	0.00501	0.287	0.001 U	0.001 U	67.9	0.00161	0.0633	0.001 U	22.6	0.001 U	69.6	9.19	0.0001 U	0.0339	5.09	0.001 U
<b>07/20</b>	0.001 U	0.00511	0.297	0.001 U	0.001 U	68.8	0.00338	0.0687	0.001 U	23	0.001 U	72.2	10	0.0001 U	0.0373	5.34	0.001 U
<b>03/21</b>	0.001 U	0.00492	0.28	0.001 U	0.001 U	66.4	0.00281	0.0655	0.00242	22.3	0.001 U	68.9	9.82	0.0001 U	0.0359	5.12	0.001 U
<b>09/21</b>	0.001 U	0.00533	0.308	0.001 U	0.001 U	77.5	0.00924	0.0735	0.00279	24.3	0.001 U	78.9	11.1	0.0001 U	0.0469	5.62	0.001 U
<b>03/22</b>	0.001 U	0.00591	0.302	0.001 U	0.001 U	87.2	0.0137	0.0753	0.0108	23.2	0.00274	74.8	11	0.0001 U	0.0527	5.55	0.00119 J
<b>08/22</b>	0.00100 U	0.00909	0.379	0.00102 J	0.00100 U	85.9	0.0355	0.104	0.0277	37.3	0.00906	86.7	12.7	0.000100 U	0.0962	8.12	0.00391 J

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-24A - Total Metals**

	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>	0.002		0.002		
<b>09/17</b>	0.002 U	35.9	0.001 U	0.002 U	0.00327
<b>04/18</b>	0.002 U	36.2	0.001 U	0.002 U	0.002 U
<b>09/18</b>	0.002 U	39.4	0.001 U	0.002 U	0.00529
<b>04/19</b>	0.001 U	53.6	0.001 U	0.001 U	0.004 U
<b>07/19</b>	0.001 U	49.5	0.001 U	0.001 U	0.004 U
<b>03/20</b>	0.001 U	49.5	0.001 U	0.001 U	0.004 U
<b>07/20</b>	0.001 U	51.1	0.001 U	0.001 U	0.00422
<b>03/21</b>	0.001 U	48.1	0.001 U	0.001 U	0.0112
<b>09/21</b>	0.001 U	53.9	0.001 U	0.001 U	0.0106
<b>03/22</b>	0.001 U	50.1	0.001 U	0.00174	0.0182
<b>08/22</b>	0.00100 U	55.8	0.00100 U	0.0136	0.0835

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24A - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>	1 U	1 U	1 U	1 U	2.05	1 U	1 U	1 U	1 U	1 U	1 U	1.13	11	5 U	5 U	5 U	5 U	5 U	3.81	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.5	5 U	5 U	5 U	5 U	5 U	3.35	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10.4	5 U	5 U	5 U	5 U	5 U	3.51	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1.1	1 U	1 U	13.5	5 U	5 U	5 U	8.9 B	5 U	4.6	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	12.4	5 U	5 U	5 U	5 U	5 U	4.5	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1.1	1 U	1.1	14.1	5 U	5 U	5 U	5 U	5 U	4.5	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1.6	1 U	1 U	0.048 U	0.019 U	1.1	1 U	1 U	13.5	5 U	5 U	5 U	5 U	5 U	4.4	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1.3	1 U	1 U	0.047 U	0.019 U	1.1	1 U	1 U	15.3	5 U	5 U	5 U	5 U	5 U	4.3	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	1.3	1 U	1 U	0.047 U	0.019 U	1.1	1 U	1 U	14.1	5 U	5 U	5 U	5 U	5 U	3.9	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	1 U	1 U	1 U	1 U	1.1	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	10.6	5 U	5 U	5 U	5 U	5 U	3.5	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	13.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24A - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/17</b>	5	1 U	5.86	1.06	1 U	1 U	8.36	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	5 U	1 U	1 U	5 U
<b>04/18</b>	100	1 U	4.8	1.08	1 U	1 U	4.1	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1.79	1 U	5 U	1 U	1 U	5 U
<b>09/18</b>		1 U	7.1	1 U	1 U	1 U	2.09	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	2.09	2.03	1 U	5 U	1 U	1 U	5 U
<b>04/19</b>		1 U	10.5	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.7	2	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		1 U	8.6	1 U	1 U	1 U	7.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	2.3	1 U	1 U	1.3	1 U	1 U
<b>03/20</b>		1 U	8.6	1 U	1 U	1 U	5.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	2.1	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>		1 U	8.5	1 U	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.1	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	10.9	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	8.2	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	7.3	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	8.5	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24A - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>09/17</b>	2	11.2	1.0 U
<b>04/18</b>	2	7.51	1.0 U
<b>09/18</b>	2	6.37	1.0 U
<b>04/19</b>	2	2.4	1.0 U
<b>07/19</b>	2	11.1	1.0 U
<b>03/20</b>	2	10.5	1.0 U
<b>07/20</b>	2	9.5	1.0 U
<b>03/21</b>	2	12.7	1.0 U
<b>09/21</b>	2	11.9	1.0 U
<b>03/22</b>	2	4	1.0 U
<b>08/22</b>	2	3.0	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24B - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10											
<b>09/17</b>	262	0.2 U	42.7	267	--	770	0.4 U	62	6.74	--	1235	--	4 U	20.22	698	--	--	10.7
<b>04/18</b>	303	0.2 U	44.5	268	--	581	0.2 U	-88	6.82	--	1206	--	4.21	14.62	619	--	--	6
<b>09/18</b>	306	0.2 U	30.1	279	--	550	0.2 U	-91	6.65	--	1323	--	7.26	19.88	807	--	--	6.9
<b>04/19</b>	296	0.1 U	43	293	0.08	567 B	0.6	-108.4	6.52	6.52	1772	1370	1 U	16.5	986	54.2	127	24.4
<b>07/19</b>	295	0.1 U	45.1	300	0.21	545	0.2 U	200	6.43	6.61	1374	1400	1 U	17.3	981	59.4	245	5.7
<b>03/20</b>	322	0.1 U	22.3	315	0.4	571	0.64	-81.6	6.42	6.40	1440	1480	1 U	16.8	822	15.4	166	3.2
<b>07/20</b>	295	0.17	46.9	296	0.75	555	0.2 U	-87.9	6.50	6.52	1418	1520	1 U	23.4	774	30.9	264	20.9
<b>03/21</b>	303	0.13	31.4	331	0.05	569	0	-104.9	6.36	6.50	1471	1570	0.3 U	16.8	843	55.7	144	0.65
<b>09/21</b>	299	0.14	49.5	352	0.57	622	0.011 U	-87.9	6.50	6.50	1553	1550	0.3 U	18.6	1260	210	76	9.8
<b>03/22</b>	291	0.15 J	32.4	356	0.78	660	0.011 U	-927	6.36	6.41	1596	1559	0.3 U	16.8	888	86.9	185	19.8
<b>08/22</b>	270	0.17 J	42.4	363	0.88	723	0.011 U	-64.60	6.27	6.47	1620.0	1660	0.3 U	19.2	1010	225	74.4	17.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location MW-24B - Total Metals**

	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)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)	Selenium, Total (mg/L)
MCL	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002			0.05
<b>09/17</b>	0.005 U	0.0304	0.183	0.005 U	0.005 U	105	0.005 U	0.0433	0.00516	44.8	0.005 U	77.6	3.49	0.0002 U	0.0138	3.68	0.005 U
<b>04/18</b>	0.005 U	0.0278	0.193	0.005 U	0.005 U	106	0.005 U	0.0455	0.005 U	47.4	0.005 U	76.8	3.77	0.0002 U	0.0174	3.84	0.00712
<b>09/18</b>	0.002 U	0.035	0.171	0.002 U	0.002 U	101	0.00368	0.0488	0.002 U	43.7	0.002 U	72.2	3.55	0.0002 U	0.0132	3.6	0.00815
<b>04/19</b>	0.001 U	0.0323	0.19	0.001 U	0.001 U	89.7	0.00339	0.0516	0.001 U	47.8	0.001 U	83.3	4.41	0.0001 U	0.0169	3.92	0.001 U
<b>07/19</b>	0.001 U	0.0309	0.174	0.001 U	0.001 U	89.1	0.00437	0.0479	0.00315	44.7	0.001 U	78.4	3.99	0.0001 U	0.0167	3.7	0.001 U
<b>03/20</b>	0.001 U	0.0314	0.189	0.001 U	0.001 U	94.4	0.001 U	0.0517	0.001 U	47.7	0.001 U	81.5	4.33	0.0001 U	0.0142	4.14	0.001 U
<b>07/20</b>	0.001 U	0.0309	0.184	0.001 U	0.001 U	90.6	0.00606	0.0518	0.00633	46.4	0.001 U	79.8	4.26	0.0001 U	0.0307	4.56	0.001 U
<b>03/21</b>	0.001 U	0.0326	0.205	0.001 U	0.001 U	93.9	0.00216	0.055	0.00124	48.1	0.001 U	81.4	4.33	0.0001 U	0.0156	3.98	0.001 U
<b>09/21</b>	0.001 U	0.0398	0.23	0.001 U	0.001 U	105	0.00626	0.0585	0.00298	52.3	0.00102	87.4	4.12	0.0001 U	0.026	4.52	0.001 U
<b>03/22</b>	0.001 U	0.0357	0.219	0.001 U	0.001 U	115	0.00193	0.059	0.00129	49.6	0.001 U	90.3	4.41	0.0001 U	0.0188	4.21	0.001 U
<b>08/22</b>	0.00100 U	0.0372	0.237	0.00100 U	0.00100 U	123	0.00912	0.0647	0.00175	55	0.00100 U	91.6	4.97	0.000100 U	0.0231	4.47	0.00100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24B - Total Metals**

	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>MCL</b>			0.002		
<b>09/17</b>	0.005 U	29.2	0.005 U	0.005 U	0.0184
<b>04/18</b>	0.005 U	29.1	0.005 U	0.005 U	0.0258
<b>09/18</b>	0.002 U	27.9	0.001 U	0.002 U	0.002 U
<b>04/19</b>	0.001 U	34.8	0.001 U	0.001 U	0.004 U
<b>07/19</b>	0.001 U	32.1	0.001 U	0.001 U	0.0116 B
<b>03/20</b>	0.001 U	34	0.001 U	0.001 U	0.004 U
<b>07/20</b>	0.001 U	33.4	0.001 U	0.001 U	0.0297
<b>03/21</b>	0.001 U	34.4	0.001 U	0.001 U	0.00445
<b>09/21</b>	0.001 U	37.5	0.001 U	0.001 U	0.00742
<b>03/22</b>	0.001 U	35.7	0.001 U	0.001 U	0.004 U
<b>08/22</b>	0.00100 U	39.6	0.00100 U	0.00100 U	0.00419 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24B - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)
<b>09/17</b>	1 U	1 U	1 U	1 U	1 U	4.29	1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.29	40.3	5 U	5 U	32.8	5 U	4.28	1 U	1 U	1 U	1 U	5 U
<b>04/18</b>	1 U	1 U	1 U	1 U	1 U	4.33	1 U	1 U	1 U	1 U	1 U	1.02	1 U	11.6	8.5	5 U	5 U	7.68	5 U	4.59	1 U	1 U	1 U	1 U	5 U
<b>09/18</b>	1 U	1 U	1 U	1 U	1 U	4.09	1 U	1 U	1 U	1 U	1 U	1.01	1 U	8.09	5 U	5 U	5 U	5 U	5 U	4.19	1 U	1 U	1 U	1 U	5 U
<b>04/19</b>	1 U	1 U	1 U	1 U	1 U	4.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13.1	25.2	5 U	5 U	44.3	5 U	5.4	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	1 U	1 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	12.5	5 U	5 U	5 U	8.2	5 U	5.3	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13.3	5 U	5 U	5 U	5 U	5 U	5.7	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1 U	3.3	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	7.4	5 U	5 U	5 U	5 U	5 U	4.6	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	14.8	5 U	5 U	5 U	5 U	5 U	5.9	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	14.3	5 U	5 U	5 U	5 U	5 U	5.6	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	17.2	5 U	5 U	5 U	5 U	5 U	5.9	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.8	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	15.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location MW-24B - Volatile Organic Compounds**

	MCL	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	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)
<b>09/17</b>	5	1 U	2.4	1 U	1 U	1 U	1.46	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1.38	1 U	1 U	106	2.78	1 U	5 U	1 U	1 U	5 U
<b>04/18</b>	100	1 U	2.89	1 U	1 U	1 U	1.1	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1.38	1 U	1 U	43.6	3.1	1 U	5 U	1 U	1 U	5 U
<b>09/18</b>		1 U	2.41	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1.17	1 U	1 U	12.4	2.63	1 U	5 U	1 U	1 U	5 U
<b>04/19</b>		1 U	3.4	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	76.4	3.4	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		1 U	3.4	1 U	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	28.5	3.2	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	3.6	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	3	3	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>		1 U	2.4	1 U	1 U	1 U	1.8	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	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	4.5	2.2	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	4.6	1.1	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	5.3	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	5.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location MW-24B - Volatile Organic Compounds**

	MCL	Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>09/17</b>	2	1 U	1.38
<b>04/18</b>	2	1 U	1.38
<b>09/18</b>	2	1 U	1.17
<b>04/19</b>	2	1.6	1.1
<b>07/19</b>	2	2	1.4
<b>03/20</b>	2	1.3	1.4
<b>07/20</b>	2	1 U	1 U
<b>03/21</b>	2	1.7	1 J
<b>09/21</b>	2	1.8	1 U
<b>03/22</b>	2	1.1	1 U
<b>08/22</b>	2	1.0	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																				
<b>04/01</b>	--	--	--	81.679	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
<b>09/01</b>	--	--	--	85.7567	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.5	--
<b>03/02</b>	--	--	--	89.0149	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.29	--
<b>09/02</b>	--	--	--	98.5932	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.9	--
<b>06/03</b>	--	--	--	--	--	--	--	--	--	--	0.0437	--	--	--	--	--	0.01 U	--	3.2	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0674	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0374	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.0468	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.0295	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0512	--	--	--	--	--	0.018	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.042	--	--	--	--	--	0.011	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.041	--	--	--	--	--	0.049	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.037	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	--
<b>09/09</b>	104	0.2 U	10 U	196	--	330	1.67	--	--	--	--	--	--	26.4	--	776	--	--	0.186	--
<b>09/10</b>	103	0.2 U	5.1 J	241	--	350	1.907	--	--	--	--	--	--	26.6	--	1176	--	--	0.98	--
<b>04/11</b>	93	0.2 U	6.9	262	--	364	1.79	--	--	--	--	--	--	26.8 J	--	856	--	--	1.96	--
<b>09/11</b>	112	0.2 U	10 U	291	--	390	1.34	--	--	--	--	--	--	28.8	--	1116	--	--	--	--
<b>03/12</b>	100	0.2 U	5.4	322	--	420	1.56	--	--	--	--	--	--	26.1	--	876	--	--	--	--
<b>09/12</b>	73	0.2 U	10 U	284	--	342	2.13	--	--	--	--	--	--	24.2	--	856	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>04/13</b>	80	0.2 U	10 U	291	0.07	346	2.21	410	5.87	--	--	1.223	--	22.3	15.8	980	--	--	--	1.4
<b>09/13</b>	66	0.2 U	10 U	303	0.04	356	2.28	391	5.46	--	--	1052	--	25.7	16.45	840	--	--	--	3.6
<b>03/14</b>	86	0.2 U	10 U	379	0.08	440	2.28	370	5.67	--	--	1293	--	26.5	15.7	758	--	--	--	0
<b>09/14</b>	77	0.2 U	10 U	411	1.36	472	2.11	391	5.65	--	--	1379	--	28	17.72	940	--	--	--	3.1
<b>03/15</b>	81	0.2 U	10 U	430	0	520	2.47	245	5.77	--	--	1391	--	26.5	16.38	960	--	--	--	0
<b>08/15</b>	70	0.2 U	10 U	421	1.25	504	2.59	234	5.70	--	--	1454	--	26.2	25.55	870	--	--	--	1.21
<b>03/16</b>	72	0.2 U	10 U	456	0	452	2.57	379	5.74	--	--	1537	--	24.9	15.8	928	--	--	--	0
<b>09/16</b>	70	0.2 U	10 U	481	--	520	2.29	373	5.78	--	--	1618	--	26.1	21.72	1080	--	--	--	0
<b>03/17</b>	57	0.2 U	10 U	411	0.32	368	2.6	385	5.68	--	--	1201	--	18.8	13.47	769	--	--	--	0
<b>09/17</b>	72	0.2 U	10 U	397	0.27	420	2.57	401	5.72	--	--	1543	--	20.7	21.16	983	--	--	--	0.7
<b>04/18</b>	51.4	0.2 U	10 U	464	--	431	2.78	253	5.70	--	--	1406	--	20.3	15.85	896	--	--	--	1.3
<b>09/18</b>	67	0.2 U	10 U	520	--	514	2.35	253	5.66	--	--	1764	--	26.2	19.36	1060	--	--	--	1.6
<b>04/19</b>	79.7	0.1 U	19	591	0.24	570	0.2 U	202.1	5.68	5.83	--	2357	1900	42.1	16.7	1700	--	9.3	0.5 U	3
<b>08/19</b>	91.9	0.1 U	3 U	667	0.3	112	2.6	203	5.34	5.78	--	2.196	2250	38.1	18.1	1920	--	7.6	0.5 U	0
<b>03/20</b>	86.1	0.1 U	9.4	618	0.52	648	2.39	184.2	5.43	5.84	--	2902	2210	34.4	17	1650	--	2.3 U	0.5 U	0.2
<b>08/20</b>	103	0.1 U	15.8	663	0.51	649	1.86	209.1	5.88	5.73	--	2130	2370	34.1	20	1230	--	5.4	0.5 U	0.2
<b>03/21</b>	107	0.1 U	6.1	640	0.02	558	1.8	227.1	5.68	5.82	--	2423	2270	34.8	17	1260	--	2.3 U	0.5 U	0.33
<b>09/21</b>	98	0.05 U	13.6	657	0.64	657	2.42	342.6	6.10	5.78	--	2221	2320	32	19.7	1210	--	2.3 U	0.5 U	0.6
<b>03/22</b>	79.4	0.04 J	3 U	579	0.88	597	2.3	182.4	5.57	5.76	--	1950	2059	26.2	16.8	1080	--	12.4	5.84	5.74
<b>08/22</b>	112	0.07 J	14.5	734	0.60	796	1.79	170.20	5.59	4.55	--	2372.0	2623	30.7	18.6	1360	--	14.8	1.65	6.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0007 U	0.0005 U	0.0402	0.0005 U	--	0.002 U	--	0.002 U	0.0007 U	0.0166	--	0.002 U	--	0.0449	0.0002 U	0.0042
09/01	0.002 U	0.002 U	0.018	0.0017 U	--	0.002 U	--	0.0021	0.002 U	0.0134	--	0.0029	--	0.0995	0.0002 U	0.01 U
03/02	0.0005 U	0.002 U	0.0249	0.0017 U	--	0.002 U	--	0.0012 U	0.002 U	0.0107	--	0.0024	--	0.0333	0.0002 U	0.01 U
09/02	0.0007 U	0.0003 U	0.0342	0.0004 U	--	0.0004 U	--	0.0027	0.002 U	0.0089	--	0.002 U	--	0.1055	0.0002 U	0.0046
06/03	0.0007 U	0.002 U	0.0476	0.0004 U	--	0.002 U	--	0.002 U	0.002 U	0.013	--	0.002 U	--	0.2826	0.0002 U	0.0069
10/03	0.002 U	0.0008 U	0.1027	0.0016 U	--	0.002 U	--	0.002 U	0.0054	0.0103	--	0.002 U	--	0.7486	0.0002 U	0.0088
03/04	0.0009 U	0.0008 U	0.0588	0.0016 U	--	0.0007 U	--	0.002 U	0.002 U	0.01 U	--	0.002 U	--	0.0745	0.0002 U	0.0033
09/04	0.0028 U	0.0006 U	0.1456	0.0012 U	--	0.002 U	--	0.0007 U	0.0069	0.0114	--	0.002 U	--	0.845	0.0001 U	0.0125
04/05	0.0028 U	0.0006 U	0.036	0.0012 U	--	0.002 U	--	0.0007 U	0.002 U	0.0105	--	0.0006 U	--	0.1334	0.0002 U	0.0035
09/05	0.0028 U	0.0006 U	0.1325	0.0012 U	--	0.002 U	--	0.0007 U	0.007	0.0149	--	0.002	--	0.8516	0.0002 U	0.0151
04/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.002 U	--	0.002 U	0.0036	0.0107	--	0.0025	--	0.002 U	0.0001 U	0.0131
09/06	0.0007 U	0.0008 U	0.1459	0.0009 U	--	0.0006 U	--	0.002 U	0.0051	0.0069	--	0.0007 U	--	1.231	0.0002 U	0.0177
04/07	0.0007 U	0.0008 U	0.1381	0.0009 U	0.02 U--	--	--	0.002 U	0.0094	0.0104	--	0.002 U	--	--	0.0004	0.0194
10/07	0.0007 U	0.0008 U	0.1348	0.0009 U	0.02 U--	--	--	0.002 U	0.0039	0.0071	--	0.0007 U	--	--	0.0002 U	0.0182
03/08	0.0005 U	0.0006 U	0.1286	0.001 U	0.02 U--	--	--	0.002 U	0.0071	0.0072	--	0.002 U	--	--	0.0002 U	0.0152
03/09	0.001 U	0.001 U	0.1465	0.0012 U	0.05 U--	--	--	0.01 U	0.01 U	0.01 U	--	0.0007 U	--	--	0.0002	0.0182
09/09	0.002 U	0.002 U	0.164	0.002 U	--	0.002 U	64.9	0.002 U	0.009	0.007	0.2 U	0.002 U	36	2.77	0.0002 U	0.026
07/10	0.001 U	0.0009 J	0.17	0.001 U	--	0.001 U	--	0.0007 J	0.011	0.0026	--	0.001 U	--	--	0.0002 U	0.032
09/10	0.005 U	0.005 U	0.169	0.005 U	--	0.005 U	68.2	0.005 U	0.0101	0.0094	0.469 J	0.005 U	38.9	3.95	0.0002 U	0.0304
04/11	0.005 U	0.005 U	0.182	0.005 U	--	0.005 U	76.2	0.005 U	0.0147	0.0063	0.837	0.005 U	45.3 J	5.07	0.0002 U	0.0307
09/11	0.005 U	0.005 U	0.191	0.005 U	--	0.005 U	73.8	0.005 U	0.0289	0.00645	0.515	0.0054	46.3	7.98	0.0002 U	--
03/12	0.005 U	0.005 U	0.214	0.005 U	--	0.005 U	81.24	0.005 U	0.0219	0.0119	1.6	0.005 U	48.58	6.33	0.00036	0.0396
09/12	0.005 U	0.005 U	0.171	0.005 U	--	0.005 U	69.1	0.005 U	0.00903	0.00575	0.386	0.005 U	38.6	3.74	0.0002 U	0.0289
04/13	0.005 U	0.005 U	0.185	0.005 U	--	0.005 U	73.3	0.005 U	0.0111	0.0148	0.458	0.005 U	45	3.8	0.0002 U	0.0322
09/13	0.005 U	0.005 U	0.184	0.005 U	--	0.005 U	73.4	0.005 U	0.00681	0.00605	0.541	0.005 U	44	3.59	0.0002 U	0.0265

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>03/14</b>	0.005 U	0.005 U	0.231	0.005 U	--	0.005 U	86.6	0.005 U	0.012	0.00623	0.55	0.005 U	52.1	4.99	0.0002 U	0.0313
<b>09/14</b>	0.005 U	0.005 U	0.276	0.005 U	--	0.005 U	89.2	0.005 U	0.0148	0.00868	0.675	0.005 U	53	5.72	0.0002 U	0.0387
<b>03/15</b>	0.002 U	0.002 U	0.24	0.002 U	--	0.004 U	95	0.01 U	0.013	0.0042 J	0.005 U	0.002 U	61	5.3	0.00021	0.04
<b>08/15</b>	0.001 U	0.001 U	0.26	0.001 U	--	0.0005 U	91	0.005 U	0.0073	0.0052	0.005 U	0.001 U	54	3.9	0.0002 U	0.025
<b>03/16</b>	0.002 U	0.002 U	0.287	0.002 U	--	0.002 U	90.6	0.002 U	0.00741	0.00394	0.579	0.002 U	56.3	5.04	0.0002 U	0.0226
<b>09/16</b>	0.002 U	0.00283	0.285	0.002 U	--	0.002 U	101	0.0077	0.00707	0.00695	0.676	0.002 U	61.9	3.34	0.0002 U	0.0331
<b>03/17</b>	0.002 U	0.0038	0.237	0.002 U	--	0.002 U	76.4	0.002 U	0.00262	0.00819	0.426	0.002 U	45.2	1.25	0.000371	0.014
<b>09/17</b>	0.002 U	0.002 U	0.252	0.002 U	--	0.002 U	84	0.00229	0.00301	0.002 U	0.445	0.002 U	52.9	1.42	0.0002 U	0.011
<b>04/18</b>	0.002 U	0.002 U	0.258	0.002 U	--	0.002 U	85.7	0.00289	0.002 U	0.002 U	0.05 U	0.002 U	52.6	0.969	0.0002 U	0.011
<b>09/18</b>	0.002 U	0.002 U	0.271	0.002 U	--	0.002 U	104	0.00395	0.00223	0.00211	0.05 U	0.002 U	61.9	1.73	0.0002 U	0.0188
<b>04/19</b>	0.001 U	0.001 U	0.315	0.001 U	--	0.001 U	105	0.00114	0.00456	0.00452	0.1 U	0.001 U	74.9	3.54	0.000181	0.0266
<b>08/19</b>	0.001 U	0.001 U	0.342	0.001 U	--	0.001 U	17.7	0.00275	0.00793	0.00548 B	0.1 U	0.001 U	16.5	0.861	0.000138	0.029
<b>03/20</b>	0.001 U	0.001 U	0.355	0.001 U	--	0.001 U	119	0.0016	0.00769	0.00143	0.0258 J	0.001 U	84.9	4.55	0.000133	0.0269
<b>08/20</b>	0.001 U	0.001 U	0.373	0.001 U	--	0.001 U	117 B	0.001 U	0.0117	0.00331	0.0356 J	0.001 U	86.8	5.48	0.00017	0.0278
<b>03/21</b>	0.001 U	0.001 U	0.316	0.001 U	--	0.001 U	107	0.001 U	0.00843	0.00502	0.0296 J	0.001 U	71.6	4.33	0.000121	0.0239
<b>09/21</b>	0.001 U	0.001 U	0.366	0.001 U	--	0.001 U	123	0.001 J	0.00773	0.0208	0.1 U	0.001 U	84.7	5.16	0.000146	0.0251
<b>03/22</b>	0.001 U	0.001 U	0.321	0.001 U	--	0.001 U	115	0.00204 J	0.0201	0.00979 J	0.862	0.001 U	75	3.28	0.00023	0.0201
<b>08/22</b>	0.00100 U	0.00100 U	0.413	0.00100 U	--	0.00100 U	149	0.00153 J	0.00983 J	0.00483	0.682	0.00100 U	103	5.48	0.000163 J	0.0313

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

	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	0.05				0.002		
<b>04/01</b>	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	0.0196
<b>09/01</b>	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
<b>03/02</b>	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
<b>09/02</b>	--	0.002 U	0.0096 U	--	0.001 U	0.0003 U	--
<b>06/03</b>	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>	--	0.002 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>03/04</b>	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	--	0.002 U	0.0018 U	--	0.0013	0.002 U	--
<b>04/06</b>	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	--	0.002 U	0.0005 U	--	0.0007 U	0.002 U	0.0157
<b>10/07</b>	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	0.0084
<b>03/08</b>	--	0.002 U	0.0001 U	--	0.0001 U	0.002 U	0.0161
<b>03/09</b>	--	0.0012 U	0.0043 U	--	0.0008 U	0.0008 U	0.012
<b>09/09</b>	3.52	0.002 U	0.002 U	47.4	0.002 U	0.0003 J	0.01 U
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.016
<b>09/10</b>	3.36	0.005 U	0.005 U	51.8	0.005 U	0.005 U	0.0107
<b>04/11</b>	3.81	0.005 U	0.005 U	58.2	0.005 U	0.005 U	0.0116
<b>09/11</b>	3.78	0.005 U	0.005 U	66.3	0.005 U	0.005 U	0.0128
<b>03/12</b>	4.57	0.005 U	0.005 U	77.79	0.005 U	0.005 U	0.0163
<b>09/12</b>	3.85	0.005 U	0.005 U	57.2	0.005 U	0.005 U	0.0112
<b>04/13</b>	4.55	0.005 U	0.005 U	73.6	0.005 U	0.005 U	0.0118
<b>09/13</b>	3.95	0.005 U	0.005 U	63.5	0.005 U	0.005 U	0.012

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

	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	4.35	0.05			0.002		
<b>03/14</b>	4.35	0.005 U	0.005 U	94.1	0.005 U	0.005 U	0.0133
<b>09/14</b>	4.43	0.005 U	0.005 U	95.4	0.005 U	0.005 U	0.0174
<b>03/15</b>	5.1	0.035 U	0.01 U	120	0.002 U	0.01 U	0.013
<b>08/15</b>	5	0.005 U	0.001 U	97	0.001 U	0.005 U	0.011
<b>03/16</b>	4.38	0.00225	0.000582	125	0.001 U	0.002 U	0.00872
<b>09/16</b>	4.51	0.00401	0.002 U	120	0.001 U	0.00362	0.0106
<b>03/17</b>	4	0.002 U	0.002 U	94.7	0.001 U	0.00465	0.00734
<b>09/17</b>	4.18	0.002 U	0.002 U	122	0.001 U	0.002 U	0.00697
<b>04/18</b>	4.44	0.00281	0.002 U	122	0.001 U	0.002 U	0.00732
<b>09/18</b>	4.58	0.00416	0.002 U	126	0.001 U	0.002 U	0.00845
<b>04/19</b>	5.05	0.001 U	0.001 U	141	0.001 U	0.001 U	0.0142
<b>08/19</b>	4.78	0.001 U	0.001 U	12.5	0.001 U	0.001 U	0.0175 B
<b>03/20</b>	5.48	0.001 U	0.001 U	187	0.001 U	0.001 U	0.0112
<b>08/20</b>	5.5	0.001 U	0.00111	185	0.001 U	0.001 U	0.0108
<b>03/21</b>	4.97	0.001 U	0.001 U	164	0.001 U	0.001 U	0.0152
<b>09/21</b>	5.52	0.001 U	0.001 U	189	0.001 U	0.001 U	0.0103
<b>03/22</b>	5.32	0.001 U	0.00196 J	165	0.001 U	0.001 U	0.0158
<b>08/22</b>	6.01	0.00100 U	0.00100 U	229	0.00100 U	0.00100 U	0.0132

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	200		5	5	5	5	0.2	0.05	600	5	5	75						5		80	
<b>04/01</b>	--	--	--	--	5.04	--	--	--	10 U	--	1.02	10 U	--	--	--	--	--	--	0.1	--	--
<b>09/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	4.84	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>03/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	14.51	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	2.92	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>09/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	2.08	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>06/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	2.95	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
<b>10/03</b>	0.18 U	0.15 U	1 U	0.22 U	5.95	1 U	0.21 U	0.14 U	0.2 U	1 U	1 U	2.34	1.75	0.35	0.18 U	--	0.15 U	--	1.28	0.2 U	0.18 U
<b>03/04</b>	0.18 U	0.15 U	1 U	0.22 U	2.27	0.15 U	0.21 U	1 U	0.2 U	10 U	1 U	1.16	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
<b>09/04</b>	0.13 U	0.24 U	0.44 U	0.25 U	2.5	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.88	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>04/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	1 U	0.28 U	0.43 U	0.27 U	0.34 U	0.44 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>09/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	2.03	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.1	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>04/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	1.37	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.45	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>09/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.28	10 U	1 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>04/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	2.31	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.04	10 U	1 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>10/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	1.48	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>03/08</b>	0.18 U	0.18 U	0.21 U	0.23 U	1.09	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.81	10 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U
<b>03/09</b>	0.12 U	0.17 U	0.14 U	0.17 U	1.02	0.15 U	0.17 U	0.2 U	0.08 U	--	0.5 U	0.54	--	--	--	--	--	--	0.5 U	0.14 U	0.11 U
<b>09/09</b>	1 U	1 U	1 U	1 U	1.85	1 U	1 U	1 U	1 U	1 U	0.39 J	0.75 J	1.94	1 U	1 U	1 U	1 U	1 U	0.49 J	1 U	1 U
<b>07/10</b>	1 U	1 U	1 U	1 U	2	1 U	1 U	10 U	1 U	1 U	1 U	1 U	2	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	1.33 J	2 U	2 U	2 U	2 U	1.48 J	2 U	2 U	3.19	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>03/12</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>04/13</b>		1 U	1 U	1 U	1 U	1.09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.64	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>04/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.026 U	0.01 U	1 U	1 U	1 U	1.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.026 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

08/22	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL	80			5	100		80		70		80	700	10000				5	10000	100	5	1000
<b>04/01</b>	--	--	0.05	--	--	0.31	0.56	--	11.92	--	--	--	0.06	--	--	--	--	--	--	0.84	--
<b>09/01</b>	0.14 U	1 U	0.38 U	0.15 U	0.28 U	1 U	1 U	0.21 U	10.88	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.13	0.27 U	0.21 U	1 U	0.24 U
<b>03/02</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.31 U	1 U	0.21 U	25.37	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	1.61 U	0.24 U
<b>09/02</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	1 U	0.21 U	6.14	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U	0.24 U
<b>06/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	1 U	0.21 U	13.94	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	2.2 U	0.24 U
<b>10/03</b>	0.14 U	1 U	0.38 U	0.15 U	1 U	1 U	1 U	0.21 U	47.72	0.19 U	0.17 U	1 U	1.03	0.17 U	--	0.22 U	1 U	1 U	0.21 U	0.17 U	0.24 U
<b>03/04</b>	0.14 U	1 U	1.04	0.15 U	0.28 U	0.2 U	1 U	1 U	19.47	0.19 U	0.17 U	0.26 U	1 U	1 U	--	0.22 U	0.21 U	1 U	0.21 U	1 U	1 U
<b>09/04</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	1 U	0.25 U	33.97	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>04/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	1 U	0.25 U	5.98	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>09/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	1 U	1 U	1 U	0.25 U	34.36	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	16.06	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>09/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	1.26	0.31 U	1 U	0.25 U	34.18	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.26	0.32 U
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	1 U	0.25 U	22.85	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>10/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	1.21	0.31 U	1 U	0.25 U	25.5	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>03/08</b>	0.12 U	0.5 U	--	0.13 U	0.5 U	0.1 U	0.21 U	0.15 U	14.78	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.5 U	0.28 U
<b>03/09</b>	0.16 U	0.5 U	--	0.14 U	0.69	0.13 U	0.76	0.2 U	9.71	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	1.2	0.12 U
<b>09/09</b>	1 U	1 U	2.5 U	1 U	1.03	0.32 J	0.65 J	1 U	11.8	1 U	1 U	1 U	2 U	1 U	0.66 J	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/10</b>	5 U	1 U	1 U	1 U	2	1 U	0.8 J	1 U	13	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	5 U	2 U	1.43 J	2 U	0.74 J	2 U	7.71	2 U	2 U	2 U	4 U	2 U	0.77 J	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.6	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U
<b>09/11</b>	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 U	2 U	1 U	1 U	--	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
	80				5	100		80		70		80	700	10000				5	10000	100	5	1000
03/12	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	6.2	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
09/12	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13	1 U	1 U	5 U	1 U	1.1	1 U	1.38	1 U	1 U	6.68	1 U	1 U	1 U	2 U	5.12	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/13	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2.81	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2.39	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2.97	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/15	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1.63	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1.79	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1.59	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/17	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/17	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/18	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/19	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/20	1 U	1 U	1 U	1 U	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	1 U	1 U	1 U	1 U	1 U
03/21	1 U	1 U	1 U	1 U	1.7	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 U	1 U	1 U	1 U	1 U
09/21	1 U	1 U	1 U	1 U	1.1	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 U	1 U	1 U	1 U	1 U
03/22	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

MCL	80			5	100		80		20		80	700	10000			5	10000	100	5	1000	
	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 B	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

	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	80	100			5			2	10000
<b>04/01</b>	--	0.69	--	--	6.5	--	--	--	--
<b>09/01</b>	--	1 U	0.13 U	0.14 U	7.59	0.18 U	--	--	--
<b>03/02</b>	--	1.03	0.13 U	0.14 U	5.41	0.18 U	--	--	--
<b>09/02</b>	--	0.22 U	0.13 U	0.14 U	3.11	0.18 U	--	--	--
<b>06/03</b>	--	1 U	0.13 U	0.14 U	3.85	0.18 U	--	--	--
<b>10/03</b>	--	3.35	0.13 U	0.14 U	12.71	0.18 U	--	6.02	--
<b>03/04</b>	--	1 U	0.13 U	0.14 U	4.37	0.18 U	--	1.2	--
<b>09/04</b>	--	1.08	0.24 U	0.3 U	5.77	0.36 U	--	5.13	--
<b>04/05</b>	--	0.45 U	0.24 U	1 U	1.03	0.36 U	--	0.32 U	--
<b>09/05</b>	--	1.09	0.24 U	0.3 U	2.49	0.36 U	--	4.4	--
<b>04/06</b>	--	1 U	0.24 U	0.3 U	2.25	0.36 U	--	3.32	--
<b>09/06</b>	--	1.13	0.24 U	0.3 U	2.34	0.36 U	--	5.26	--
<b>04/07</b>	--	1 U	0.24 U	0.3 U	1.52	0.36 U	--	1.42	--
<b>10/07</b>	--	1.42	0.24 U	0.3 U	1.44	0.36 U	--	4.75	--
<b>03/08</b>	0.05	0.5	0.08 U	--	0.83	0.07 U	--	1.31	--
<b>03/09</b>	0.77	0.5 U	0.13 U	--	0.88	0.1 U	--	0.9	--
<b>09/09</b>	--	0.4 J	1 U	1 U	0.73 J	1 U	--	0.55 J	--
<b>07/10</b>	--	1 U	1 U	5 U	0.5 J	1 U	1 U	4	--
<b>09/10</b>	--	0.7 J	2 U	2 U	2 U	2 U	2 U	5.09	--
<b>04/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

	MCL	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)
	80	100								10000
<b>03/12</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1.2	1 U	1 U
<b>09/12</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1.3	1 U	1 U
<b>09/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/14</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/14</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>08/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

MCL	80	100	100	100	5	5	10000
	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 Chloride (ug/L)
08/22	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
							Xylene (ug/L)
							10000

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>04/01</b>	--	--	--	74.0551	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6	--
<b>09/01</b>	--	--	--	69.1777	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7	--
<b>03/02</b>	--	--	--	81.3822	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.85	--
<b>09/02</b>	--	--	--	140.465	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--
<b>06/03</b>	--	--	--	54.998	--	--	--	--	--	--	0.0776	--	--	--	--	--	0.01 U	--	2.8	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0826	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0387	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.0561	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.0639	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.543	--	--	--	--	--	0.026	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.062	--	--	--	--	--	0.049	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.049	--	--	--	--	--	0.066	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.053	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	0.063	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	38	0.2 U	3.6 J	280	--	390	0.5894	--	--	--	--	--	--	22.4	--	1088	--	--	3.83	--
<b>09/10</b>	40	0.2 U	10 U	310	--	420	0.589	--	--	--	--	--	--	25.4	--	1192	--	--	0.891	--
<b>04/11</b>	35	0.2 U	10 U	302	--	391	0.543	--	--	--	--	--	--	17.8 J	--	288	--	--	0.416	--
<b>09/11</b>	36	0.2 U	10 U	350	--	463	0.576	--	--	--	--	--	--	21.5	--	68	--	--	--	--
<b>03/12</b>	36	0.2 U	10 U	334	--	414	0.582	--	--	--	--	--	--	18.4	--	824	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>09/12</b>	33	0.2 U	10 U	36	--	112	0.2 U	--	--	--	--	--	--	4.91	--	176	--	--	--	--
<b>03/13</b>	33	0.2 U	10 U	335	0.06	426	0.623	343	5.70	--	--	1.286	--	19.3	14.66	796	--	--	--	0
<b>09/13</b>	34	0.2 U	10 U	419	0.05	520	0.616	404	5.34	--	--	1327	--	22.2	15.65	1072	--	--	--	0
<b>03/14</b>	33	0.2 U	10 U	359	0.02	444	0.651	401	5.33	--	--	1125	--	22.5	14.76	944	--	--	--	1.62
<b>09/14</b>	37	0.2 U	10 U	383	2.7	498	0.614	327	5.77	--	--	1249	--	22.9	15.13	826	--	--	--	1.4
<b>03/15</b>	32	0.2 U	10 U	299	0	432	0.625	376	5.49	--	--	851.1	--	17.5	13.64	644	--	--	--	5.4
<b>08/15</b>	37	0.2 U	10 U	431	0.92	580	0.693	280	5.59	--	--	1365	--	21.5	16.75	932	--	--	--	2.61
<b>03/16</b>	35	0.2 U	10 U	391	0	508	0.99	370	5.58	--	--	1230	--	23.5	17.42	770	--	--	--	4.6
<b>08/16</b>	38	0.2 U	10 U	405	--	552	0.944	374	5.66	--	--	686	--	23.2	15.53	936	--	--	--	0
<b>03/17</b>	63	0.2 U	10 U	407	--	202	1.38	424	5.55	--	--	1292	--	19.3	13.74	670	--	--	--	0
<b>09/17</b>	52	0.2 U	10 U	401	0.5	450	1.67	468	5.74	--	--	1433	--	18.5	14.49	929	--	--	--	0
<b>03/18</b>	39.2	0.2 U	10 U	394	--	540	1.91	235	5.75	--	--	1208	--	19.9	11.57	1040	--	--	--	16.8
<b>09/18</b>	41.4	0.2 U	10 U	381	--	473	1.66	232	5.52	--	--	1246	--	19.7	15.59	747	--	--	--	0
<b>04/19</b>	34.7	0.1 U	13	196	1.09	251	1.9	167.6	5.50	5.78	--	87.2	707	24.5	14.4	659	--	24.1	7.65	9.9
<b>08/19</b>	44.3	0.1 U	8.9	322	0.13	380	1.2	187.5	5.30	5.88	--	1.138	1160	24.1	16.6	975	--	2.3 U	0.5 U	0
<b>03/20</b>	38.1	0.1 U	3 U	331	0.5	392	1.71	238.3	5.48	5.63	--	1124	1150	24.1	17	772	--	41.8	2.74	4.5
<b>08/20</b>	31.2	0.1 U	11.5	330	0.68	411	1.13	215	5.69	5.65	--	1114	1280	24.4	17.7	690	--	79.4	12	15.5
<b>03/21</b>	38.7	0.1 U	4	331	0.15	381	1.14	213.3	5.44	5.61	--	1149	1210	26	16	651	--	2.6	0.5 U	1.18
<b>08/21</b>	49.8	0.05 U	18.3	410	0.65	508	1.29	252.9	5.79	5.67	--	134.8	1420	25.5	18.7	873	--	10.4	4.19	5.7
<b>04/22</b>	56.2	0.02 J	3 U	416	0.65	537	1.16	184.9	5.49	5.68	--	1389	1501	24.5	15.2	824	--	29.4	1.74	8.1
<b>08/22</b>	60.8	0.03 J	15.8	410	1.20	561	1.41	164.3	5.62	5.71	--	1290.0	1504	24.1	16.2	802	--	27.9	2.51	17.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
04/01	0.0007 U	0.0005 U	0.0791	0.0005 U	--	0.0022	--	0.002 U	0.0007 U	0.0139	--	0.0029	--	0.0362	0.0001 U
09/01	0.002 U	0.002 U	0.0946	0.0017 U	--	0.002 U	--	0.002 U	0.0004 U	0.0086	--	0.0034	--	0.0142	0.0002 U
03/02	0.002 U	0.0007 U	0.1163	0.0017 U	--	0.002 U	--	0.0039	0.0004 U	0.0118	--	0.0026	--	0.0216	0.0001 U
09/02	0.0007 U	0.0003 U	0.1795	0.0004 U	--	0.002 U	--	0.0026	0.002 U	0.0102	--	0.0063	--	0.1027	0.0001 U
06/03	0.0007 U	0.002 U	0.105	0.0004 U	--	0.002 U	--	0.0005 U	0.0004 U	0.009	--	0.002 U	--	0.0345	0.0002 U
10/03	0.0009 U	0.0008 U	0.0976	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.01 U	--	0.002 U	--	0.0217	0.0002 U
03/04	0.0009 U	0.0008 U	0.1032	0.0016 U	--	0.0007 U	--	0.002 U	0.0005 U	0.01 U	--	0.002 U	--	0.0327	0.0002 U
09/04	0.0028 U	0.0006 U	0.1403	0.0012 U	--	0.002 U	--	0.002 U	0.002 U	0.0154	--	0.002 U	--	0.0366	0.0002
04/05	0.0028 U	0.0006 U	0.1033	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0159	--	0.002 U	--	0.0313	0.0001 U
09/05	0.0028 U	0.0006 U	0.1198	0.0012 U	--	0.002 U	--	0.002 U	0.0005 U	0.0114	--	0.002	--	0.0303	0.0013
04/06	0.0006 U	0.0006 U	0.1035	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.0137	--	0.0031	--	0.0128	0.0002 U
09/06	0.0007 U	0.0008 U	0.2976	0.0009 U	--	0.0006 U	--	0.002 U	0.0005 U	0.0057	--	0.0007 U	--	0.002 U	0.0002 U
04/07	0.0007 U	0.0008 U	0.2861	0.0009 U	0.0063 U	--	--	0.002 U	0.0005 U	0.0062	--	0.0007 U	--	--	0.0002 U
10/07	0.002 U	0.0008 U	0.1479	0.0009 U	0.0063 U	--	--	0.002 U	0.0005 U	0.0103	--	0.002 U	--	--	0.0002 U
03/08	0.0005 U	0.0006 U	0.2413	0.001 U	0.02 U	--	--	0.002 U	0.0012 U	0.0045	--	0.001 U	--	--	0.0002 U
09/08	0.001 U	0.0012 U	0.1676	0.002 U	0.04 U	--	--	0.0016 U	0.0024 U	0.0061	--	0.002 U	--	--	0.0002 U
03/09	0.0033	0.0006 U	0.2743	0.001 U	0.02 U	--	--	0.002 U	0.0012 U	0.0064	--	0.001 U	--	--	0.0002 U
09/09	0.002 U	0.002 U	0.354	0.002 U	--	0.002 U	77.5	0.002 U	0.0003 J	0.0054	0.414	0.002 U	46.4	0.0381	0.0002 U
07/10	0.001 U	0.001	0.35	0.001 U	--	0.001 U	--	0.001 U	0.001 U	0.001	--	0.001 U	--	--	0.0002 U
09/10	0.005 U	0.005 U	0.345	0.005 U	--	0.005 U	87.1	0.005 U	0.005 U	0.0077	0.682	0.005 U	52.3	0.0449	0.0002 U
04/11	0.005 U	0.005 U	0.349	0.005 U	--	0.005 U	82.9	0.005 U	0.005 U	0.0053	0.5 U	0.005 U	53.4	0.0513	0.0002 U
09/11	0.005 U	0.005 U	0.397	0.005 U	--	0.005 U	96.3	0.005 U	0.005 U	0.005 U	0.58	0.005 U	59.1	0.0465	0.0002 U
03/12	0.005 U	0.005 U	0.356	0.005 U	--	0.005 U	94	0.005 U	0.005 U	0.00507	0.396	0.005 U	53.1	0.0449	0.0002 U
09/12	0.005 U	0.005 U	0.0568	0.005 U	--	0.005 U	24.7	0.005 U	0.005 U	0.005 U	0.793	0.005 U	10.6	0.718	0.0002 U
03/13	0.005 U	0.005 U	0.385	0.005 U	--	0.005 U	90.3	0.005 U	0.005 U	0.0112	0.486	0.005 U	52.4	0.0418	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>09/13</b>	0.005 U	0.005 U	0.439	0.005 U	--	0.005 U	112	0.005 U	0.005 U	0.005 U	0.521	0.005 U	66.7	0.0548	0.0002 U
<b>03/14</b>	0.005 U	0.005 U	0.399	0.005 U	--	0.005 U	88.9	0.005 U	0.005 U	0.005 U	0.574	0.005 U	49.2	0.0469	0.0002 U
<b>09/14</b>	0.005 U	0.005 U	0.436	0.005 U	--	0.005 U	91.2	0.005 U	0.005 U	0.005 U	0.567	0.005 U	54.3	0.0503	0.0002 U
<b>03/15</b>	0.002 U	0.002 U	0.3	0.002 U	--	0.004 U	80	0.0033 J	0.01 U	0.0035 J	0.62	0.002 U	42	0.031	0.0002 U
<b>08/15</b>	0.001 U	0.001 U	0.46	0.001 U	--	0.0005 U	110	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U	64	0.043	0.0002 U
<b>03/16</b>	0.002 U	0.002 U	0.436	0.002 U	--	0.002 U	102	0.002 U	0.002 U	0.002 U	0.703	0.002 U	59.6	0.0544	0.0002 U
<b>08/16</b>	0.002 U	0.002 U	0.473	0.002 U	--	0.002 U	103	0.002 U	0.002 U	0.002 U	1.33	0.002 U	62.7	0.0519	0.0002 U
<b>03/17</b>	0.005 U	0.005 U	0.477	0.005 U	--	0.005 U	111	0.005 U	0.005 U	0.005 U	1.21	0.005 U	67.3	0.0533	0.0002 U
<b>09/17</b>	0.002 U	0.002 U	0.488	0.002 U	--	0.002 U	107	0.002 U	0.002 U	0.002 U	0.922	0.002 U	65.6	0.0438	0.0002 U
<b>03/18</b>	0.005 U	0.005 U	0.493	0.005 U	--	0.005 U	109	0.005 U	0.005 U	0.005 U	2.01	0.005 U	65.7	0.0468	0.000475
<b>09/18</b>	0.002 U	0.002 U	0.426	0.002 U	--	0.002 U	94.7	0.00277	0.002 U	0.002 U	0.05 U	0.002 U	57.3	0.0348	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.214	0.001 U	--	0.001 U	48.2	0.00855	0.001 U	0.00201	0.757	0.001 U	31.8	0.0437	0.000595
<b>08/19</b>	0.001 U	0.001 U	0.341	0.001 U	--	0.001 U	69	0.001 U	0.001 U	0.001 U	0.1 U	0.001 U	50.3	0.0347	0.000117
<b>03/20</b>	0.001 U	0.001 U	0.337	0.001 U	--	0.001 U	74.2	0.001 U	0.001 U	0.0032	0.123	0.001 U	50.2	0.0382	0.000105
<b>08/20</b>	0.001 U	0.001 U	0.404	0.001 U	--	0.001 U	74.1	0.00297	0.001 U	0.00226	1.06	0.001 U	54.8	0.0501	0.000465
<b>03/21</b>	0.001 U	0.001 U	0.33	0.001 U	--	0.001 U	73.1	0.001 U	0.001 U	0.00179	0.016 J	0.001 U	48.3	0.0409	0.0001 U
<b>08/21</b>	0.001 U	0.001 U	0.461	0.001 U	--	0.001 U	94.7	0.00268	0.001 U	0.00163	0.435	0.001 U	65.9	0.0569	0.000342
<b>04/22</b>	0.001 U	0.001 U	0.476	0.001 U	--	0.001 U	106	0.00298 J	0.00151 J	0.00385 J	0.501	0.001 U	65.7	0.0514	0.000153 J
<b>08/22</b>	0.00100 U	0.00100 U	0.473	0.00100 U	--	0.00100 U	104	0.00157	0.00100 U	0.00145	0.643	0.00100 U	73.1	0.0470	0.000183 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

	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			0.05			0.002		
<b>04/01</b>	0.0035	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	0.0175
<b>09/01</b>	0.01 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
<b>03/02</b>	0.01 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.0007 U	--
<b>09/02</b>	0.0083	--	0.0012 U	0.0096 U	--	0.001 U	0.0003 U	--
<b>06/03</b>	0.0052	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>	0.004	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>03/04</b>	0.0049	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	0.0059	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	0.0064	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	0.006	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/06</b>	0.0061	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	0.0082	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	0.0092	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	0.0068
<b>10/07</b>	0.0059	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	0.0156
<b>03/08</b>	0.0077	--	0.0009 U	0.0008 U	--	0.0006 U	0.0006 U	0.01 U
<b>09/08</b>	0.0073	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
<b>03/09</b>	0.0092	--	0.0009 U	0.0008 U	--	0.0006 U	0.0006 U	0.0131
<b>09/09</b>	0.0122	4.73	0.002 U	0.002 U	31.2	0.002 U	0.0002 J	0.01 U
<b>07/10</b>	0.0099	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.012
<b>09/10</b>	0.012	4.69	0.005 U	0.005 U	35	0.005 U	0.005 U	0.0081
<b>04/11</b>	0.011	5.2	0.005 U	0.005 U	31.6 J	0.005 U	0.005 U	0.00823
<b>09/11</b>	--	5.78	0.005 U	0.005 U	34.9	0.005 U	0.005 U	0.00783
<b>03/12</b>	0.0138	4.82	0.005 U	0.005 U	37.5	0.005 U	0.005 U	0.00652
<b>09/12</b>	0.0135	3.56	0.005 U	0.005 U	10.9	0.005 U	0.005 U	0.00607
<b>03/13</b>	0.0115	5.24	0.005 U	0.005 U	35.9	0.005 U	0.005 U	0.00696

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

	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			0.05			0.002		
<b>09/13</b>	0.0131	5.51	0.005 U	0.005 U	39.8	0.005 U	0.005 U	0.00883
<b>03/14</b>	0.0148	5.01	0.005 U	0.005 U	30.9	0.005 U	0.005 U	0.00758
<b>09/14</b>	0.0125	4.95	0.005 U	0.005 U	36.8	0.005 U	0.005 U	0.00972
<b>03/15</b>	0.011 U	3.5	0.035 U	0.01 U	26	0.002 U	0.01 U	0.013
<b>08/15</b>	0.01 U	5.9	0.005 U	0.001 U	46	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.0111	4.46	0.002 U	0.002 U	41.2	0.001 U	0.002 U	0.00474
<b>08/16</b>	0.012	5.43	0.002 U	0.002 U	43.7	0.001 U	0.00202	0.00498
<b>03/17</b>	0.0168	5.53	0.005 U	0.005 U	47.3	0.005 U	0.00522	0.00909
<b>09/17</b>	0.0111	5.27	0.002 U	0.002 U	46	0.001 U	0.002 U	0.00518
<b>03/18</b>	0.0145	5.8	0.005 U	0.005 U	48.1	0.005 U	0.005 U	0.0391
<b>09/18</b>	0.0117	5.3	0.002 U	0.002 U	43.5	0.001 U	0.002 U	0.00457
<b>04/19</b>	0.0108	3.09	0.001 U	0.001 U	28	0.001 U	0.00141	0.00945
<b>08/19</b>	0.00903	4.55	0.001 U	0.001 U	41.1	0.001 U	0.001 U	0.004 U
<b>03/20</b>	0.00838	4.44	0.001 U	0.001 U	40.1	0.001 U	0.001 U	0.00615
<b>08/20</b>	0.0107	5.44	0.001 U	0.001 U	46.1	0.001 U	0.00246	0.00691
<b>03/21</b>	0.00806	4.17	0.001 U	0.001 U	41.4	0.001 U	0.001 U	0.00822 B
<b>08/21</b>	0.0122	5.99	0.001 U	0.001 U	56	0.001 U	0.00177	0.00633
<b>04/22</b>	0.0127	6.14	0.001 U	0.001 U	57.7	0.001 U	0.00196 J	0.00668 J
<b>08/22</b>	0.0118	6.32	0.00100 U	0.00100 U	60.3	0.00100 U	0.00206 J	0.00562 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	200			5		5		0.2	0.05	600	5	5	75						5		80
<b>04/01</b>	--	--	--	--	0.13	--	--	--	--	10 U	--	--	10 U	--	--	--	--	--	--	--	--
<b>09/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	4.01	1 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>03/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	1.84	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>09/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	4.14	1 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>06/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	5.4	1 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	2.76	0.2 U	0.18 U
<b>10/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	5.99	1 U	0.21 U	0.14 U	0.2 U	1 U	0.17 U	1.24	1 U	0.36	0.18 U	--	0.15 U	--	3.5	0.2 U	0.18 U
<b>03/04</b>	0.18 U	0.15 U	0.23 U	0.22 U	1.77	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	5.15	1 U	--	0.15 U	--	1 U	0.2 U	0.18 U
<b>09/04</b>	0.13 U	0.24 U	0.44 U	0.25 U	1.24	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1 U	10 U	0.29 U	0.19 U	--	2.8	--	1 U	0.34 U	0.31 U
<b>04/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>09/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	1.1	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>04/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>09/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>04/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>10/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>03/08</b>	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U
<b>09/08</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
<b>03/09</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
<b>09/09</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.3 J	1 U	1 U	1 U	0.86 J	1 U	1 U	1 U	1 U
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
09/11	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
09/12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/13	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
09/13	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/14	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
09/14	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
08/15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/16	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
08/16	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
09/17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/18	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
09/18	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
04/19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
08/19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
03/20	100	100	100	100	100	100	100	100	100	100	100	100	100	100	500	500	500	500	500	100	100	100
08/20	100	100	100	100	100	100	100	100	0.048	0.019	100	100	100	100	500	500	500	500	500	100	100	100
03/21	100	100	100	100	100	100	100	100	0.048	0.019	100	100	100	100	500	500	500	500	500	100	100	100
08/21	100	100	100	100	100	100	100	100	0.047	0.019	100	100	100	100	500	500	500	500	500	100	100	100

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
	80			5	100			80		70		80	700	10000			5	10000	100	5	
<b>04/01</b>	--	--	--	--	--	--	--	--	--	1.22	--	--	--	0.07	--	--	--	--	--	--	0.78
<b>09/01</b>	0.14 U	1 U	1 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	67.24	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	--	0.22 U	1.31	0.27 U	0.21 U	1.05
<b>03/02</b>	1 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 U	0.26 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
<b>09/02</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	143.07	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
<b>06/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	162.61	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	--	0.22 U	0.21 U	0.27 U	0.21 U	6.6
<b>10/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	1 U	1 U	0.23 U	0.21 U	189.59	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	--	0.22 U	1 U	1 U	0.21 U	12.1
<b>03/04</b>	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	1 U	66.86	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	--	0.22 U	0.21 U	0.27 U	0.21 U	1.52
<b>09/04</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	48.26	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	--	0.25 U	0.34 U	0.18 U	0.25 U	1.05
<b>04/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	19.58	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	--	0.25 U	0.34 U	0.18 U	0.25 U	2.46
<b>09/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	43.45	0.29 U	0.27 U	0.23 U	2 U	0.28 U	--	--	0.25 U	0.34 U	0.18 U	0.25 U	1.45
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	6.9	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
<b>09/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
<b>10/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	5.96	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
<b>03/08</b>	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	0.26 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
<b>09/08</b>	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	6.87	0.12 U	0.13 U	0.12 U	0.23 U	--	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.61
<b>03/09</b>	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	9.19	0.12 U	0.13 U	0.12 U	0.23 U	--	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.5 U
<b>09/09</b>	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.45 U
<b>07/10</b>	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	--	1 U	1 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	MCL	80		5	100		80		70		80	700	10000			5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/11		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 U	1 U	1 U	--	1 U	1 U	
03/12		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 U	1 U	1 U	--	1 U	1 U	
09/12		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/13		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/13		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/14		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/14		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/15		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
08/15		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/16		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
08/16		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/17		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/17		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/18		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/18		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
04/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	
08/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	
03/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	
08/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	
03/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	
08/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>04/22</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/01</b>	--	--	--	--	--	1.31	--	--	--	--
<b>09/01</b>	0.24 U	--	1.2	0.13 U	0.14 U	3.77	1 U	--	--	--
<b>03/02</b>	0.24 U	--	0.22 U	0.13 U	0.14 U	3.57	0.18 U	--	--	--
<b>09/02</b>	0.24 U	--	1.2	0.13 U	0.14 U	5.06	0.18 U	--	--	--
<b>06/03</b>	0.24 U	--	1.67	0.13 U	0.14 U	26.98	0.18 U	--	--	--
<b>10/03</b>	0.24 U	--	3.37	0.13 U	0.14 U	30.84	0.18 U	--	11.19	--
<b>03/04</b>	0.24 U	--	1 U	0.13 U	0.14 U	9.27	0.18 U	--	1.68	--
<b>09/04</b>	0.32 U	--	1 U	0.24 U	0.3 U	6.68	0.36 U	--	3.45	--
<b>04/05</b>	0.32 U	--	1 U	0.24 U	0.3 U	5.14	0.36 U	--	1.39	--
<b>09/05</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	4.6	0.36 U	--	1.74	--
<b>04/06</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	2.27	0.36 U	--	0.32 U	--
<b>09/06</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/07</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>10/07</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	1.57	0.36 U	--	0.32 U	--
<b>03/08</b>	0.28 U	0.05	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.12 U	0.1	0.5 U	0.13 U	--	1.39	0.1 U	--	0.5 U	--
<b>03/09</b>	0.12 U	0.01	0.14 U	0.13 U	--	1.01	0.1 U	--	0.18 U	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>08/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>08/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

	MCL	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)
	1000		80	100			5			2	10000
<b>04/22</b>		1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB02 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																				
<b>04/01</b>	--	--	--	76.794	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.1	--
<b>09/01</b>	--	--	--	77.0228	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.6	--
<b>03/02</b>	--	--	--	80.4001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.11	--
<b>09/02</b>	--	--	--	77.8282	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	--
<b>06/03</b>	--	--	--	84.7667	--	--	--	--	--	--	0.0151	--	--	--	--	--	0.01 U	--	3.4	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0463	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.0235	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0117	--	--	--	--	--	0.021	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.014	--	--	--	--	--	0.084	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.021	--	--	--	--	--	0.042	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.016	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	0.023	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	67	0.2 U	10 U	212	--	350	0.2 U	--	--	--	--	--	--	13.5	--	780	--	--	10.3	--
<b>09/10</b>	72	0.2 U	10 U	90	--	169	0.2 U	--	--	--	--	--	--	7.38	--	388	--	--	2.6	--
<b>04/11</b>	70	0.2 U	10 U	47.3	--	130	0.2 U	--	--	--	--	--	--	4.24	--	336	--	--	33.3	--
<b>09/11</b>	72	0.2 U	10 U	51.1	--	125	0.2 U	--	--	--	--	--	--	5.87	--	1264	--	--	--	--
<b>03/12</b>	68	0.2 U	10 U	49.9	--	116	0.2 U	--	--	--	--	--	--	4.51	--	252	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>09/12</b>	68	0.2 U	10 U	404	--	500	0.575	--	--	--	--	--	--	20.2	--	1124	--	--	--	--
<b>03/13</b>	67	0.2 U	34.6	27.8	0.05	86	0.2 U	182	7.16	--	--	252.9	--	5.14	13.95	152	--	--	--	7.5
<b>09/13</b>	65	0.2 U	10 U	32.2	0.04	98	0.2 U	196	6.74	--	--	229.3	--	4.79	15.47	174	--	--	--	35.3
<b>03/14</b>	67	0.2 U	10 U	24.3	0.07	106	0.2 U	184	6.85	--	--	199	--	4.96	14.68	178	--	--	--	83.2
<b>09/14</b>	66	0.2 U	10 U	44.8	1.67	118	0.2 U	178	7.10	--	--	268	--	5.54	15.26	166	--	--	--	10.5
<b>03/15</b>	72	0.2 U	10 U	101	0	170	0.2 U	298	6.66	--	--	388.5	--	7.29	11.53	286	--	--	--	23.9
<b>08/15</b>	73	0.2 U	10 U	107	3.05	202	0.2 U	165	6.77	--	--	508.5	--	6.27	19.4	320	--	--	--	14.9
<b>03/16</b>	67	0.2 U	10 U	54.8	0	120	0.2 U	221	7.02	--	--	301.1	--	6.19	18.28	263	--	--	--	3
<b>08/16</b>	85	0.2 U	10 U	109	--	196	0.2 U	220	6.41	--	--	484.7	--	8.24	17.43	382	--	--	--	16.4
<b>03/17</b>	102	0.2 U	10 U	32.2	4.11	112	0.2 U	299	7.00	--	--	222.8	--	5.25	10.76	115	--	--	--	7.7
<b>09/17</b>	93	0.2 U	10 U	20.7	12.4	170	0.2 U	329	7.11	--	--	193.5	--	5.33	14.44	150	--	--	--	--
<b>03/18</b>	70.2	0.2 U	10 U	12.1	--	82	0.2 U	136	7.15	--	--	159	--	5.25	11.89	133	--	--	--	5.9
<b>09/18</b>	69.3	0.2 U	10 U	80.9	--	156	0.2 U	128	6.47	--	--	402.5	--	6.49	14.86	262	--	--	--	8.6
<b>04/19</b>	59.3	0.1 U	12	195	0.29	260	0.2 J	167.6	5.99	6.69	--	889	719	15.8	13.9	642	--	10.6	8.47	6.4
<b>08/19</b>	59.6	0.1 U	6.3	209	0.29	287	0.2 U	176.1	5.63	6.18	--	0.814	826	20	16.1	616	--	4.2	3.91	0.44
<b>03/20</b>	72.6	0.1 U	3 U	174	0.42	252	0.2 U	181.1	6.12	6.29	--	687	717	14.4	15.8	494	--	12	11.3	7.3
<b>08/20</b>	46	0.1 U	10.8	140	1.1	225	0.2 U	181.7	6.43	6.42	--	594	636	11.4	20.5	374	--	12.3	10.7	14.5
<b>03/21</b>	72.9	0.1 U	3 U	189	0.41	249	0	110.8	6.11	6.32	--	674	784	14.9	14.2	464	--	8.9	4.18	0.3
<b>08/21</b>	81.6	0.05 U	13.4	195	0.91	285	0.011 U	99.1	6.34	6.26	--	835	791	14.2	23.2	333	--	6.1	5.07	7
<b>04/22</b>	89.3	0.03 J	3 U	143	0.97	241	0.011 U	79.7	6.26	6.45	--	634	656	10.9	13.8	521	--	8.6	4.64	10.8
<b>08/22</b>	89.1	0.04 J	13.7	173	0.81	279	0.011 U	60.6	6.20	6.33	--	663.0	753.8	11.9	17.3	371	--	45.4	22.0	32.40

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0007 U	0.0005 U	0.054	0.0005 U	--	0.002 U	--	0.002 U	0.0007 U	0.01 U	--	0.002 U	--	0.116	0.0001 U	0.002 U
09/01	0.002 U	0.002 U	0.1256	0.0017 U	--	0.002 U	--	0.002 U	0.002 U	0.0121	--	0.0167	--	0.9124	0.0001 U	0.01 U
03/02	0.002 U	0.0007 U	0.0838	0.0017 U	--	0.002 U	--	0.0035	0.002 U	0.0132	--	0.0051	--	0.4259	0.0001 U	0.01 U
09/02	0.0007 U	0.002 U	0.1125	0.0004 U	--	0.002 U	--	0.0026	0.002 U	0.0137	--	0.0034	--	0.437	0.0001 U	0.005
06/03	0.0007 U	0.002 U	0.0524	0.0004 U	--	0.0004 U	--	0.002 U	0.002 U	0.009	--	0.002 U	--	0.1219	0.0002 U	0.0025
10/03	0.0009 U	0.002 U	0.1579	0.0016 U	--	0.002 U	--	0.002 U	0.003	0.01 U	--	0.002 U	--	1.429	0.0002 U	0.0043
03/04	0.0009 U	0.002 U	0.1567	0.0016 U	--	0.0007 U	--	0.002 U	0.002 U	0.0106	--	0.002	--	0.5523	0.0002 U	0.0035
09/04	0.0028 U	0.002 U	0.1684	0.0012 U	--	0.002 U	--	0.002 U	0.0034	0.0154	--	0.002 U	--	1.252	0.0001 U	0.0046
04/05	0.0028 U	0.0006 U	0.1443	0.0012 U	--	0.002 U	--	0.002 U	0.002 U	0.0176	--	0.002 U	--	0.2375	0.0001 U	0.004
09/05	0.0028 U	0.002 U	0.1971	0.0012 U	--	0.002 U	--	0.002 U	0.0055	0.0267	--	0.0049	--	1.3188	0.0001 U	0.0074
04/06	0.0006 U	0.0006 U	0.1508	0.0007 U	--	0.002 U	--	0.002 U	0.002 U	0.0101	--	0.0022	--	0.1466	0.0001 U	0.0022
09/06	0.0007 U	0.0008 U	0.2539	0.0009 U	--	0.0006 U	--	0.002 U	0.0049	0.0054	--	0.0007 U	--	1.314	0.0002 U	0.0047
04/07	0.0007 U	0.002 U	0.2817	0.0009 U	0.02 U--	--	--	0.002 U	0.0065	0.008	--	0.002 U	--	--	0.0002 U	0.0088
10/07	0.002 U	0.002 U	0.2464	0.0009 U	0.02 U--	--	--	0.002 U	0.002 U	0.0192	--	0.002 U	--	--	0.0002 U	0.0062
03/08	0.0005 U	0.0006 U	0.1635	0.001 U	0.02 U--	--	--	0.0008 U	0.002 U	0.0052	--	0.001 U	--	--	0.0002 U	0.0028
09/08	0.001 U	0.0012 U	0.1338	0.002 U	0.04 U--	--	--	0.0016 U	0.0024 U	0.0074	--	0.002 U	--	--	0.0002 U	0.004 U
03/09	0.002	0.0006 U	0.1568	0.001 U	0.02 U--	--	--	0.0008 U	0.0012 U	0.0055	--	0.001 U	--	--	0.0002 U	0.0021
09/09	0.002 U	0.002 U	0.296	0.002 U	--	0.002 U	60.6	0.002 U	0.0057	0.006	2.66	0.002 U	32.2	1.21	0.0002 U	0.0082
07/10	0.001 U	0.0024	0.15	0.001 U	--	0.0012	--	0.01	0.0081	0.029	--	0.0096	--	--	0.0002 U	0.013
09/10	0.005 U	0.005 U	0.126	0.005 U	--	0.005 U	39.1	0.005 U	0.005 U	0.0069	0.818	0.005 U	17.7	1.24	0.0002 U	0.005 U
04/11	0.005 U	0.005 U	0.531	0.005 U	--	0.005 U	72.2	0.005 U	0.0587	0.005 U	25.2 J	0.005 U	59.3	10.1	0.0002 U	0.0168
09/11	0.005 U	0.005 U	0.0771	0.005 U	--	0.005 U	28.2	0.005 U	0.005 U	0.005 U	0.768	0.005 U	12.1	0.876	0.0002 U	--
03/12	0.005 U	0.005 U	0.0702	0.005 U	--	0.005 U	28.37	0.005 U	0.005 U	0.00631	1.18	0.005 U	11.97	0.919	0.0002 U	0.005 U
09/12	0.005 U	0.005 U	0.427	0.005 U	--	0.005 U	103	0.005 U	0.005 U	0.005 U	0.586	0.005 U	59	0.0582	0.0002 U	0.005 U
03/13	0.005 U	0.005 U	0.05	0.005 U	--	0.005 U	20.9	0.005 U	0.005 U	0.0106	0.725	0.005 U	9.45	0.6	0.0002 U	0.005 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.005 U	0.0524	0.005 U	--	0.005 U	23.6	0.005 U	0.005 U	0.005 U	1.01	0.005 U	9.94	0.623	0.0002 U	0.005 U
<b>03/14</b>	0.005 U	0.005 U	0.0575	0.005 U	--	0.005 U	23.3	0.005 U	0.005 U	0.00863	3.27	0.005 U	9.4	0.686	0.0002 U	0.00559
<b>09/14</b>	0.005 U	0.005 U	0.0636	0.005 U	--	0.005 U	23.6	0.005 U	0.005 U	0.005 U	0.922	0.005 U	10.6	0.699	0.0002 U	0.005 U
<b>03/15</b>	0.002 U	0.002 U	0.12	0.002 U	--	0.004 U	35	0.0072 J	0.01 U	0.0044 J	1.4	0.002 U	17	0.84	0.0002 U	0.011 U
<b>08/15</b>	0.001 U	0.001 U	0.13	0.001 U	--	0.0005 U	42	0.019	0.005 U	0.005 U	1.1	0.001 U	20	1.3	0.0002 U	0.018
<b>03/16</b>	0.002 U	0.002 U	0.0814	0.002 U	--	0.002 U	39	0.002 U	0.002 U	0.002 U	0.612	0.002 U	16.6	0.8	0.0002 U	0.002 U
<b>08/16</b>	0.005 U	0.005 U	0.147	0.005 U	--	0.005 U	49.7	0.005 U	0.005 U	0.005 U	1.36	0.005 U	20.1	1.27	0.0002 U	0.005 U
<b>03/17</b>	0.005 U	0.005 U	0.0687	0.005 U	--	0.005 U	25.3	0.005 U	0.005 U	0.00549	1.3	0.005 U	9.9	0.573	0.0002 U	0.005 U
<b>09/17</b>	0.005 U	0.005 U	0.0574	0.005 U	--	0.005 U	22.5	0.005 U	0.005 U	0.0095	1.23	0.005 U	8.71	0.593	0.0002 U	0.005 U
<b>03/18</b>	0.005 U	0.005 U	0.0433	0.005 U	--	0.005 U	18.9	0.005 U	0.005 U	0.005 U	0.738	0.005 U	6.84	0.608	0.0002 U	0.005 U
<b>09/18</b>	0.005 U	0.005 U	0.104	0.005 U	--	0.005 U	36.1	0.005 U	0.005 U	0.005 U	0.406	0.005 U	16.1	0.879	0.0002 U	0.005 U
<b>04/19</b>	0.001 U	0.001 U	0.299	0.001 U	--	0.001 U	49.4	0.00293	0.00514	0.0033	0.657	0.001 U	33.1	1.18	0.0001 U	0.0137
<b>08/19</b>	0.001 U	0.001 U	0.333	0.001 U	--	0.001 U	55.1	0.00307	0.00595	0.00184	0.498	0.001 U	36.3	1.48	0.0001 U	0.0153
<b>03/20</b>	0.001 U	0.001 U	0.236	0.001 U	--	0.001 U	50.8	0.00202	0.00724	0.00142	1.04	0.001 U	30.3	1.74	0.0001 U	0.00864
<b>08/20</b>	0.001 U	0.001 U	0.241	0.001 U	--	0.001 U	45.1	0.0023	0.0101	0.0031	0.947	0.001 U	27.2	1.56	0.0001 U	0.00857
<b>03/21</b>	0.001 U	0.001 U	0.248	0.001 U	--	0.001 U	49.9	0.00153	0.0101	0.00313	0.705	0.001 U	30.3	1.46	0.0001 U	0.00748
<b>08/21</b>	0.001 U	0.001 U	0.266	0.001 U	--	0.001 U	58.1	0.0017	0.00819	0.00252	1.18	0.001 U	33.9	1.52	0.0001 U	0.00768
<b>04/22</b>	0.001 U	0.001 U	0.185	0.001 U	--	0.001 U	54	0.00112 J	0.0058 J	0.00394 J	0.929	0.001 U	25.8	1.58	0.0001 U	0.00474 J
<b>08/22</b>	0.00100 U	0.00168 J	0.249	0.00100 U	--	0.00100 U	58.4	0.00367 J	0.00839 J	0.0109	3.53	0.00153 J	32.2	1.43	0.000100 U	0.00810 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

	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	0.05				0.002		
<b>04/01</b>	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	0.01 U
<b>09/01</b>	--	0.002 U	0.0044 U	--	0.0027 U	0.002 U	--
<b>03/02</b>	--	0.0009 U	0.0044 U	--	0.0009 U	0.0007 U	--
<b>09/02</b>	--	0.0012 U	0.0096 U	--	0.001 U	0.0003 U	--
<b>06/03</b>	--	0.0012 U	0.0096 U	--	0.001 U	0.0003 U	--
<b>10/03</b>	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>03/04</b>	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.0021	--
<b>04/06</b>	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	0.017
<b>10/07</b>	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	0.0176
<b>03/08</b>	--	0.0009 U	0.0008 U	--	0.0006 U	0.0006 U	0.01 U
<b>09/08</b>	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
<b>03/09</b>	--	0.0009 U	0.0008 U	--	0.0006 U	0.0006 U	0.01 U
<b>09/09</b>	5.91	0.002 U	0.002 U	22.6	0.002 U	0.002 U	0.01 U
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.015	0.043
<b>09/10</b>	4.43	0.005 U	0.005 U	17.8	0.005 U	0.005 U	0.00533
<b>04/11</b>	13.7 J	0.005 U	0.005 U	111 J	0.005 U	0.005 U	0.00773
<b>09/11</b>	3.99	0.005 U	0.005 U	11	0.005 U	0.005 U	0.00643
<b>03/12</b>	3.76	0.005 U	0.005 U	15.64	0.005 U	0.005 U	0.00627
<b>09/12</b>	5.69	0.005 U	0.005 U	34.5	0.005 U	0.005 U	0.0086
<b>03/13</b>	3.33	0.005 U	0.005 U	14.8	0.005 U	0.005 U	0.005 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

	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		0.05			0.002		
<b>09/13</b>	3.25	0.005 U	0.005 U	10.2	0.005 U	0.005 U	0.00616
<b>03/14</b>	3.48	0.005 U	0.005 U	10	0.005 U	0.005 U	0.0162
<b>09/14</b>	3.27	0.005 U	0.005 U	10.3	0.005 U	0.005 U	0.00818
<b>03/15</b>	4.1	0.035 U	0.01 U	13	0.002 U	0.01 U	0.01 U
<b>08/15</b>	5	0.005 U	0.001 U	15	0.001 U	0.005 U	0.005 U
<b>03/16</b>	3.41	0.002 U	0.002 U	15.6	0.001 U	0.002 U	0.002 U
<b>08/16</b>	4.53	0.005 U	0.005 U	15.7	0.005 U	0.005 U	0.00587
<b>03/17</b>	3.33	0.005 U	0.005 U	10.4	0.005 U	0.005 U	0.00539
<b>09/17</b>	3	0.005 U	0.005 U	9.39	0.005 U	0.005 U	0.0266
<b>03/18</b>	2.82	0.005 U	0.005 U	8.5	0.005 U	0.005 U	0.0307
<b>09/18</b>	4.11	0.005 U	0.005 U	13.4	0.005 U	0.005 U	0.005 U
<b>04/19</b>	6.3	0.001 U	0.001 U	25.9	0.001 U	0.001 U	0.0209
<b>08/19</b>	6.89	0.001 U	0.001 U	27.6	0.001 U	0.001 U	0.004 U
<b>03/20</b>	6.34	0.001 U	0.001 U	22.9	0.001 U	0.001 U	0.00437
<b>08/20</b>	6.07	0.001 U	0.001 U	21.8	0.001 U	0.001 U	0.00456
<b>03/21</b>	5.94	0.001 U	0.001 U	23.1	0.001 U	0.001 U	0.00861 B
<b>08/21</b>	6.63	0.001 U	0.001 U	25.8	0.001 U	0.001 U	0.00608
<b>04/22</b>	5.85	0.001 U	0.001 U	20.9	0.001 U	0.001 U	0.004 U
<b>08/22</b>	6.77	0.00100 U	0.00100 U	24.9	0.00100 U	0.00294 J	0.00840 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	200			5	5	5	0.2	0.05	600	5	5	5	75					5		80	
04/01	--	--	--	--	--	--	--	--	10 U	--	--	10 U	--	--	--	--	--	--	--	--	--
09/01	0.18 U	1 U	0.23 U	0.22 U	0.19 U	1 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	1.48 U	1 U	0.21 U	0.14 U	0.2 U	1 U	0.17 U	1 U	1 U	0.42	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	0.19 U	0.17 U	1 U	1 U	5.33	0.18 U	--	1 U	--	1 U	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/05	1 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	1.13	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.38 J	1 U	1 U	1 U	0.61 J	1 U	1 U	1 U	1 U
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2,3-Trichloropropane (ug/L)	0.2 1,2-Dibromo-3-chloropropane (ug/L)	0.05 1,2-Dibromoethane (ug/L)	600 1,2-Dichlorobenzene (ug/L)	5 1,2-Dichloroethane (ug/L)	5 1,2-Dichloropropane (ug/L)	5 1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	5 Benzene (ug/L)	Bromochloromethane (ug/L)	80 Bromodichloromethane (ug/L)
09/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/15		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 U	5 U	5 U	5 U	14.5	5 U	1 U	1 U	1 U
08/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/19		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 U	5 U	5 U	5 U	7.4 B	5 U	1 U	1 U	1 U
08/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/20		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.046 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL	80			5	100		80		70		80	700	10000				5	10000	100	5	1000
<b>04/01</b>	--	--	--	--	--	--	--	--	--	--	--	--	0.06	--	--	--	--	--	--	0.13	--
<b>09/01</b>	0.14 U	1 U	1.92 U	1 U	1 U	1 U	0.23 U	1 U	0.22 U	0.19 U	0.17 U	1 U	1 U	--	--	0.22 U	1 U	0.27 U	1 U	1.35 U	1 U
<b>03/02</b>	0.14 U	1 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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U	0.24 U
<b>09/02</b>	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 U	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>06/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1.9	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.84 U	0.24 U
<b>10/03</b>	0.14 U	1 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	50.54	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	2.89 U	1 U
<b>03/04</b>	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	1 U	21.16	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>09/04</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	12.61	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>04/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	4.53	0.29 U	0.27 U	0.23 U	2 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>09/05</b>	0.27 U	0.31 U	2.5 U	0.25 U	1 U	0.31 U	0.27 U	1 U	6.06	0.29 U	0.27 U	1 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	1 U	1.67 U	1 U
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.79	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>09/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.41	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.14	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>10/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.19	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>03/08</b>	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	1.96	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U	0.28 U
<b>09/08</b>	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1.38	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.5 U	0.12 U
<b>03/09</b>	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1.15	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
<b>09/09</b>	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U	0.71 J	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.55 J	1 U
<b>07/10</b>	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	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 U	2 U	1 U	1 U	--	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	MCL	80		5	100		80		20		80	700	10000		20		5	10000	100	5	1000	
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
09/11		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 U	1 U	1 U	--	1 U	1 U	1 U	1 U
03/12		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 U	1 U	1 U	--	1 U	1 U	1 U	1 U
09/12		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/13		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/13		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/14		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/14		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/15		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/16		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/16		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/17		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/17		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/18		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/18		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	
<b>04/22</b>	80	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	70	1 U	80	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	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	80	100			5			2	10000
<b>04/01</b>	--	--	--	--	--	--	--	--	--
<b>09/01</b>	--	1 U	0.13 U	1 U	1 U	1.12	--	--	--
<b>03/02</b>	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
<b>09/02</b>	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
<b>06/03</b>	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
<b>10/03</b>	--	1 U	0.13 U	1 U	8.04	0.18 U	--	1.87	--
<b>03/04</b>	--	1 U	0.13 U	0.14 U	4.92	0.18 U	--	0.19	--
<b>09/04</b>	--	0.45 U	0.24 U	0.3 U	2.99	0.36 U	--	1 U	--
<b>04/05</b>	--	0.45 U	0.24 U	1 U	1.36	0.36 U	--	0.32 U	--
<b>09/05</b>	--	0.45 U	0.24 U	0.3 U	2.04	0.36 U	--	0.32 U	--
<b>04/06</b>	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
<b>09/06</b>	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
<b>04/07</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>10/07</b>	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
<b>03/08</b>	0.04	0.22 U	0.08 U	--	0.5 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.03	0.14 U	0.13 U	--	0.5 U	0.1 U	--	0.18 U	--
<b>03/09</b>	0.03	0.14 U	0.13 U	--	0.13 U	0.1 U	--	0.18 U	--
<b>09/09</b>	--	1 U	1 U	1 U	0.32 J	1 U	--	1 U	--
<b>07/10</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	MCL	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)
	80					5			2	10000
<b>09/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/14</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/14</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>08/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>08/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

	MCL	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)
	80					5			2	10000
<b>04/22</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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																				
04/01	--	--	--	93.6454	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98	--
09/01	--	--	--	83.8251	--	--	--	--	--	--	--	--	--	--	--	--	--	--	245	--
03/02	--	--	--	72.7596	--	--	--	--	--	--	--	--	--	--	--	--	--	--	66	--
09/02	--	--	--	71.0865	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.3	--
06/03	--	--	--	290.504	--	--	--	--	--	--	0.1704	--	--	--	--	--	0.019	--	463	--
10/03	--	--	--	--	--	--	--	--	--	--	0.09	--	--	--	--	--	0.01 U	--	--	--
03/04	--	--	--	--	--	--	--	--	--	--	0.1931	--	--	--	--	--	0.01 U	--	--	--
09/04	--	--	--	--	--	--	--	--	--	--	0.0344	--	--	--	--	--	0.01 U	--	--	--
04/05	--	--	--	--	--	--	--	--	--	--	0.1008	--	--	--	--	--	0.01 U	--	--	--
09/05	--	--	--	--	--	--	--	--	--	--	0.0179	--	--	--	--	--	0.053	--	--	--
04/06	--	--	--	--	--	--	--	--	--	--	0.085	--	--	--	--	--	0.049	--	--	--
09/06	--	--	--	--	--	--	--	--	--	--	0.022	--	--	--	--	--	0.084	--	--	--
04/07	--	--	--	--	--	--	--	--	--	--	0.12	--	--	--	--	--	0.02	--	--	--
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
09/09	317	6.47	19.1	194	--	700	0.2 U	--	--	--	--	--	--	33.5	--	780	--	--	39.4	--
09/10	270	4.35	12.1	176	--	360	0.2 U	--	--	--	--	--	--	26.9	--	704	--	--	13.3	--
04/11	340	7.91	35	239	--	580	0.2 U	--	--	--	--	--	--	58.4	--	980	--	--	13.6	--
09/11	226	5.09	22.5	193	--	375	0.2 U	--	--	--	--	--	--	31.5	--	888	--	--	--	--
03/12	266	6.15	31.1	245	--	420	0.2 U	--	--	--	--	--	--	41.8	--	952	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB03A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>09/12</b>	268	4.51	19.5	185	--	350	0.2 U	--	--	--	--	--	--	21.2	--	632	--	--	--	--
<b>03/13</b>	338	6.67	52.1	229	0.02	400	0.2 U	166	6.29	--	--	1.517	--	36	15.75	796	--	--	--	1.8
<b>09/13</b>	260	4.18	17.5	177	0.04	360	0.2 U	209	5.34	--	--	998.1	--	29.7	17.4	578	--	--	--	3.8
<b>03/14</b>	278	6.76	19	217	0.11	560	0.2 U	170	6.03	--	--	1220	--	59.7	17.08	724	--	--	--	2.86
<b>09/14</b>	257	4.96	21.1	213	0.97	190	0.2 U	142	6.16	--	--	1117	--	34.3	17.98	560	--	--	--	6.2
<b>03/15</b>	292	4.64	18.4	180	0	440	1.49	206	7.10	--	--	1021	--	92.4	16.23	706	--	--	--	10
<b>08/15</b>	286	3.65	24.4	182	--	540	0.559	116	6.18	--	--	1112	--	29.7	23.66	590	--	--	--	62.7
<b>03/16</b>	299	5.97	23.4	200	0	392	0.2 U	115	6.29	--	--	1152	--	72.3	16.15	321	--	--	--	14.2
<b>08/16</b>	293	3.95	18	186	--	384	0.2 U	147	6.19	--	--	1184	--	45.2	30.18	650	--	--	--	98.5
<b>03/17</b>	33	0.31	17.7	539	--	750	0.2 U	189	5.93	--	--	1008	--	11.5	16.45	454	--	--	--	7.3
<b>09/17</b>	270	2.7	12.1	178	0.34	450	0.2 U	186	5.98	--	--	1124	--	23.7	17.57	621	--	--	--	5
<b>03/18</b>	339	5.62	27.9	193	--	500	0.2 U	-1	6.25	--	--	1210	--	74.1	13.23	711	--	--	--	5.8
<b>09/18</b>	357	5.64	20.8	165	--	434	0.2 U	-29	6.30	--	--	1327	--	117	17.85	785	--	--	--	65.1
<b>04/19</b>	357	3.47	31	166	0.02	446	0.2 U	-32.9	6.34	6.50	--	1574	1240	121	16.5	794	--	8.8	31.5	8.1
<b>08/19</b>	307	3.75	14.9	195	0.09	387	0.2 U	-27.8	5.80	6.38	--	1.225	1220	67	17.6	698	--	5.7	20.6	71.13
<b>03/20</b>	435	2.41	16.8	109	3.9	511	2.31	0.5	6.78	6.60	--	1255	1310	114	15.7	795	--	11.1	39	14
<b>08/20</b>	260	2.3	29.1	171	0.56	444	0.12 J	17.4	6.31	6.19	--	1189	1340	58	17.4	708	--	26.2	119	92.1
<b>03/21</b>	637	1.01	15.7	68.1	0.07	582	1.13	28.9	6.81	6.87	--	1554	1450	93.8	17	856	--	10.9	29.2	60.5
<b>08/21</b>	342	2.6	36.2	226	0.62	452	0.011 U	24.3	6.08	6.07	--	1286	1340	25.2	19.2	747	--	11.7	22.1	16.9
<b>04/22</b>	488	3.44	12.9	105	1.14	547	0.011 U	-56.4	6.46	6.58	--	1139	1351	92.5	11.3	783	--	421	84.5	21.15
<b>08/22</b>	367	2.52	29.4	193	0.60	457	0.036	7.2	6.01	6.26	--	1204.0	1287	41.5	18.2	712	--	52.9	132	52.60

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0092	0.002 U	0.6058	0.0005 U	--	0.0006 U	--	0.017	0.0386	0.01 U	--	0.0013 U	--	12.15	0.0001 U	0.0106
09/01	0.0027	0.0073	0.5934	0.0017 U	--	0.0046	--	0.005	0.079	0.0135	--	0.0059	--	15.84	0.0001 U	0.0281
03/02	0.0005 U	0.0035	0.4795	0.0017 U	--	0.002 U	--	0.0012 U	0.0827	0.0099	--	0.002 U	--	16.8	0.0001 U	0.0283
09/02	0.0007 U	0.0042	0.4366	0.0004 U	--	0.002 U	--	0.002 U	0.0673	0.009	--	0.002 U	--	18.79	0.0001 U	0.019
06/03	0.0007 U	0.0046	0.6983	0.0004 U	--	0.0004 U	--	0.002 U	0.0834	0.0186	--	0.002 U	--	3.107	0.0002 U	0.0173
10/03	0.0009 U	0.0047	0.8541	0.0016 U	--	0.0007 U	--	0.002 U	0.0665	0.0142	--	0.002 U	--	5.824	0.0002 U	0.0198
03/04	0.0009 U	0.004	0.6897	0.0016 U	--	0.0007 U	--	0.002 U	0.0744	0.01 U	--	0.002 U	--	2.812	0.0002 U	0.0167
09/04	0.0028 U	0.0027	0.6416	0.0012 U	--	0.002 U	--	0.002 U	0.0612	0.01 U	--	0.002 U	--	17.89	0.0001 U	0.0163
04/05	0.0028 U	0.0036	0.4988	0.0012 U	--	0.002 U	--	0.002 U	0.082	0.01 U	--	0.002 U	--	2.9275	0.0001 U	0.0121
09/05	0.0028 U	0.0034	0.57	0.0012 U	--	0.0031	--	0.002 U	0.0654	0.0141	--	0.002 U	--	17.88	0.0001 U	0.0178
04/06	0.0006 U	0.0021	0.4668	0.0007 U	--	0.0022	--	0.002 U	0.0584	0.0089	--	0.0026	--	14.2709	0.0001 U	0.0132
09/06	0.0007 U	0.0033	0.6407	0.0009 U	--	0.0006 U	--	0.0007 U	0.0658	0.0054	--	0.0007 U	--	15.08	0.0002 U	0.0164
04/07	0.0007 U	0.0046	0.9942	0.0009 U	0.4275	--	--	0.0007 U	0.084	0.0101	--	0.0007 U	--	--	0.0002 U	0.0219
10/07	0.002 U	0.008	0.658	0.002 U	0.0427	--	--	0.002 U	0.0608	0.0079	--	0.002 U	--	--	0.0002 U	0.0166
03/08	0.0005 U	0.0032	0.5139	0.001 U	0.0333	--	--	0.002 U	0.0609	0.0056	--	0.001 U	--	--	0.0002 U	0.0164
09/08	0.001 U	0.0106	0.5699	0.002 U	0.074	--	--	0.0016 U	0.0617	0.0083	--	0.004 U	--	--	0.0002 U	0.0166
03/09	0.001 U	0.01 U	0.593	0.0012 U	0.1113	--	--	0.01 U	0.063	0.01 U	--	0.0007 U	--	--	0.0002 U	0.016
09/09	0.002 U	0.0036	0.568	0.002 U	--	0.002 U	69.4	0.002 U	0.0698	0.0064	39.4	0.002 U	44.4	13.3	0.0002 U	0.02
07/10	0.001 U	0.0048	0.56	0.001 U	--	0.001 U	--	0.001 U	0.069	0.001 U	--	0.001 U	--	--	0.0002 U	0.02
09/10	0.005 U	0.005 U	0.581	0.005 U	--	0.005 U	66	0.005 U	0.0684	0.008	31	0.005 U	41.6	16.4	0.0002 U	0.0194
04/11	0.005 U	0.005 U	0.0796	0.005 U	--	0.005 U	24.8	0.005 U	0.005 U	0.0108	2.71	0.005 U	15.8	0.982	0.0002 U	0.005 U
09/11	0.005 U	0.005 U	0.529	0.005 U	--	0.005 U	68.5	0.005 U	0.0563	0.005 U	29.71	0.005 U	48.7	14.2	0.0002 U	--
03/12	0.005 U	0.005 U	0.51	0.005 U	--	0.005 U	76	0.005 U	0.057	0.00958	29.85	0.005 U	52.7	13.7	0.0002 U	0.0177
09/12	0.005 U	0.005 U	0.495	0.005 U	--	0.005 U	62.3	0.005 U	0.0672	0.005 U	26.5	0.005 U	39.3	15.4	0.0002 U	0.0216
03/13	0.005 U	0.005 U	0.435	0.005 U	--	0.005 U	70.9	0.005 U	0.0441	0.011	29.6	0.005 U	51.4	11.2	0.0002 U	0.0145

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.005 U	0.543	0.005 U	--	0.005 U	67.2	0.005 U	0.0561	0.005 U	25.6	0.005 U	43	16	0.0002 U	0.0189
<b>03/14</b>	0.005 U	0.005 U	0.376	0.005 U	--	0.005 U	62.8	0.005 U	0.047	0.005 U	20.7	0.005 U	44.4	8.71	0.0002 U	0.0162
<b>09/14</b>	0.005 U	0.005 U	0.419	0.005 U	--	0.005 U	58.6	0.005 U	0.0496	0.005 U	20.6	0.005 U	37.6	15	0.0002 U	0.015
<b>03/15</b>	0.002 U	0.0035	0.25	0.002 U	--	0.004 U	78	0.01 U	0.034	0.0013 J	13	0.002 U	46	6.6	0.0002 U	0.011 U
<b>08/15</b>	0.001 U	0.0026	0.32	0.0011	--	0.0005 U	80	0.005 U	0.044	0.005 U	23	0.001 U	44	14	0.0002 U	0.01 U
<b>03/16</b>	0.005 U	0.005 U	0.235	0.005 U	--	0.005 U	76.5	0.005 U	0.0331	0.005 U	21.4	0.005 U	58.4	6.37	0.0002 U	0.0107
<b>08/16</b>	0.002 U	0.00648	0.306	0.002 U	--	0.002 U	70.1	0.002 U	0.0402	0.00266	35.6	0.002 U	43.6	12.3	0.0002 U	0.011
<b>03/17</b>	0.005 U	0.00545	0.384	0.005 U	--	0.005 U	72.9	0.005 U	0.0561	0.0125	28	0.005 U	44.1	16.6	0.0002 U	0.0175
<b>09/17</b>	0.002 U	0.00411	0.385	0.002 U	--	0.002 U	73.3	0.00493	0.0498	0.002 U	25.7	0.002 U	44.7	16.9	0.0002 U	0.0129
<b>03/18</b>	0.005 U	0.00546	0.22	0.005 U	--	0.005 U	82	0.005 U	0.0295	0.005 U	23.3	0.005 U	54.3	7.52	0.0002 U	0.0117
<b>09/18</b>	0.005 U	0.0058	0.164	0.005 U	--	0.005 U	82.1	0.005 U	0.0261	0.005 U	20.8	0.005 U	55.6	4.44	0.0002 U	0.00955
<b>04/19</b>	0.001 U	0.00325	0.181	0.001 U	--	0.001 U	81.2	0.001 U	0.0269	0.001 U	18.1	0.001 U	59.1	8.65	0.0001 U	0.00913
<b>08/19</b>	0.001 U	0.00336	0.274	0.001 U	--	0.001 U	70.4	0.00127	0.0392	0.001 U	22.1	0.001 U	51.2	14.1	0.0001 U	0.0118
<b>03/20</b>	0.001 U	0.00228	0.145	0.001 U	--	0.001 U	98.7	0.00122	0.0202	0.00123	10.5	0.001 U	64.2	6.08	0.0001 U	0.00658
<b>08/20</b>	0.001 U	0.00414	0.263	0.001 U	--	0.001 U	86.2	0.00317	0.0331	0.00115	19.7	0.001 U	55.6	13.8	0.0001 U	0.0101
<b>03/21</b>	0.001 U	0.0013	0.0884	0.001 U	--	0.001 U	114	0.001 U	0.00579	0.00103 B	3	0.001 U	72	0.84	0.0001 U	0.00306
<b>08/21</b>	0.001 U	0.00278	0.345	0.001 U	--	0.001 U	85.5	0.00237	0.0454	0.00345	22.7	0.001 U	58	21	0.0001 U	0.0129
<b>04/22</b>	0.001 U	0.00539	0.149	0.001 U	--	0.001 U	109	0.00159 J	0.0183	0.00126 J	16.4	0.001 U	67.5	3.68	0.0001 U	0.00697 J
<b>08/22</b>	0.00100 U	0.00849	0.296	0.00100 U	--	0.00100 U	89.9	0.00100 U	0.0376	0.00100 U	30.4	0.00100 U	56.4	15.6	0.000100 U	0.0108 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

	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	0.05				0.002		
04/01	--	0.0018 U	0.0052 U	--	0.002 U	0.0006 U	--
09/01	--	0.002 U	0.0044 U	--	0.0021	0.0039	--
03/02	--	0.0009 U	0.0044 U	--	0.0043	0.0007 U	--
09/02	--	0.002	0.0096 U	--	0.0019	0.002 U	--
06/03	--	0.004	0.0096 U	--	0.001 U	0.002 U	--
10/03	--	0.0021	0.0022 U	--	0.001 U	0.0051	--
03/04	--	0.002 U	0.0022 U	--	0.0004 U	0.0033	--
09/04	--	0.002 U	0.0018 U	--	0.0013	0.002 U	--
04/05	--	0.0029	0.0018 U	--	0.001 U	0.0021	--
09/05	--	0.002 U	0.0018 U	--	0.0012	0.0022	--
04/06	--	0.0015 U	0.0004 U	--	0.0004 U	0.002 U	--
09/06	--	0.0008 U	0.0005 U	--	0.002 U	0.0007 U	--
04/07	--	0.003	0.0005 U	--	0.0007 U	0.0007 U	0.0064
10/07	--	0.002 U	0.0005 U	--	0.002 U	0.0113	0.017
03/08	--	0.002 U	0.0008 U	--	0.001	0.0021	0.0134
09/08	--	0.0018 U	0.0016 U	--	0.0012 U	0.004 U	0.0272
03/09	--	0.01 U	0.0043 U	--	0.005 U	0.0008 U	0.0182
09/09	12.4	0.0024	0.002 U	70.3	0.002 U	0.0004 J	0.011
07/10	--	0.001 U	0.001 U	--	0.0011	0.005 U	0.023
09/10	9.18	0.005 U	0.005 U	58.5	0.005 U	0.005 U	0.0131
04/11	4.68	0.005 U	0.005 U	14.4	0.005 U	0.005 U	0.0147
09/11	9.64	0.005 U	0.005 U	70.5	0.005 U	0.005 U	0.0089
03/12	13.1	0.00586	0.005 U	91	0.005 U	0.005 U	0.0142
09/12	9.64	0.005 U	0.005 U	52.2	0.005 U	0.005 U	0.00986
03/13	16.6	0.005 U	0.005 U	97.8	0.005 U	0.005 U	0.00638

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

	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	0.05	0.002					
<b>09/13</b>	8.17	0.005 U	0.005 U	55.7	0.005 U	0.005 U	0.0117
<b>03/14</b>	15	0.005 U	0.005 U	83.7	0.005 U	0.005 U	0.00736
<b>09/14</b>	10	0.005 U	0.005 U	60.1	0.005 U	0.005 U	0.0129
<b>03/15</b>	15	0.035 U	0.01 U	96	0.0019 J	0.01 U	0.0053 J
<b>08/15</b>	11	0.005 U	0.001 U	61	0.001 U	0.005 U	0.012
<b>03/16</b>	12.1	0.005 U	0.005 U	109	0.005 U	0.005 U	0.00636
<b>08/16</b>	10.7	0.00241	0.002 U	63.1	0.001 U	0.002 U	0.00638
<b>03/17</b>	8.34	0.005 U	0.005 U	53.4	0.005 U	0.005 U	0.0114
<b>09/17</b>	7.07	0.00241	0.002 U	49.3	0.001 U	0.002 U	0.00715
<b>03/18</b>	12.8	0.005 U	0.005 U	92.1	0.005 U	0.005 U	0.0273
<b>09/18</b>	15.9	0.005 U	0.005 U	95.3	0.005 U	0.005 U	0.005 U
<b>04/19</b>	13.5	0.001 U	0.00268	76.8 B	0.001 U	0.001 U	0.004 U
<b>08/19</b>	10.3	0.001 U	0.001 U	73.3	0.001 U	0.001 U	0.005 B
<b>03/20</b>	16.9	0.001 U	0.001 U	71	0.001 U	0.001 U	0.004 U
<b>08/20</b>	12.4	0.001 U	0.001 U	64.1	0.001 U	0.00146	0.00441
<b>03/21</b>	18.5	0.001 U	0.001 U	53.8	0.001 U	0.001 U	0.004 U
<b>08/21</b>	8.87	0.001 U	0.001 U	61.4	0.001 U	0.001 U	0.0119
<b>04/22</b>	14.2	0.001 U	0.001 U	78.8	0.001 U	0.001 U	0.004 U
<b>08/22</b>	10.4	0.00100 U	0.00100 U	65.8	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

MCL	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)	1,2-Dichloroethane (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.2	600	5	5	75									
04/01	0.18 U	0.15 U	0.23 U	0.22 U	37.69 U	1 U	0.21 U	1 U	0.2 U	10 U	2.11	7.53	10 U	--	0.18 U	--	0.15 U	--	5.26	0.2 U	0.18 U
09/01	0.18 U	0.15 U	0.23 U	4.2 U	53.49 U	1 U	0.21 U	0.14 U	0.2 U	10 U	2.93	10.02	10 U	--	0.18 U	--	1 U	--	9.53	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	4.38 U	74.57 U	1.22 U	0.21 U	0.14 U	0.2 U	10 U	4.55	16.5	10 U	--	0.18 U	--	0.15 U	--	11.29	0.2 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	93.16 U	1.11 U	0.21 U	0.14 U	0.2 U	10 U	4.87	15.18	10 U	--	0.18 U	--	0.15 U	--	8.07	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	1.67 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	0.15 U	--	5.51	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	4.44 U	0.15 U	0.21 U	0.14 U	0.2 U	0.19 U	1 U	1.27	11	0.61	0.18 U	--	0.15 U	--	5.3	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	2.25 U	0.15 U	0.21 U	1 U	0.2 U	10 U	1 U	1 U	10 U	4.2	0.18 U	--	0.15 U	--	6.76	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	38.51 U	1 U	0.4 U	0.33 U	0.28 U	2	2.77	12.68	14.11	0.29 U	0.19 U	--	0.39 U	--	6.31	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	2.73 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	4.44	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	42.13 U	1 U	0.4 U	0.33 U	0.28 U	10 U	3.3	12.09	10 U	1 U	0.19 U	--	0.39 U	--	4.66	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	18.85 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1.82	7.02	10 U	1 U	0.19 U	--	0.39 U	--	2.73	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	23.61 U	1 U	0.4 U	0.33 U	0.28 U	10 U	3.59	12.72	10 U	0.29 U	0.19 U	--	0.39 U	--	5.18	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	15.56 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1.33	4.05	11.36	0.29 U	0.19 U	--	0.39 U	--	3.8	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	44.14 U	1 U	0.4 U	0.33 U	0.28 U	10 U	5.52	14.78	10.73	1 U	0.19 U	--	0.39 U	--	6.23	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	50.9 U	0.61 U	0.14 U	0.24 U	0.16 U	2	5.07	14.83	10 U	--	--	--	--	--	4.47	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	41.01 U	0.5 U	0.17 U	0.2 U	0.08 U	1.65	4.4	13.07	10 U	--	--	--	--	--	5.44	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	46.99 U	0.66 U	0.17 U	0.2 U	0.08 U	10 U	4.1	13.54	10 U	--	--	--	--	--	4.08	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	25.3 U	0.53 J	1 U	1 U	1 U	1.29	1 U	9.1	12.6	1 U	1 U	1 U	0.46 J	1 U	4.19	1 U	1 U
07/10	1 U	1 U	1 U	1 U	38 U	1 U	1 U	10 U	1 U	1	3	10	12	10 U	5 U	5 U	5 U	10 U	5	1 U	1 U
09/10	2 U	2 U	2 U	2 U	32.4 U	0.57 J	2 U	2 U	2 U	0.81 J	3.3	10.8	9.28	2 U	2 U	2 U	2 U	2 U	4.06	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
		200		5	5	5	5	0.2	0.05	600	5	5	5	75	2	2	4			5		80
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.7	8.1	1 U	5 U	5 U	5 U	5 U	5 U	4.7	1 U	1 U	
03/12	1 U	1 U	1 U	1 U	11	1 U	1 U	1 U	1 U	1 U	1 U	2.9	6.3	5 U	5 U	5 U	5 U	5 U	1.3	1 U	1 U	
09/12	1 U	1 U	1 U	1 U	30.5	1 U	1 U	1 U	1 U	1 U	1 U	10.5	14.1	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
03/13	1 U	1 U	1 U	1 U	12.5	1 U	1 U	1 U	1 U	1 U	1.47	3.67	5.64	5 U	5 U	5 U	5 U	5 U	1.51	1 U	1 U	
09/13	1 U	1 U	1 U	1 U	32.5	1 U	1 U	1 U	1 U	1 U	2.76	12.8	16	5 U	5 U	5 U	5 U	5 U	4.53	1 U	1 U	
03/14	1 U	1 U	1 U	1 U	7.46	1 U	1 U	1 U	1 U	--	1 U	2.25	3.82	5 U	5 U	5 U	5 U	5 U	1 U	--	1 U	
09/14	1 U	1 U	1 U	1 U	21.2	1 U	1 U	1 U	1 U	1 U	2.66	6.24	9.01	5 U	5 U	5 U	5 U	5 U	3.33	1 U	1 U	
03/15	1 U	1 U	1 U	1 U	3.77	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.09	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
08/15	1 U	1 U	1 U	1 U	19.5	1 U	1 U	1 U	1 U	1 U	2.37	5.64	8.08	5 U	5 U	5 U	5 U	5 U	2.32	1 U	1 U	
03/16	1 U	1 U	1 U	1 U	7.19	1 U	1 U	1 U	1 U	1 U	1 U	2	4.08	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
08/16	1 U	1 U	1 U	1 U	17.2	1 U	1 U	1 U	1 U	1 U	2.1	4.64	5.43	5 U	5 U	5 U	5 U	5 U	1.44	1 U	1 U	
03/17	1 U	1 U	1 U	1 U	26.7	1 U	1 U	1 U	1 U	1.87	3.42	7.79	18.1	5 U	5 U	5 U	5 U	5 U	2.63	1 U	1 U	
09/17	1 U	1 U	1 U	1 U	22.7	1 U	1 U	1 U	1 U	1.66	3.04	6.66	16.9	5 U	5 U	5 U	5 U	5 U	2.11	1 U	1 U	
03/18	1 U	1 U	1 U	1 U	6.99	1 U	1 U	1 U	1 U	1 U	1.15	1.96	4.97	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
09/18	1 U	1 U	1 U	1 U	1.46	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.44	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
04/19	1 U	1 U	1 U	1 U	4.7	1 U	1 U	1 U	1 U	1 U	1 U	1.3	2.9	5 U	5 U	5 U	7.8	5 U	1 U	1 U	1 U	
08/19	1 U	1 U	1 U	1 U	12	1 U	1 U	1 U	1 U	1 U	1.8	3.2	8.2	5 U	5 U	5 U	5 U	5 U	1.7	1 U	1 U	
03/20	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
08/20	1 U	1 U	1 U	1 U	11.7	1 U	1 U	0.047 U	0.019 U	1 U	1.6	2.8	9.5	5 U	5 U	5 U	5 U	5 U	1.2	1 U	1 U	
03/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
08/21	1 U	1 U	1 U	1 U	13.4	1 U	1 U	0.047 U	0.019 U	1.1	1.7	3.3	14.3	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	12.2	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.7	2.8	10.6	5.0 U	5.0 U	5.0 U	7.6 B	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
80	80	100	5	100	80	80	70	80	700	10000	80	700	10000	80	5	10000	10000	100	5	1000	
04/01	0.14 U	0.15 U	0.38 U	0.15 U	1.32	1.93	0.23 U	0.21 U	56.08	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U	1 U
09/01	0.14 U	0.15 U	0.38 U	0.15 U	2.03	3.07	0.23 U	0.21 U	70.88	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	7.3	0.27 U	0.21 U	71.56	0.24 U
03/02	0.14 U	0.15 U	0.38 U	0.15 U	1.29	2.92	0.23 U	0.21 U	137.87	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	1 U	0.21 U	102.1	1 U
09/02	0.14 U	0.15 U	0.38 U	0.15 U	1 U	2.45	0.23 U	1 U	130.79	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	1 U	0.27 U	0.21 U	74.03	1 U
06/03	0.14 U	0.15 U	0.38 U	0.15 U	10.5	1 U	0.23 U	0.21 U	2.57	0.19 U	0.17 U	0.26 U	1.4	0.17 U	--	0.22 U	0.21 U	1 U	0.21 U	1.65	1.62
10/03	0.14 U	0.15 U	0.38 U	0.15 U	18.41	1.62	0.23 U	0.21 U	2.63	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	1 U
03/04	0.14 U	1 U	1 U	0.15 U	10.75	1.01	0.23 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U	1 U
09/04	0.27 U	0.31 U	0.75 U	0.25 U	4.71	1.26	0.27 U	0.25 U	79.29	0.29 U	0.27 U	0.23 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	41.02	1 U
04/05	0.27 U	0.31 U	0.75 U	0.25 U	19.21	1.02	0.27 U	0.25 U	3.01	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
09/05	0.27 U	0.31 U	0.75 U	0.25 U	3.6	1.41	0.27 U	0.25 U	102.56	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	30.99	1 U
04/06	0.27 U	0.31 U	0.75 U	0.25 U	10.33	1 U	0.27 U	0.25 U	41.96	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	1 U
09/06	0.27 U	1 U	0.75 U	0.25 U	5.24	1.53	0.27 U	0.25 U	117.86	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	29.4	1 U
04/07	0.27 U	1 U	0.75 U	0.25 U	13.9	1.42	0.27 U	0.25 U	29.76	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.31 U	0.75 U	0.25 U	2.8	1.63	0.27 U	1 U	150.17	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	33.23	1 U
03/08	0.12 U	0.5 U	--	0.13 U	1.98	1.43	0.21 U	0.5 U	168.82	0.13 U	0.15 U	0.26 U	0.53	--	1.73 U	0.15 U	0.12 U	0.5 U	0.2 U	1.66	1.05
09/08	0.16 U	0.5 U	--	0.14 U	2.87	1.38	0.12 U	0.2 U	141.19	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	0.5 U	0.5 U	0.11 U	26.21	0.5 U
03/09	0.16 U	0.5 U	--	0.14 U	3.73	1.69	0.12 U	0.5 U	137.52	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	0.17 U	0.5 U	0.11 U	3.67	0.5 U
09/09	1 U	1 U	2.5 U	1 U	5.52	1.21	1 U	1 U	84.9	1 U	1 U	1 U	2 U	1 U	1.39	1 U	1 U	1 U	1 U	7.11	1 U
07/10	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	110	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	15	1 U
09/10	2 U	2 U	5 U	2 U	2.78	1.31	2 U	1.54	98.1	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	17.8	2 U
04/11	1 U	1 U	1.2	1 U	1 U	1 U	1 U	4.1	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

	MCL	80		5	100		80		70		80	700	10000			5	10000	100	5	1000		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
09/11	1U	1U	1U	1U	3.3	1U	1U	1.5	1U	1U	1U	1U	--	1U	2U	1U	1U	--	1U	1U	1U	1U
03/12	1U	1U	1U	1U	3.4	1U	1U	1U	33	1U	1U	1U	--	1U	1U	1U	1U	--	1U	1U	1U	1U
09/12	1U	1U	5U	1U	1U	1U	1U	1U	94.6	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
03/13	1U	1U	5U	1U	2.46	1U	1U	1U	34.1	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
09/13	1U	1U	5U	1U	2.78	1.43	1U	1U	94.8	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
03/14	1U	1U	5U	1U	1.83	1U	1U	1U	22.9	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
09/14	1U	1U	5U	1U	2.1	1U	1U	1U	56.2	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1.18	1U
03/15	1U	1U	5U	1U	1U	1U	1U	1U	11.2	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
08/15	1U	1U	5U	1U	1.62	1U	1U	1U	53.2	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
03/16	1U	1U	5U	1U	1.41	1U	1U	1U	21	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
08/16	1U	1U	5U	1U	1U	1U	1U	1U	49.9	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
03/17	1U	1U	5U	1U	2.16	1.64	1U	1U	86.6	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
09/17	1U	1U	5U	1U	2.02	1.38	1U	1U	69	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
03/18	1U	1U	5U	1U	1U	1U	1U	1U	22.3	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
09/18	1U	1U	5U	1U	1U	1U	1U	1U	4.23	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U	1U
04/19	1U	1U	1U	1U	1.5	1U	1U	1U	15.9	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
08/19	1U	1U	1U	1U	2.2	1U	1U	1U	36.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
03/20	1U	1U	1U	1U	1.2	1U	1U	1U	6.6	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
08/20	1U	1U	1U	1U	2.1	1U	1U	1U	35.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
03/21	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
08/21	1U	1U	1U	1U	2.4	1.7	1U	1U	38.3	1U	1U	1U	1U	1U	1.4	1U	1U	1U	1U	1U	1U	1U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	
<b>04/22</b>	80	1 U	1 U	1 U	5	1.5	1 U	1 U	1 U	2.3	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 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	5	1.9	1.0 U	1.0 U	1.0 U	30.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	2	10000
<b>04/01</b>	--	4.5	0.13 U	1 U		87.28	0.18 U	--	--	--
<b>09/01</b>	--	5.32	0.13 U	0.14 U		78.18	4.57	--	--	--
<b>03/02</b>	--	8.78	0.13 U	0.14 U		113.5	8.19	--	--	--
<b>09/02</b>	--	8.22	0.13 U	0.14 U		111.71	7.16	--	--	--
<b>06/03</b>	--	1 U	0.13 U	0.14 U		1.26	0.18 U	--	--	--
<b>10/03</b>	--	1.99	0.13 U	0.14 U		1.75	1 U	--	2.2	--
<b>03/04</b>	--	1.39	0.13 U	0.14 U		1 U	0.18 U	--	1.78	--
<b>09/04</b>	--	5.71	0.24 U	0.3 U		84.92	3.01	--	18.6	--
<b>04/05</b>	--	1.22	0.24 U	0.3 U		4.89	0.36 U	--	1.47	--
<b>09/05</b>	--	6.22	0.24 U	0.3 U		85.13	0.36 U	--	19.56	--
<b>04/06</b>	--	3.1	0.24 U	0.3 U		51.33	0.36 U	--	4.62	--
<b>09/06</b>	--	9.08	0.24 U	0.3 U		95.18	3.77	--	26.98	--
<b>04/07</b>	--	3.72	0.24 U	0.3 U		20.26	0.36 U	--	5.96	--
<b>10/07</b>	--	10.82	0.24 U	0.3 U		97.78	0.36 U	--	30.58	--
<b>03/08</b>	0.04	9.93	0.08 U	--		141.41	0.07 U	--	23.11	--
<b>09/08</b>	0.04	11.68	0.13 U	--		101.3	0.1 U	--	22.43	--
<b>03/09</b>	0.03	9.08	0.13 U	--		113.09	0.1 U	--	27.36	--
<b>09/09</b>	--	6.06	1 U	1 U		66.7	3.08	--	22.9	--
<b>07/10</b>	--	6	1 U	5 U		70	1 U	1 U	18	--
<b>09/10</b>	--	5.93	2 U	2 U		19.3	2.47	2 U	23.5	--
<b>04/11</b>	--	1 U	1 U	5 U		1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

	MCL	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)
	80	100				5			2	10000
<b>09/11</b>	--	9	1 U	5 U	56	6.5	1 U	31	1 U	1 U
<b>03/12</b>	--	2.3	1 U	5 U	18	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	--	6.13	1 U	5 U	64.8	1 U	5 U	15.8	1 U	1 U
<b>03/13</b>	--	2.69	1 U	5 U	18	1 U	5 U	7.33	1 U	1 U
<b>09/13</b>	--	5.83	1 U	5 U	64	1 U	5 U	12.5	1 U	1 U
<b>03/14</b>	--	1.46	1 U	5 U	4.7	1 U	5 U	4.26	1 U	1 U
<b>09/14</b>	--	4.06	1 U	5 U	27.2	1 U	5 U	11.7	1 U	1 U
<b>03/15</b>	--	1 U	1 U	5 U	1.87	1 U	5 U	2.07	1 U	1 U
<b>08/15</b>	--	3.83	1 U	5 U	20.7	1 U	5 U	8.16	1 U	1 U
<b>03/16</b>	--	1.46	1 U	5 U	3.36	1 U	5 U	3.62	1 U	1 U
<b>08/16</b>	--	3.01	1 U	5 U	7.06	1.33	5 U	7.12	1 U	1 U
<b>03/17</b>	--	5.89	1 U	5 U	5.01	1.93	5 U	11.2	1 U	1 U
<b>09/17</b>	--	4.97	1 U	5 U	3.58	1 U	5 U	8.5	1 U	1 U
<b>03/18</b>	--	1.5	1 U	5 U	1 U	1 U	5 U	3.15	1 U	1 U
<b>09/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1.09	1 U	1 U
<b>04/19</b>	--	1.1	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1 U
<b>08/19</b>	--	2.9	1 U	1 U	2.6	1 U	1 U	6.9	1 U	1 U
<b>03/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U
<b>08/20</b>	--	2.8	1 U	1 U	1.5	1 U	1 U	6.4	1 U	1 U
<b>03/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>	--	3	1 U	1 U	1.8	1 U	1 U	6.8	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

	MCL	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)
	80	100				5			2	10000
<b>04/22</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	--	2.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.9	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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																				
<b>04/01</b>	--	--	--	66.5626	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.2	--
<b>09/01</b>	--	--	--	89.5385	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50.5	--
<b>03/02</b>	--	--	--	74.946	--	--	--	--	--	--	--	--	--	--	--	--	--	--	136	--
<b>06/03</b>	--	--	--	174.227	--	--	--	--	--	--	0.0495	--	--	--	--	--	0.031	--	248	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.085	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0293	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.062	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.0132	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0595	--	--	--	--	--	0.071	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.046	--	--	--	--	--	0.14	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.065	--	--	--	--	--	0.096	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.05	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	265	2.39	13.6	134	--	690	0.2 U	--	--	--	--	--	--	8.84	--	564	--	--	11	--
<b>09/10</b>	242	2.9	10.1	155	--	400	0.2 U	--	--	--	--	--	--	16.7	--	676	--	--	22.9	--
<b>04/11</b>	267	4.97	28.8	220	--	3600	0.2 U	--	--	--	--	--	--	41.4	--	784	--	--	2.81	--
<b>09/11</b>	216	2.56	16.8	163	--	410	0.2 U	--	--	--	--	--	--	22	--	804	--	--	--	--
<b>03/12</b>	187	3.48	24.3	222	--	400	0.2 U	--	--	--	--	--	--	28.5	--	888	--	--	--	--
<b>09/12</b>	241	2.43	18	169	--	360	0.2 U	--	--	--	--	--	--	13.1	--	604	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances





**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0007 U	0.002 U	0.3766	0.0005 U	--	0.0006 U	--	0.0116	0.0444	0.01 U	--	0.0013 U	--	12.29	0.0001 U	0.0099
09/01	0.0032	0.0054	0.8745	0.0017 U	--	0.002 U	--	0.002 U	0.0543	0.0108	--	0.002 U	--	16.25	0.0001 U	0.0133
03/02	0.002 U	0.004	0.5552	0.0017 U	--	0.002 U	--	0.0048	0.0545	0.0106	--	0.0021	--	15.48	0.0001 U	0.0151
06/03	0.002 U	0.0087	1.298	0.0004 U	--	0.002 U	--	0.002 U	0.0592	0.012	--	0.0041	--	15.97	0.0002 U	0.0166
10/03	0.0009 U	0.0027	1.391	0.0016 U	--	0.002 U	--	0.002	0.0318	0.0161	--	0.0029	--	9.801	0.0002 U	0.0114
03/04	0.0009 U	0.0085	1.353	0.0016 U	--	0.0007 U	--	0.0024	0.0755	0.01 U	--	0.0036	--	18.17	0.0002 U	0.0183
09/04	0.0028 U	0.0085	1.896	0.0012 U	--	0.002 U	--	0.0045	0.0614	0.0132	--	0.002	--	19.31	0.0001 U	0.018
04/05	0.0028 U	0.0232	1.69	0.0012 U	--	0.002 U	--	0.0044	0.0711	0.0145	--	0.003	--	20.5775	0.0001 U	0.0194
09/05	0.0028 U	0.0079	1.349	0.0012 U	--	0.002 U	--	0.0031	0.0655	0.0153	--	0.0027	--	19.79	0.0003	0.0172
04/06	0.0006 U	0.0066	1.101	0.0007 U	--	0.002 U	--	0.002 U	0.0593	0.0093	--	0.0031	--	20.7743	0.0001 U	0.0171
09/06	0.0007 U	0.0023	0.6512	0.0009 U	--	0.002 U	--	0.0295	0.0555	0.0499	--	0.02	--	16.74	0.0002 U	0.0408
04/07	0.0007 U	0.0023	0.7963	0.0009 U	0.0804	--	--	0.002 U	0.0674	0.0064	--	0.0007 U	--	--	0.0002 U	0.019
10/07	0.002 U	0.0046	0.9091	0.0009 U	0.0529	--	--	0.002 U	0.0581	0.0113	--	0.002 U	--	--	0.0002 U	0.0175
03/08	0.0005 U	0.004	0.7536	0.001 U	0.0358	--	--	0.002 U	0.0556	0.0066	--	0.002 U	--	--	0.0002 U	0.0168
09/08	0.001 U	0.004 U	0.5928	0.002 U	0.0539	--	--	0.0016 U	0.053	0.0077	--	0.004 U	--	--	0.0002 U	0.0142
03/09	0.001 U	0.01 U	0.5995	0.0012 U	0.0646	--	--	0.01 U	0.0569	0.01 U	--	0.01 U	--	--	0.0002 U	0.0162
09/09	0.002 U	0.0024	0.588	0.002 U	--	0.002 U	59.9	0.002 U	0.0643	0.0063	28.8	0.002 U	33.2	18.5	0.0002 U	0.0183
07/10	0.001 U	0.0034	0.55	0.001 U	--	0.001 U	--	0.0021	0.061	0.004	--	0.0011	--	--	0.0002 U	0.02
09/10	0.005 U	0.005 U	0.592	0.005 U	--	0.005 U	62.3	0.005 U	0.0659	0.0124	25	0.005 U	35.6	21.3	0.0002 U	0.0197
04/11	0.005 U	0.005 U	0.736	0.005 U	--	0.005 U	69	0.005 U	0.0629	0.0076	23.6 J	0.005 U	47.1 J	18.5	0.0002 U	0.0176
09/11	0.005 U	0.005 U	0.58	0.005 U	--	0.005 U	65.3	0.005 U	0.0554	0.005 U	22.19	0.005 U	41.1	19	0.0002 U	--
03/12	0.005 U	0.005 U	0.697	0.005 U	--	0.005 U	74.4	0.005 U	0.0634	0.0082	23.68	0.005 U	42.7	19.6	0.00025	0.0209
09/12	0.005 U	0.005 U	0.571	0.005 U	--	0.005 U	64.3	0.005 U	0.067	0.005 U	21.7	0.005 U	37	18.8	0.0002 U	0.0229
03/13	0.005 U	0.005 U	0.573	0.005 U	--	0.005 U	67.4	0.005 U	0.0531	0.0113	21.8	0.005 U	35.2	19.5	0.0002 U	0.017
09/13	0.005 U	0.005 U	0.598	0.005 U	--	0.005 U	64.4	0.005 U	0.0566	0.005 U	20.6	0.005 U	38.6	19.4	0.00047	0.0205

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>03/14</b>	0.005 U	0.005 U	0.554	0.005 U	--	0.005 U	65.6	0.005 U	0.0526	0.005 U	19	0.005 U	37.4	17.3	0.0002 U	0.0176
<b>09/14</b>	0.005 U	0.005 U	0.536	0.005 U	--	0.005 U	60.2	0.005 U	0.0522	0.005 U	17.6	0.005 U	35.3	20.6	0.0002 U	0.0165
<b>03/15</b>	0.002 U	0.0031	0.52	0.002 U	--	0.004 U	70	0.01 U	0.056	0.0019 J	21	0.002 U	40	19	0.0002 U	0.011 U
<b>08/15</b>	0.001 U	0.0028	0.49	0.001 U	--	0.0005 U	74	0.035	0.061	0.005 U	21	0.001 U	41	19	0.0002 U	0.032
<b>03/16</b>	0.002 U	0.0026	0.5	0.002 U	--	0.002 U	69.6	0.00247	0.0484	0.002 U	20.9	0.002 U	40.7	26.8	0.0002 U	0.0126
<b>08/16</b>	0.002 U	0.00246	0.467	0.002 U	--	0.002 U	69	0.002 U	0.0544	0.002 U	22.4	0.002 U	40.6	18.8	0.0002 U	0.0145
<b>03/17</b>	0.002 U	0.00652	0.312	0.002 U	--	0.002 U	176	0.00592	0.002 U	0.0363	0.9	0.002 U	91.5	3.13	0.0002 U	0.0177
<b>09/17</b>	0.002 U	0.00265	0.463	0.002 U	--	0.002 U	76.5	0.00334	0.0544	0.002 U	23.7	0.002 U	46.9	19.1	0.0002 U	0.0144
<b>03/18</b>	0.002 U	0.00371	0.479	0.002 U	--	0.002 U	81.2	0.0094	0.0525	0.002 U	23.1	0.002 U	46.4	20.9	0.0002 U	0.0166
<b>09/18</b>	0.002 U	0.00446	0.434	0.002 U	--	0.002 U	76	0.0116	0.0467	0.002 U	22.2	0.002 U	41.9	18.3	0.0002 U	0.0145
<b>04/19</b>	0.001 U	0.00245	0.341	0.001 U	--	0.001 U	61.3	0.00261	0.0364	0.00538	17.2	0.001 U	42.8	16.8	0.0001 U	0.0124
<b>08/19</b>	0.001 U	0.00216	0.403	0.001 U	--	0.001 U	61.4	0.00191	0.0406	0.001 U	18	0.001 U	43.3	19.8	0.0001 U	0.0133
<b>03/20</b>	0.001 U	0.0022	0.454	0.001 U	--	0.001 U	70.4	0.0014	0.048	0.0016	21.8	0.001 U	50.3	21.3	0.0001 U	0.0147
<b>08/20</b>	0.001 U	0.00239	0.448	0.001 U	--	0.001 U	65.2	0.00187	0.0493	0.001 U	22.2	0.001 U	45.5	21.9	0.0001 U	0.0146
<b>03/21</b>	0.001 U	0.00157	0.423	0.001 U	--	0.001 U	68.2	0.001 U	0.0411	0.00125 E	13.7	0.001 U	41	17.3	0.0001 U	0.0115
<b>08/21</b>	0.001 U	0.00234	0.485	0.001 U	--	0.001 U	80.6	0.00346	0.0544	0.00309	23.9	0.001 U	56	24.4	0.0001 U	0.0181
<b>04/22</b>	0.001 U	0.0021	0.459	0.001 U	--	0.001 U	88.8	0.00318 J	0.0528	0.00323 J	24.2	0.001 U	53.3	22.2	0.0001 U	0.0166
<b>08/22</b>	0.00100 U	0.00232	0.435	0.00100 U	--	0.00100 U	82.8	0.00100 U	0.0523	0.00122	25	0.00100 U	53.5	21.8	0.000100 U	0.0149

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

	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	0.05				0.002		
<b>04/01</b>	--	0.0018 U	0.0052 U	--	0.002 U	0.002 U	--
<b>09/01</b>	--	0.002 U	0.0044 U	--	0.0012	0.002 U	--
<b>03/02</b>	--	0.002 U	0.0044 U	--	0.0011	0.002 U	--
<b>06/03</b>	--	0.0021	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>	--	0.002 U	0.0022 U	--	0.001 U	0.0039	--
<b>03/04</b>	--	0.002 U	0.0022 U	--	0.001 U	0.0039	--
<b>09/04</b>	--	0.0048	0.0018 U	--	0.0012	0.0059	--
<b>04/05</b>	--	0.0046	0.0018 U	--	0.0012	0.0078	--
<b>09/05</b>	--	0.0035	0.0018 U	--	0.0012	0.0032	--
<b>04/06</b>	--	0.002 U	0.0004 U	--	0.002 U	0.002 U	--
<b>09/06</b>	--	0.0008 U	0.0005 U	--	0.002 U	0.0219	--
<b>04/07</b>	--	0.002 U	0.0005 U	--	0.002 U	0.0007 U	0.0126
<b>10/07</b>	--	0.002 U	0.0005 U	--	0.002 U	0.0023	0.0253
<b>03/08</b>	--	0.002 U	0.0008 U	--	0.0015	0.002 U	0.0208
<b>09/08</b>	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
<b>03/09</b>	--	0.01 U	0.0043 U	--	0.005 U	0.01 U	0.0336
<b>09/09</b>	10.2	0.002 U	0.002 U	35.9	0.002 U	0.0005 J	0.01 U
<b>07/10</b>	--	0.001 U	0.001 U	--	0.0016	0.005 U	0.025
<b>09/10</b>	6.94	0.005 U	0.005 U	41.6	0.005 U	0.005 U	0.0165
<b>04/11</b>	10.1	0.005 U	0.005 U	74.2	0.005 U	0.005 U	0.0148
<b>09/11</b>	7	0.005 U	0.005 U	44.2	0.005 U	0.005 U	0.0141
<b>03/12</b>	7.95	0.00545	0.005 U	58.9	0.005 U	0.005 U	0.0175
<b>09/12</b>	6.77	0.005 U	0.005 U	35.7	0.005 U	0.005 U	0.0148
<b>03/13</b>	9.31	0.005 U	0.005 U	43.8	0.005 U	0.005 U	0.0142
<b>09/13</b>	5.77	0.005 U	0.005 U	35.7	0.005 U	0.005 U	0.0154

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

	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	8.52	0.05			0.002		
<b>03/14</b>	8.52	0.005 U	0.005 U	53.8	0.005 U	0.005 U	0.0137
<b>09/14</b>	7.12	0.005 U	0.005 U	43.6	0.005 U	0.005 U	0.0166
<b>03/15</b>	7	0.035 U	0.01 U	47	0.0011 J	0.01 U	0.013
<b>08/15</b>	7.4	0.005 U	0.001 U	41	0.0013	0.005 U	0.015
<b>03/16</b>	5.72	0.0029	0.002 U	42.9	0.00107	0.002 U	0.00931
<b>08/16</b>	6.28	0.00267	0.002 U	38.4	0.00108	0.002 U	0.0105
<b>03/17</b>	6.97	0.0317	0.002 U	69.4	0.001 U	0.00446	0.00709
<b>09/17</b>	5.22	0.00249	0.002 U	36.8	0.001 U	0.002 U	0.0095
<b>03/18</b>	5.33	0.00565	0.002 U	36.2	0.001 U	0.00284	0.0135
<b>09/18</b>	6.01	0.00492	0.002 U	46	0.001 U	0.00334	0.00926
<b>04/19</b>	7.07	0.001 U	0.001 U	62 B	0.001 U	0.001 U	0.023
<b>08/19</b>	6.82	0.001 U	0.001 U	57.3	0.001 U	0.001 U	0.00792 B
<b>03/20</b>	8.73	0.001 U	0.001 U	56.3	0.001 U	0.001 U	0.00906
<b>08/20</b>	7.39	0.001 U	0.001 U	54.4	0.001 U	0.001 U	0.00807
<b>03/21</b>	22	0.0013	0.001 U	59	0.001 U	0.001 U	0.0176
<b>08/21</b>	7.05	0.001 U	0.001 U	58.2	0.001 U	0.001 U	0.00855
<b>04/22</b>	6.86	0.001 U	0.001 U	53.8	0.001 U	0.001 U	0.004 U
<b>08/22</b>	6.85	0.00100 U	0.00100 U	54.7	0.00100 U	0.00100 U	0.00625 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	75						5		80	
04/01	0.18 U	0.15 U	0.23 U	0.22 U	38.54	1 U	0.21 U	1 U	0.2 U	10 U	2.25	7.8	10 U	--	0.18 U	--	0.15 U	--	8.6	0.2 U	0.18 U
09/01	0.18 U	0.15 U	0.23 U	3.77	49.88	1 U	0.21 U	0.14 U	0.2 U	10 U	2.73	9.57	10 U	--	0.18 U	--	1 U	--	8.08	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	4.07	58.99	1 U	0.21 U	0.14 U	0.2 U	10 U	3.49	12.62	10 U	--	0.18 U	--	1 U	--	9.03	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	27.3	1 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	6.32	10 U	--	0.18 U	--	0.15 U	--	5.17	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	25.91	1 U	0.21 U	0.14 U	0.2 U	0.19 U	1.64	6.7	11.54	1.69	0.18 U	--	0.15 U	--	5.5	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	27.74	1 U	0.21 U	1 U	0.2 U	10 U	2.45	7.91	16.14	4.67	1 U	--	0.15 U	--	6.58	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	33.3	1 U	0.4 U	0.33 U	0.28 U	10 U	2.33	10.73	10.24	0.29 U	0.19 U	--	0.39 U	--	5.28	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	29.03	1 U	0.4 U	0.33 U	0.28 U	10 U	1.89	10.53	10 U	1 U	0.19 U	--	0.39 U	--	2.4	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	42.38	1 U	0.4 U	0.33 U	0.28 U	10 U	3.03	11.53	10 U	0.29 U	0.19 U	--	0.39 U	--	4.29	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	36.78	1 U	0.4 U	0.33 U	0.28 U	10 U	2.58	9.4	10.01	0.29 U	0.19 U	--	1 U	--	3.34	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	21.95	1 U	0.4 U	0.33 U	0.28 U	10 U	3.87	13.74	10.47	1 U	0.19 U	--	0.39 U	--	4.53	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	34.7	1 U	0.4 U	0.33 U	0.28 U	10 U	2.95	9.67	11.86	1 U	0.19 U	--	0.39 U	--	3.99	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	44.7	1 U	0.4 U	1.07	0.28 U	10 U	5.32	15.23	10.11	1 U	1 U	--	0.39 U	--	6.12	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	47.23	0.63	0.14 U	0.24 U	0.16 U	1.82	4.98	14.47	10 U	--	--	--	--	--	4.62	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	36.07	0.5 U	0.17 U	0.2 U	0.08 U	1.34	4.09	12.33	10 U	--	--	--	--	--	3.2	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	48.38	0.72	0.17 U	0.2 U	0.08 U	--	4.81	16.14	--	--	--	--	--	--	5.53	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	45	0.86 J	1 U	1 U	1 U	1.84	1 U	15.8	13.6	1 U	1 U	1 U	0.14 J	1 U	4.56	1 U	1 U
07/10	1 U	1 U	1 U	1 U	50	1 U	1 U	1 U	1 U	2	4	13	15	10 U	5 U	5 U	5 U	10 U	6	1 U	1 U
09/10	2 U	2 U	2 U	2 U	36.4	0.71 J	2 U	1.52 J	2 U	1.92 J	3.84	10.1	11.3	2 U	2 U	2 U	2 U	2 U	4.24	2 U	2 U
04/11	1 U	1 U	1 U	1 U	23	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U	5 U	5 U	5 U	8.1	5 U	1 U	1 U	1 U
09/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6	11	1 U	5 U	5 U	5 U	5 U	5 U	5.5	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2,3-Trichloropropane (ug/L)	0.2 1,2-Dibromo-3-chloropropane (ug/L)	0.05 1,2-Dibromoethane (ug/L)	600 1,2-Dichlorobenzene (ug/L)	5 1,2-Dichloroethane (ug/L)	5 1,2-Dichloropropane (ug/L)	75 1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	5 Benzene (ug/L)	Bromochloromethane (ug/L)	80 Bromodichloromethane (ug/L)
<b>03/12</b>	1 U	1 U	1 U	1 U	1 U	23	1 U	1 U	1 U	1 U	1.2	1 U	6.8	9.7	5 U	5 U	5 U	5 U	5 U	1.9	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U	1 U	1 U	34.4	1 U	1 U	1 U	1 U	1 U	1 U	12.8	16.6	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/13</b>	1 U	1 U	1 U	1 U	1 U	34.3	1 U	1 U	1 U	1 U	1.47	3.68	10.5	12.4	5 U	5 U	5 U	5 U	5 U	3.44	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U	1 U	1 U	37.8	1 U	1 U	1 U	1 U	1.57	2.61	15.3	18.2	5 U	5 U	5 U	5 U	5 U	5.38	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U	1 U	1 U	18	1 U	1 U	1 U	1 U	--	1.87	5.49	8.08	5 U	5 U	5 U	5 U	5 U	1.32	--	1 U
<b>09/14</b>	1 U	1 U	1 U	1 U	1 U	29.8	1 U	1 U	1 U	1 U	1.29	3.74	8.57	12.2	5 U	5 U	5 U	5 U	5 U	4.18	1 U	1 U
<b>03/15</b>	1 U	1 U	1 U	1 U	1 U	24.6	1 U	1 U	1 U	1 U	1.06	2.69	6.9	8.84	5 U	5 U	5 U	5 U	5 U	1.62	1 U	1 U
<b>08/15</b>	1 U	1 U	1 U	1 U	1 U	31.5	1 U	1 U	1 U	1 U	1.51	4.29	9.63	14	5 U	5 U	5 U	5 U	5 U	4.27	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U	1 U	1 U	29.9	1 U	1 U	1 U	1 U	1.54	3.54	8.41	13.5	5 U	5 U	5 U	5 U	5 U	2.25	1 U	1 U
<b>08/16</b>	1 U	1 U	1 U	1 U	1 U	28.2	1 U	1 U	1 U	1 U	1.69	3.82	8.28	16.5	5 U	5 U	5 U	5 U	5 U	3.25	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U	1 U	1 U	24	1 U	1 U	1 U	1 U	1.97	3.67	7.23	18.6	5 U	5 U	5 U	5 U	5 U	2.93	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U	1 U	1 U	22.8	1 U	1 U	1 U	1 U	2.01	3.5	7.06	19.5	5 U	5 U	5 U	5 U	5 U	2.4	1 U	1 U
<b>03/18</b>	1 U	1 U	1 U	1 U	1 U	21.4	1 U	1 U	1 U	1 U	1.47	3.38	6.16	14.2	5 U	5 U	5 U	5 U	5 U	2.31	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U	1 U	1 U	16.4	1 U	1 U	1 U	1 U	1.06	2.17	4.52	10	5 U	5 U	5 U	5 U	5 U	1.63	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U	1 U	1 U	9.1	1 U	1 U	1 U	1 U	1 U	1.2	2.7	5.1	5 U	5 U	5 U	5.9	5 U	1.2	1 U	1 U
<b>08/19</b>	1 U	1 U	1 U	1 U	1 U	15.5	1 U	1 U	1 U	1 U	1 U	2	4.1	9.4	5 U	5 U	5 U	5 U	5 U	1.9	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	1 U	14.2	1 U	1 U	1 U	1 U	1.2	1.6	3.6	11.2	5 U	5 U	5 U	5 U	5 U	1.5	1 U	1 U
<b>08/20</b>	1 U	1 U	1 U	1 U	1 U	17.4	1 U	1 U	0.047 U	0.019 U	1.4	2.5	4.7	15.2	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	8.8	1 U	1 U	0.047 U	0.019 U	1 U	1 U	2.1	6.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/21</b>	1 U	1 U	1 U	1 U	1 U	13.6	1 U	1 U	0.047 U	0.019 U	1.5	2.2	3.4	1 U	5 U	5 U	5 U	5 U	5 U	1.9	1 U	1 U
<b>04/22</b>	1 U	1 U	1 U	1 U	1 U	15.6	1 U	1 U	0.047 U	0.019 U	1.5	1.9	3.7	16.2	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

08/22	MCL	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)	1,2,3-Trichloropropane (ug/L)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
		1.0 U	1.0 U	1.0 U	1.0 U	17.3	1.0 U	1.0 U	0.048 U	0.019 U	1.3	2.4	4.0	16.2	5.0 U	5.0 U	5.0 U	5.4 B	5.0 U	1.4	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL	80			5	100		80		70		80	700	10000			5	10000	100	5	1000	
<b>04/01</b>	0.14 U	0.15 U	0.38 U	0.15 U	2.86	1.68	0.23 U	0.21 U	53.86	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	27.78	1 U
<b>09/01</b>	0.14 U	0.15 U	0.38 U	0.15 U	2.12	3.32	0.23 U	0.21 U	66.93	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.22	0.27 U	0.21 U	61.57	0.24 U
<b>03/02</b>	0.14 U	1 U	0.38 U	0.15 U	1.36	2.19	0.23 U	0.21 U	88.85	0.19 U	1 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	90.52	1.18
<b>06/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	6.95	1.92	0.23 U	0.21 U	48.32	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	1 U	0.21 U	6.99	1 U
<b>10/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	6.31	2.01	0.23 U	0.21 U	46.23	0.19 U	0.17 U	1 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	1 U
<b>03/04</b>	0.14 U	1 U	1 U	0.15 U	6.25	2.35	0.23 U	1 U	47.05	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.65	1 U
<b>09/04</b>	0.27 U	0.31 U	2.5 U	0.25 U	4.42	1.11	0.27 U	1 U	67.11	0.29 U	0.27 U	1 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	1 U	26.04	0.32 U
<b>04/05</b>	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	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	3.06	0.32 U
<b>09/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	3.24	1.67	0.27 U	0.25 U	98.51	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	23.14	1 U
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	4.92	1.48	0.27 U	0.25 U	71.67	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.85	1 U
<b>09/06</b>	0.27 U	1 U	0.75 U	0.25 U	3.98	1.49	0.27 U	0.25 U	128.85	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	22.97	1 U
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	5.59	1.59	0.27 U	0.25 U	87.59	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	1 U
<b>10/07</b>	0.27 U	1 U	2.5 U	0.25 U	3.89	0.31 U	0.27 U	1 U	148.91	0.29 U	0.27 U	1 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	1 U	27.73	1 U
<b>03/08</b>	0.12 U	0.53	--	0.13 U	2.32	1.23	0.21 U	0.5 U	161.47	0.13 U	0.15 U	0.5 U	1.33	--	5 U	0.15 U	0.12 U	0.79	0.2 U	0.2 U	2.46
<b>09/08</b>	0.16 U	0.5 U	--	0.14 U	2.04	1.19	0.12 U	0.2 U	120.9	0.12 U	0.13 U	0.12 U	0.23 U	--	5.57	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U	0.5 U
<b>03/09</b>	0.16 U	0.12 U	--	0.14 U	2.76	1.61	0.12 U	0.5 U	164.77	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	0.17 U	0.5 U	0.11 U	4.49	0.67
<b>09/09</b>	1 U	1 U	2.5 U	1 U	2.98	1.55	1 U	1 U	156	1 U	1 U	1 U	2 U	1 U	2.05	1 U	1 U	1 U	1 U	0.61 J	1.49
<b>07/10</b>	5 U	1 U	1 U	1 U	3	1	1 U	1 U	160	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	28	1 U
<b>09/10</b>	2 U	2 U	5 U	2 U	2.26	1.51 J	2 U	2 U	117	2 U	2 U	2 U	4 U	2 U	1.71 J	2 U	2 U	2 U	2 U	11	2 U
<b>04/11</b>	1 U	1 U	3.9	1 U	5.7	1 U	1 U	5.3	38	1 U	1 U	1 U	--	1 U	2.6	1 U	1 U	--	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1.7	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	6.2	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
	80				5	100		80		70		80	700	10000			5	10000	100	5	1000	
<b>03/12</b>	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1 U	1 U	71	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
<b>09/12</b>	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	94.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/13</b>	1 U	1 U	5 U	1 U	1 U	2.04	1.2	1 U	1 U	97.1	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.39	1 U
<b>09/13</b>	1 U	1 U	5 U	1 U	1 U	2.43	1 U	1 U	1 U	126	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	5 U	1 U	1 U	1.8	1 U	1 U	1 U	54.7	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/14</b>	1 U	1 U	5 U	1 U	1 U	1.79	1 U	1 U	1 U	86	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	3.19	1 U
<b>03/15</b>	1 U	1 U	5 U	1 U	1 U	1.35	1 U	1 U	1 U	74	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/15</b>	1 U	1 U	5 U	1 U	1 U	1.95	1.1	1 U	1 U	88.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	5 U	1 U	1 U	1.82	1.05	1 U	1 U	87.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/16</b>	1 U	1 U	5 U	1 U	1 U	1.97	1.54	1 U	1 U	81.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	5 U	1 U	1 U	2.34	2.22	1 U	1 U	77.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	5 U	1 U	1 U	2.39	1.83	1 U	1 U	68	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/18</b>	1 U	1 U	5 U	1 U	1 U	1.86	2.4	1 U	1 U	67.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/18</b>	1 U	1 U	5 U	1 U	1 U	1.48	1.25	1 U	1 U	50.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	30.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	47.5	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	49.1	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	54.9	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	28.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>	1 U	1 U	1 U	1 U	1 U	2.6	2	1 U	1 U	38.5	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	1 U	1 U	1 U	1 U	1 U	2.4	1.3	1 U	1 U	47.4	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

08/22	MCL	Concentration (ug/L)	Unit
	80	Bromoform (ug/L)	1.0 U
		Bromomethane (ug/L)	1.0 U
		Carbon Disulfide (ug/L)	1.0 U
	5	Carbon Tetrachloride (ug/L)	1.0 U
	100	Chlorobenzene (ug/L)	2.4
		Chloroethane (ug/L)	1.0 U
	80	Chloroform (ug/L)	1.0 U
		Chloromethane (ug/L)	1.0 U
	70	cis-1,2-Dichloroethene (ug/L)	45.7
		cis-1,3-Dichloropropene (ug/L)	1.0 U
	80	Dibromochloromethane (ug/L)	1.0 U
	700	Ethylbenzene (ug/L)	1.0 U
	10000	m&p-Xylene (ug/L)	1.0 U
		Methyl Iodide (ug/L)	1.0 U
		Methyl Tertiary Butyl Ether (ug/L)	1.5
		Methylene Bromide (ug/L)	1.0 U
	5	Methylene Chloride (ug/L)	1.0 U
	10000	o-Xylene (ug/L)	1.0 U
	100	Styrene (ug/L)	1.0 U
	5	Tetrachloroethene (ug/L)	1.0 U
	1000	Toluene (ug/L)	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	2	10000
<b>04/01</b>	--	4.6	0.13 U	1 U		67.32	5.06	--	--	--
<b>09/01</b>	--	5.02	0.13 U	0.14 U		71.9	3.83	--	--	--
<b>03/02</b>	--	5.66	0.13 U	0.14 U		90.07	6.87	--	--	--
<b>06/03</b>	--	2.67	0.13 U	0.14 U		47.33	2.38	--	--	--
<b>10/03</b>	--	4.19	0.13 U	1 U		48.01	2.31	--	12.44	--
<b>03/04</b>	--	4.84	0.13 U	0.14 U		53.13	0.18 U	--	--	--
<b>09/04</b>	--	4.97	0.24 U	0.3 U		80.53	0.36 U	--	16.08	--
<b>04/05</b>	--	4.09	0.24 U	1 U		110.03	3.3	--	17.86	--
<b>09/05</b>	--	6.27	0.24 U	0.3 U		92.22	0.36 U	--	19.76	--
<b>04/06</b>	--	5.19	0.24 U	0.3 U		71.55	3.18	--	11.67	--
<b>09/06</b>	--	11.59	0.24 U	0.3 U		112.28	4.34	--	30.39	--
<b>04/07</b>	--	7	0.24 U	0.3 U		76.03	0.36 U	--	19.65	--
<b>10/07</b>	--	12.95	0.24 U	0.3 U		108.24	0.36 U	--	31.39	--
<b>03/08</b>	0.05	8.87	0.08 U	--		132.6	0.07 U	--	23.16	--
<b>09/08</b>	0.03	12.43	0.13 U	--		107.44	0.1 U	--	17.61	--
<b>03/09</b>	0.02	11.02	0.13 U	--		130.79	0.1 U	--	29.48	--
<b>09/09</b>	--	9.59	1 U	1 U		131	4.88	--	30.5	--
<b>07/10</b>	--	9	1 U	5 U		92	1 U	1 U	23	--
<b>09/10</b>	--	7.01	2 U	2 U		81.6	2 U	2 U	28	--
<b>04/11</b>	--	6.3	1 U	5 U		21	1 U	1 U	11	1 U
<b>09/11</b>	--	14	1 U	5 U		82	8.3	1 U	41	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

	MCL	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	5 Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	2 Vinyl Chloride (ug/L)	Xylene (ug/L)
	80	100								10000
<b>03/12</b>	--	4.8	1 U	5 U	47	1 U	1 U	14	1 U	
<b>09/12</b>	--	7.24	1 U	5 U	75.6	1 U	5 U	17.5	1 U	
<b>03/13</b>	--	6.92	1 U	5 U	57.9	1 U	5 U	17.4	1 U	
<b>09/13</b>	--	3.98	1 U	5 U	87.4	1 U	5 U	16.8	1 U	
<b>03/14</b>	--	3.72	1 U	5 U	24.2	1 U	5 U	8.89	1 U	
<b>09/14</b>	--	6.61	1 U	5 U	45.4	1 U	5 U	18.2	1 U	
<b>03/15</b>	--	4.59	1 U	5 U	21.9	1 U	5 U	11.1	1 U	
<b>08/15</b>	--	6.41	1 U	5 U	35.2	1.45	5 U	12.8	1 U	
<b>03/16</b>	--	6	1 U	5 U	14.6	1.77	5 U	13.2	1 U	
<b>08/16</b>	--	6.09	1 U	5 U	21	2.09	5 U	12.2	1 U	
<b>03/17</b>	--	5.82	1 U	5 U	10.6	1 U	5 U	11.1	1 U	
<b>09/17</b>	--	5.24	1 U	5 U	7	1 U	5 U	8.77	1 U	
<b>03/18</b>	--	4.79	1 U	5 U	2.32	1 U	5 U	8.71	1 U	
<b>09/18</b>	--	3.81	1 U	5 U	1.82	1.11	5 U	9.32	1 U	
<b>04/19</b>	--	2.2	1 U	1 U	1.9	1 U	1 U	5.8	1 U	
<b>08/19</b>	--	3.5	1 U	1 U	4	1 U	1 U	8.7	1 U	
<b>03/20</b>	--	3.8	1 U	1 U	3.1	1 U	1 U	8.2	1 U	
<b>08/20</b>	--	4	1 U	1 U	2.9	1 U	1 U	9.8	1 U	
<b>03/21</b>	--	1.7	1 U	1 U	2.9	1 U	1 U	4.2	1 U	
<b>08/21</b>	--	3.1	1 U	1 U	2.1	1 U	1 U	7.9	1 U	
<b>04/22</b>	--	3.7	1 U	1 U	1.2	1 U	1 U	7.7	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

	MCL	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)
<b>08/22</b>	--	3.1	1.0 U	1.0 U	1.2	1.0 U	1.0 U	8.1	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - General Parameters**

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	NO <sub>3</sub> Nitrate (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																				
<b>04/01</b>	--	--	--	318.906	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1	--
<b>09/01</b>	--	--	--	334.669	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.78	--
<b>03/02</b>	--	--	--	206.952	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.49	--
<b>09/02</b>	--	--	--	372.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
<b>06/03</b>	--	--	--	390.883	--	--	--	--	--	--	0.0638	--	--	--	--	--	0.03	--	1.4	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0748	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0485	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.0607	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.0443	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0178	--	--	--	--	--	0.038	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.049	--	--	--	--	--	0.014	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.053	--	--	--	--	--	0.075	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.059	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	125	0.301	31.3	438	--	570	0.2 U	--	--	--	--	--	--	12.1	--	1200	--	--	10.3	--
<b>09/10</b>	135	0.281	29.5	468	--	600	0.2 U	--	--	--	--	--	--	12.8	--	1672	--	--	16.3	--
<b>04/11</b>	133	0.379	39.3	473	--	592	0.2 U	--	--	--	--	--	--	11.5 J	--	1356	--	--	5.83	--
<b>09/11</b>	127	0.316	27.5	460	--	602	0.2 U	--	--	--	--	--	--	11	--	1636	--	--	--	--
<b>03/12</b>	129	0.218	33	531	--	622	0.2 U	--	--	--	--	--	--	11.1	--	1508	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/12</b>	123	0.299	33.3	501	--	598	0.2 U	--	--	--	--	--	--	11.5	--	1476	--	--	--	--
<b>04/13</b>	129	0.285	28.8	498	0.07	604	0.2 U	385	5.85	--	--	1.985	--	9	15.5	1596	--	--	--	12.3
<b>09/13</b>	--	--	--	--	0.13	590	--	179.9	5.62	--	--	1.225	--	--	16.24	--	--	--	4.3	1.32
<b>09/13</b>	127	0.229	65.6	501	0.03	616	0.2 U	406	5.69	--	--	1697	--	11.7	17.18	1262	--	--	--	18.2
<b>09/13</b>	--	--	--	--	0.74	640	--	223	5.65	--	--	1.678	--	--	13.65	--	--	--	0.41	10.3
<b>03/14</b>	133	0.309	27.6	512	0.02	640	0.2 U	419	5.77	--	--	1720	--	12	15.5	1242	--	--	--	14.1
<b>09/14</b>	144	0.478	34.6	530	2.33	684	0.2 U	353	5.92	--	--	1818	--	14	16.97	1138	--	--	--	7.2
<b>03/15</b>	1250	0.368	35.6	544	0	694	0.2 U	339	6.41	--	--	1577	--	11	14.82	1088	--	--	--	0
<b>09/15</b>	131	0.372	39.7	541	0.91	680	0.2 U	288	5.63	--	--	1837	--	9.29	18.15	1169	--	--	--	0.81
<b>03/16</b>	132	0.327	35.5	580	0	690	0.2 U	404	5.76	--	--	1836	--	12.2	13.83	1070	--	--	--	0
<b>08/16</b>	145	0.377	47.5	543	--	700	0.2 U	385	5.46	--	--	1862	--	11.3	21.5	1200	--	--	--	0
<b>03/17</b>	143	0.307	34	539	--	720	0.2 U	425	5.68	--	--	1771	--	12	15.59	1030	--	--	--	2.5
<b>09/17</b>	144	0.2 U	29.8	551	--	700	0.2 U	434	5.65	--	--	1837	--	10.5	19.63	1210	--	--	--	1.5
<b>03/18</b>	139	0.221	50.7	584	--	770	0.2 U	243	5.66	--	--	1832	--	12.6	15.01	1350	--	--	--	0
<b>09/18</b>	140	0.328	39.7	607	--	741	0.2 U	224	5.67	--	--	1987	--	11.1	24.16	1100	--	--	--	3.7
<b>04/19</b>	254	0.94	50	546	0.02	720 B	1.4	141.6	5.80	6.12	--	2541	2120	18.8	15.8	1450	--	6.3	0.812	2
<b>08/19</b>	210	0.99	52.2	593	0.13	896	1.6	178.8	5.41	6.01	--	1.775	2090	15.5	17.2	1790	--	2.3 J	0.5 U	2.3
<b>03/20</b>	157	0.63	41.9	566	0.53	835	1.21	261.1	5.60	5.77	--	1992	2110	12.2	15.8	1390	--	6.7	1.27	0.4
<b>07/20</b>	155	0.61	49.5	560	0.48	771	0.93	159.9	5.59	5.77	--	2009	2170	11.3	18.9	1210	--	10	0.5 U	2.1
<b>03/21</b>	163	0.56	39.6	594	0.09	695	0	169.1	5.65	5.82	--	2198	2190	11.4	19.2	1520	--	9.9	0.5 U	0.05
<b>08/21</b>	169	0.67	53.2	616	0.67	832	0.011 U	233.1	5.54	5.78	--	2156	2170	10.4	20.7	1250	--	9.6	0.5 U	2.5

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																				
<b>04/22</b>	158	0.48 J 39	601	0.98	837	0.011 U	147.3	5.55	5.77	--	1919	2222	9.9	13.1	1190	--	27.7	1.45	2.61	
<b>08/22</b>	177	0.44 J 54.1	610	0.24	876	0.011 U	154.8	5.47	5.76	--	2094.0	2241	10.2	18.8	1290	--	576	6.76	2.20	

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0007 U	0.002 U	0.0898	0.0005 U	--	0.002 U	--	0.0062	0.0007 U	0.0218	--	0.0013 U	--	0.3003	0.0001 U	0.0095
09/01	0.002 U	0.002 U	0.0385	0.0017 U	--	0.002 U	--	0.0012 U	0.002 U	0.0263	--	0.002 U	--	0.4309	0.0002	0.0133
03/02	0.0005 U	0.0054	0.0385	0.0017 U	--	0.002 U	--	0.0023	0.002 U	0.0246	--	0.002 U	--	0.443	0.0002 U	0.0137
09/02	0.0007 U	0.0192	0.0397	0.0004 U	--	0.002 U	--	0.0032	0.002 U	0.0124	--	0.002 U	--	0.4699	0.0002 U	0.0162
06/03	0.0007 U	0.0039	0.0444	0.0004 U	--	0.002 U	--	0.002 U	0.002 U	0.0312	--	0.002 U	--	0.5439	0.0002	0.0152
10/03	0.0009 U	0.002 U	0.0368	0.0016 U	--	0.0007 U	--	0.0005 U	0.002 U	0.0185	--	0.002 U	--	0.4973	0.0002 U	0.0119
03/04	0.0009 U	0.002 U	0.0406	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0262	--	0.002 U	--	0.6448	0.0002 U	0.0138
09/04	0.0028 U	0.002 U	0.0443	0.0012 U	--	0.002 U	--	0.0007 U	0.002 U	0.0348	--	0.002 U	--	0.6915	0.0002 U	0.0141
04/05	0.0028 U	0.002 U	0.0447	0.0012 U	--	0.002 U	--	0.0007 U	0.002 U	0.0339	--	0.002 U	--	0.6969	0.0002 U	0.0149
09/05	0.0028 U	0.002 U	0.1167	0.0012 U	--	0.002	--	0.0007 U	0.0005 U	0.0218	--	0.002	--	0.3169	0.0001 U	0.0103
04/06	0.0006 U	0.002 U	0.0408	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.026	--	0.002 U	--	0.6662	0.0002 U	0.0142
09/06	0.0007 U	0.002 U	0.0441	0.0009 U	--	0.0006 U	--	0.0022	0.002 U	0.0248	--	0.0007 U	--	0.6592	0.0002 U	0.0148
04/07	0.0007 U	0.002 U	0.0432	0.0009 U	0.2 U	--	--	0.0007 U	0.002 U	0.0227	--	0.0007 U	--	--	0.0002 U	0.0152
10/07	0.002 U	0.002 U	0.0445	0.0009 U	0.1554	--	--	0.0026	0.002 U	0.0261	--	0.002 U	--	--	0.0002	0.0157
03/08	0.0005 U	0.002	0.0453	0.001 U	0.1376	--	--	0.002 U	0.0012 U	0.03	--	0.001 U	--	--	0.0004	0.0164
09/08	0.001 U	0.004 U	0.049	0.002 U	0.4 U	--	--	0.004 U	0.0024 U	0.027	--	0.004 U	--	--	0.0002	0.0172
03/09	0.001 U	0.01 U	0.0512	0.0012 U	0.1663	--	--	0.01 U	0.01 U	0.0288	--	0.01 U	--	--	0.0002	0.0159
09/09	0.002 U	0.0036	0.0542	0.002 U	--	0.002 U	109	0.0021	0.0012 J	0.0328	0.998	0.002 U	71.9	0.969	0.0003	0.021
07/10	0.001 U	0.0012	0.051	0.001 U	--	0.001 U	--	0.0012	0.0011	0.026	--	0.001 U	--	--	0.0002	0.018
09/10	0.005 U	0.0061	0.0539	0.005 U	--	0.005 U	113	0.005 U	0.005 U	0.0324	1.24	0.005 U	80.3	1.13	0.0002 U	0.0207
04/11	0.005 U	0.0053	0.0579	0.005 U	--	0.005 U	117 J	0.005 U	0.005 U	0.0283	0.636	0.005 U	94.8	1.12	0.0002 U	0.0193
09/11	0.005 U	0.005 U	0.0555	0.005 U	--	0.005 U	118	0.005 U	0.005 U	0.0236	0.712	0.005 U	85.5	1.1	0.0002 U	--
03/12	0.005 U	0.0105	0.0614	0.005 U	--	0.005 U	124	0.005 U	0.005 U	0.0295	1.12	0.005 U	88.8	1.01	0.0002 U	0.0217
09/12	0.005 U	0.0107	0.0553	0.005 U	--	0.005 U	118	0.005 U	0.005 U	0.0256	0.615	0.005 U	81	1.12	0.0002 U	0.0252
04/13	0.005 U	0.0105	0.0622	0.005 U	--	0.005 U	126	0.005 U	0.005 U	0.0364	0.806	0.005 U	89.6	1.23	0.0002 U	0.0256

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
09/13	0.005 U	0.001 U	0.058	0.001 U	--	0.001 U	110	0.00053 J	0.00095 J	0.026	10 U	0.001 U	77	1.4	0.00013 J	--
09/13	0.005 U	0.00555	0.0612	0.005 U	--	0.005 U	123	0.005 U	0.005 U	0.0284	0.932	0.005 U	85.5	1.48	0.0002 U	0.0186
09/13	0.005 U	0.001 U	0.051	0.001 U	--	0.001 U	120	0.001 U	0.0012	0.02	0.1 U	0.001 U	82	1.2	0.00011 J	--
03/14	0.005 U	0.0106	0.0681	0.005 U	--	0.005 U	142	0.005 U	0.005 U	0.0281	1.05	0.005 U	98.8	1.32	0.0002 U	0.0238
09/14	0.005 U	0.00509	0.0681	0.005 U	--	0.005 U	121	0.005 U	0.005 U	0.0291	0.998	0.005 U	85.2	1.58	0.0002 U	0.0219
03/15	0.002 U	0.0082	0.059	0.002 U	--	0.004 U	130	0.15	0.01 U	0.03	0.5	0.002 U	89	1.6	0.0002 U	0.011 U
09/15	0.001 U	0.0067	0.061	0.001 U	--	0.0005 U	130	0.005 U	0.005 U	0.028	0.005 U	0.001 U	89	1.7	0.0002 U	0.017
03/16	0.002 U	0.00464	0.0686	0.002 U	--	0.002 U	129	0.002 U	0.002 U	0.028	0.941	0.002 U	91.1	1.84	0.0002 U	0.0225
08/16	0.002 U	0.00484	0.0654	0.002 U	--	0.002 U	122	0.002 U	0.002 U	0.0254	0.842	0.002 U	85.1	1.76	0.0002 U	0.0209
03/17	0.002 U	0.00639	0.065	0.002 U	--	0.002 U	135	0.00566	0.002 U	0.03	0.816	0.002 U	94.5	1.74	0.0002 U	0.0253
09/17	0.005 U	0.005 U	0.0722	0.005 U	--	0.005 U	139	0.005 U	0.005 U	0.0357	1.57	0.005 U	96.6	1.8	0.0002 U	0.0225
03/18	0.002 U	0.00979	0.0633	0.002 U	--	0.002 U	129	0.00865	0.002 U	0.0238	0.2 U	0.002 U	89.6	1.86	0.0002 U	0.022
09/18	0.002 U	0.00733	0.0678	0.002 U	--	0.002 U	141	0.00394	0.002 U	0.0287	0.05 U	0.002 U	94.5	1.96	0.0002 U	0.0264
04/19	0.001 U	0.001 U	0.0666	0.001 U	--	0.001 U	128	0.00227	0.00109	0.0305	0.143	0.001 U	98.5	2.42	0.0001 U	0.0237
08/19	0.001 U	0.001 U	0.0687	0.001 U	--	0.001 U	149	0.00278	0.00104	0.033	0.1 U	0.001 U	127	3.2	0.0001 U	0.026
03/20	0.001 U	0.001 U	0.077	0.001 U	--	0.001 U	135	0.00166	0.00119	0.0327	0.0634 J	0.001 U	121	3.12	0.0001 U	0.0262
07/20	0.001 U	0.001 U	0.0749	0.001 U	--	0.001 U	127	0.00125	0.00106	0.0405	0.0322 J	0.001 U	110	2.84	0.0001 U	0.0256
03/21	0.001 U	0.001 U	0.0653	0.001 U	--	0.001 U	117	0.00133	0.00112	0.0294	0.109	0.001 U	97.7	2.48	0.0001 U	0.0237
08/21	0.001 U	0.001 U	0.0799	0.001 U	--	0.001 U	141	0.00111	0.00126	0.0364	0.0469 J	0.001 U	117	3.38	0.0001 U	0.0277
04/22	0.001 U	0.001 U	0.0724	0.001 U	--	0.001 U	151	0.001 U	0.00135 J	0.0309	0.0331 J	0.001 U	112	2.98	0.0001 U	0.0268
08/22	0.00100 U	0.00100 U	0.0901	0.00100 U	--	0.00100 U	155	0.00686 J	0.00313 J	0.0542	1.72	0.00100 U	119	3.5	0.000245	0.0340

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

	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	0.05	0.002					
04/01	--	0.005 U	0.0052 U	--	0.0009 U	0.0006 U	--
09/01	--	0.006	0.0044 U	--	0.0009 U	0.0007 U	--
03/02	--	0.0187	0.0044 U	--	0.0009 U	0.0007 U	--
09/02	--	0.0531	0.0096 U	--	0.001 U	0.0003 U	--
06/03	--	0.0146	0.0096 U	--	0.001 U	0.002 U	--
10/03	--	0.0038	0.0022 U	--	0.0004 U	0.0004 U	--
03/04	--	0.0035	0.0022 U	--	0.0004 U	0.0004 U	--
09/04	--	0.007	0.0018 U	--	0.0006 U	0.002 U	--
04/05	--	0.0027	0.0018 U	--	0.0006 U	0.002 U	--
09/05	--	0.0032	0.0018 U	--	0.0006 U	0.002 U	--
04/06	--	0.0053	0.0004 U	--	0.0004 U	0.0004 U	--
09/06	--	0.0032	0.002 U	--	0.0007 U	0.0007 U	--
04/07	--	0.0074	0.0005 U	--	0.0007 U	0.0007 U	0.0166
10/07	--	0.0085	0.002 U	--	0.0007 U	0.002 U	0.017
03/08	--	0.0077	0.0026	--	0.0006 U	0.0006 U	0.0201
09/08	--	0.0064	0.0016 U	--	0.0012 U	0.0012 U	0.0273
03/09	--	0.01 U	0.0043 U	--	0.0008 U	0.01 U	0.0321
09/09	4.93	0.0174	0.002 U	89.1	0.002 U	0.0007 J	0.024
07/10	--	0.001 U	0.0009 J	--	0.001 U	0.005 U	0.028
09/10	4.92	0.0243	0.005 U	91.9	0.005 U	0.005 U	0.0214
04/11	5.92	0.0223	0.005 U	100 J	0.005 U	0.005 U	0.021
09/11	4.99	0.0161	0.005 U	91.1	0.005 U	0.005 U	0.0204
03/12	5.73	0.0373	0.005 U	95	0.005 U	0.005 U	0.0227
09/12	5.42	0.0391	0.005 U	89	0.005 U	0.005 U	0.0222
04/13	5.96	0.0434	0.005 U	100	0.005 U	0.005 U	0.0228

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

	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		0.05			0.002		
<b>09/13</b>	4.7	0.001 U	0.00055 J	81	0.001 U	0.005 U	2 U
<b>09/13</b>	5.15	0.0239	0.005 U	90.4	0.005 U	0.005 U	0.0227
<b>09/13</b>	4.4	0.001 U	0.001 U	87	0.001 U	0.005 U	0.021
<b>03/14</b>	5.38	0.0358	0.005 U	106	0.005 U	0.005 U	0.0239
<b>09/14</b>	5.51	0.0233	0.005 U	89.6	0.005 U	0.005 U	0.026
<b>03/15</b>	5.3	0.028 J	0.01 U	94	0.002 U	0.01 U	0.024
<b>09/15</b>	5.9	0.026	0.001 U	89	0.001 U	0.005 U	0.023
<b>03/16</b>	5.74	0.0226	0.002 U	90.3	0.001 U	0.002 U	0.022
<b>08/16</b>	4.97	0.0197	0.002 U	84.3	0.001 U	0.002 U	0.0186
<b>03/17</b>	4.96	0.0339	0.002 U	96.3	0.001 U	0.00425	0.0218
<b>09/17</b>	5.23	0.0157	0.005 U	97	0.005 U	0.005 U	0.0446
<b>03/18</b>	4.96	0.0302	0.002 U	92.1	0.001 U	0.00275	0.0192
<b>09/18</b>	4.91	0.0258	0.002 U	93.2	0.001 U	0.002 U	0.0252
<b>04/19</b>	6.32	0.001 U	0.001 U	108	0.001 U	0.001 U	0.0205 B
<b>08/19</b>	6.66	0.001 U	0.001 U	124	0.001 U	0.001 U	0.0263 B
<b>03/20</b>	6.42	0.001 U	0.001 U	114	0.001 U	0.001 U	0.0278
<b>07/20</b>	6.33	0.001 U	0.001 U	105	0.001 U	0.001 U	0.0247
<b>03/21</b>	5.37	0.001 U	0.001 U	90.4	0.001 U	0.001 U	0.0272
<b>08/21</b>	6.15	0.001 U	0.001 U	97.9	0.001 U	0.001 U	0.0289
<b>04/22</b>	5.83	0.001 U	0.001 U	98.3	0.001 U	0.001 U	0.0271
<b>08/22</b>	6.56	0.00100 U	0.00134 J	109	0.00100 U	0.00238 J	0.0416

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	75									
04/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	1 U	1 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U	
09/01	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	1 U	--	1.56	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	1 U	1 U	1 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	1 U	--	1.81	0.2 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	1 U	--	1.48	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	1 U	1 U	1 U	6.47	0.58	1 U	--	0.15 U	--	1.79	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	1 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	0.15 U	--	1.64	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1.4	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	1 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	1 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	1 U	0.27 U	1 U	7.3	0.29 U	0.19 U	--	0.39 U	--	1.65	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1 U	10 U	1.09	0.19 U	--	0.39 U	--	1.72	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1.83	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.5 U	0.5 U	0.17 U	10 U	--	--	--	--	--	1.4	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.5 U	0.73	4.46	--	--	--	--	--	1.32	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.5 U	0.8	10 U	--	--	--	--	--	1.65	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.51 J	1 U	0.72 J	7.33	1 U	1 U	1 U	0.35 J	1 U	1.68	1 U	1 U
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	7	10 U	5 U	5 U	5 U	10 U	2	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.51 J	4.66	0.78 J	2 U	2 U	18.6	2 U	2.45	2 U	2 U
04/11	1 U	1 U	1 U	1 U	22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	6.6	5 U	2.2	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2,3-Trichloropropane (ug/L)	0.2 1,2-Dibromo-3-chloropropane (ug/L)	0.05 1,2-Dibromoethane (ug/L)	600 1,2-Dichlorobenzene (ug/L)	5 1,2-Dichloroethane (ug/L)	5 1,2-Dichloropropane (ug/L)	75 1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	5 Benzene (ug/L)	Bromochloromethane (ug/L)	80 Bromodichloromethane (ug/L)
09/11	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 U	1 U	5 U	5 U	5 U	5 U	5 U	2.1	1 U	1 U
03/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.6	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U
09/12	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.06	1 U	1.33	5 U	5 U	5 U	5 U	5 U	5 U	3.5	1 U	1 U
09/13	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.94	1 U	1 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1.57	--	1 U
09/14	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.7	1 U	1 U
03/15	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.97	1 U	1 U
09/15	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.86	1 U	1 U
03/16	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 U	5 U	5 U	5 U	5 U	5 U	5 U	2.15	1 U	1 U
08/16	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.42	1 U	1 U
03/17	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.81	1 U	1 U
09/17	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.71	1 U	1 U
03/18	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.82	1 U	1 U
09/18	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.61	1 U	1 U
04/19	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U
08/19	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.7	1 U	1 U
03/20	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 U	5 U	5 U	5 U	5 U	5 U	5 U	1.9	1 U	1 U
07/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	2.4	1 U	1 U
03/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U
08/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	8	5 U	5 U	5 U	5 U	5 U	1.9	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	9.1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	
80	80	100	5	100	80	80	70	80	700	10000	80	700	10000	80	5	10000	100	5	10000	100	5	1000
04/01	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U	0.24 U	
09/01	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	23.24	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	8.87	0.27 U	0.21 U	2.06	0.24 U	
03/02	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	1 U	0.21 U	26.49	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	4.09	0.27 U	0.21 U	3.55	0.24 U	
09/02	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	18.02	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.3	0.27 U	0.21 U	1.44	1 U	
06/03	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	19.38	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	1.97	0.27 U	0.21 U	2.37	0.24 U	
10/03	0.14 U	1 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	22.97	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	1.24	0.27 U	0.21 U	0.17 U	1 U	
03/04	0.14 U	1 U	1 U	0.15 U	1 U	0.2 U	0.23 U	1 U	18.94	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.49	0.27 U	0.21 U	1.01	0.24 U	
09/04	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	15.36	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	2.19	0.18 U	0.25 U	1.39	1 U	
04/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	11.88	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	1.84	0.18 U	0.25 U	0.36 U	0.32 U	
09/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	5.65	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U	
04/06	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	12.82	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	1.5	1 U	0.25 U	1.45	0.32 U	
09/06	0.27 U	0.31 U	0.75 U	0.25 U	1.08	0.31 U	0.27 U	0.25 U	23.31	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	2.77	0.18 U	0.25 U	1.92	0.32 U	
04/07	0.27 U	0.31 U	0.75 U	0.25 U	1.02	0.31 U	0.27 U	0.25 U	24.08	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	3.31	0.18 U	0.25 U	1.77	0.32 U	
10/07	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.31 U	0.27 U	0.25 U	26.31	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	2.67	0.18 U	0.25 U	1.65	0.32 U	
03/08	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	0.26 U	0.43 U	--	1.73 U	0.5 U	2.45	0.22 U	0.2 U	1.42	0.28 U	
09/08	0.16 U	0.12 U	--	0.14 U	0.82	0.13 U	0.12 U	0.2 U	20.7	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	2.44	0.11 U	0.11 U	1.34	0.5 U	
03/09	0.16 U	0.5 U	--	0.14 U	1.07	0.13 U	0.5 U	0.2 U	24.4	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	2.98	0.11 U	0.11 U	1.7	0.12 U	
09/09	1 U	1 U	2.5 U	1 U	1.14	1 U	1 U	1 U	21.8	1 U	1 U	1 U	2 U	1 U	1 U	1 U	3.38	1 U	1 U	1.23	1 U	
07/10	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	25	1 U	1 U	1 U	2 U	20 U	--	1 U	4	1 U	1 U	2	1 U	
09/10	2 U	2 U	5 U	2 U	0.87 J	2 U	2 U	2 U	8.54	2 U	2 U	2 U	4 U	2 U	2 U	2 U	3.39	2 U	2 U	0.6 J	2 U	
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.5	67	1 U	1 U	1 U	--	1 U	2 U	1 U	7.7	--	1 U	13	1 U	

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
	80				5	100		80		70		80	700	10000				5	10000	100	5	1000
09/11	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 U	2 U	1 U	4.4	--	1 U	1.3	1 U	1 U
03/12	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	20	1 U	1 U	1 U	--	1 U	1 U	1 U	--	1 U	1.9	1 U	1 U
09/12	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	16.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13	1 U	1 U	5 U	1 U	2.56	1 U	1 U	1 U	1 U	36.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	6.57	1 U	1 U	3.36	1 U
09/13	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	19.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/14	1 U	1 U	5 U	1 U	1.25	1 U	1 U	1 U	1 U	16	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.88	1 U	1 U	1.35	1 U
09/14	1 U	1 U	5 U	1 U	1.37	1 U	1 U	1 U	1 U	15.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.8	1 U	1 U	1.14	1 U
03/15	1 U	1 U	5 U	1 U	1.34	1 U	1 U	1 U	1 U	17.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.74	1 U	1 U	1.39	1 U
09/15	1 U	1 U	5 U	1 U	1.33	1 U	1 U	1 U	1 U	17.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.43	1 U	1 U	1.36	1 U
03/16	1 U	1 U	5 U	1 U	1.63	1 U	1 U	1 U	1 U	20.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.85	1 U	1 U	1.65	1 U
08/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	15.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.98	1 U	1 U	1 U	1 U
03/17	1 U	1 U	5 U	1 U	1.47	1 U	1 U	1 U	1 U	19	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.3	1 U	1 U	1.29	1 U
09/17	1 U	1 U	5 U	1 U	1.64	1 U	1 U	1 U	1 U	16.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.93	1 U	1 U	1.31	1 U
03/18	1 U	1 U	5 U	1 U	1.58	1 U	1 U	1 U	1 U	18.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.16	1 U	1 U	1.25	1 U
09/18	1 U	1 U	5 U	1 U	1.54	1 U	1 U	1 U	1 U	16	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.84	1 U	1 U	1.11	1 U
04/19	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	14.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1.1	1 U
08/19	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	18.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.4	1 U	1 U	1.4	1 U
03/20	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	20.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 B	1 U	1 U	1.4	1 U
07/20	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	21.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1.6	2.3
03/21	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	17.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1.3	1 U
08/21	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.4	1 U	1 U	1.3	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
<b>04/22</b>	80	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	16.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1.5	3.7
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.0 U	1.9	1.0 U	1.0 U	1.0 U	20.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	1.0 U	1.0 U	1.3	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	10000	
<b>04/01</b>	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--	--
<b>09/01</b>	--	1 U	0.13 U	0.14 U	2.05	0.18 U	--	--	--	--
<b>03/02</b>	--	1 U	0.13 U	0.14 U	2.97	0.18 U	--	--	--	--
<b>09/02</b>	--	1 U	0.13 U	0.14 U	1.54	0.18 U	--	--	--	--
<b>06/03</b>	--	1 U	0.13 U	0.14 U	1.7	0.18 U	--	--	--	--
<b>10/03</b>	--	1 U	0.13 U	1 U	2.19	0.18 U	--	1.68	--	--
<b>03/04</b>	--	1 U	0.13 U	1 U	1.94	0.18 U	--	1.29	--	--
<b>09/04</b>	--	0.45 U	0.24 U	0.3 U	2.02	0.36 U	--	1.49	--	--
<b>04/05</b>	--	0.45 U	0.24 U	1 U	1.53	0.36 U	--	1.43	--	--
<b>09/05</b>	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>04/06</b>	--	0.45 U	0.24 U	0.3 U	1.87	0.36 U	--	1 U	--	--
<b>09/06</b>	--	1 U	0.24 U	0.3 U	2.24	0.36 U	--	1.15	--	--
<b>04/07</b>	--	1 U	0.24 U	0.3 U	1.93	0.36 U	--	1.06	--	--
<b>10/07</b>	--	1 U	0.24 U	0.3 U	2.08	0.36 U	--	2.02	--	--
<b>03/08</b>	0.2	0.5 U	0.08 U	--	1.96	0.07 U	--	1.37	--	--
<b>09/08</b>	0.03	0.5 U	0.13 U	--	1.45	0.1 U	--	1.39	--	--
<b>03/09</b>	0.19	0.58	0.13 U	--	1.87	0.1 U	--	1.65	--	--
<b>09/09</b>	--	0.58 J	1 U	1 U	1.83	1 U	--	2.12	--	--
<b>07/10</b>	--	1 U	1 U	5 U	2	1 U	1 U	2	--	--
<b>09/10</b>	--	2 U	2 U	2 U	1.07 J	2 U	2 U	2.78	--	--
<b>04/11</b>	--	5.4	1 U	5 U	17	3.8	1 U	1 U	1 U	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	10000	
<b>09/11</b>	--	2.2	1 U	5 U	1.3	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	--	1 U	1 U	5 U	1.9	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/13</b>	--	1.22	1 U	5 U	3.39	1 U	5 U	4.37	1 U	1 U
<b>09/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	2.26	1 U	1 U
<b>03/14</b>	--	1 U	1 U	5 U	1.47	1 U	5 U	1.78	1 U	1 U
<b>09/14</b>	--	1 U	1 U	5 U	1.27	1 U	5 U	2.35	1 U	1 U
<b>03/15</b>	--	1 U	1 U	5 U	1.47	1 U	5 U	2.06	1 U	1 U
<b>09/15</b>	--	1 U	1 U	5 U	1.63	1 U	5 U	1.98	1 U	1 U
<b>03/16</b>	--	1 U	1 U	5 U	1.66	1 U	5 U	2.4	1 U	1 U
<b>08/16</b>	--	1 U	1 U	5 U	1.37	1 U	5 U	1.68	1 U	1 U
<b>03/17</b>	--	1 U	1 U	5 U	1.44	1 U	5 U	2.2	1 U	1 U
<b>09/17</b>	--	1 U	1 U	5 U	1.44	1 U	5 U	1.91	1 U	1 U
<b>03/18</b>	--	1 U	1 U	5 U	1.49	1 U	5 U	1.93	1 U	1 U
<b>09/18</b>	--	1 U	1 U	5 U	1.49	1 U	5 U	1.96	1 U	1 U
<b>04/19</b>	--	1 U	1 U	1 U	1.4	1 U	1 U	1.8	1 U	1 U
<b>08/19</b>	--	1 U	1 U	1 U	1.3	1 U	1 U	2.1	1 U	1 U
<b>03/20</b>	--	1 U	1 U	1 U	1.3	1 U	1 U	2.2	1 U	1 U
<b>07/20</b>	--	1 U	1 U	1 U	1.7	1 U	1 U	2.5	1 U	1 U
<b>03/21</b>	--	1 U	1 U	1 U	1.2	1 U	1 U	2.5	1 U	1 U
<b>08/21</b>	--	1 U	1 U	1 U	1.3	1 U	1 U	2.3	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

	MCL	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)
	80	100				5			2	10000
<b>04/22</b>	--	1 U	1 U	1 U	1.4	1 U	1 U	1.7	1 U	
<b>08/22</b>	--	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	2.3	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - General Parameters**

	Alkalinity (mg/L)		Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	NO <sub>3</sub> Nitrate (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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																					
04/01	--	--	--	352.894	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	--
09/01	--	--	--	304.601	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2	--
03/02	--	--	--	98.9558	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.64	--
09/02	--	--	--	320.171	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	--
06/03	--	--	--	337.724	--	--	--	--	--	--	--	0.028	--	--	--	--	--	0.01 U	--	2.6	--
10/03	--	--	--	--	--	--	--	--	--	--	--	0.0285	--	--	--	--	--	0.01 U	--	--	--
03/04	--	--	--	--	--	--	--	--	--	--	--	0.0184	--	--	--	--	--	0.01 U	--	--	--
09/04	--	--	--	--	--	--	--	--	--	--	--	0.0314	--	--	--	--	--	0.01 U	--	--	--
04/05	--	--	--	--	--	--	--	--	--	--	--	0.0188	--	--	--	--	--	0.01 U	--	--	--
09/05	--	--	--	--	--	--	--	--	--	--	--	0.0515	--	--	--	--	--	0.032	--	--	--
04/06	--	--	--	--	--	--	--	--	--	--	--	0.026	--	--	--	--	--	0.099	--	--	--
09/06	--	--	--	--	--	--	--	--	--	--	--	0.029	--	--	--	--	--	0.042	--	--	--
04/07	--	--	--	--	--	--	--	--	--	--	--	0.034	--	--	--	--	--	0.01 U	--	--	--
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
09/09	221	0.328	26.3	412	--	670	0.2 U	--	--	--	--	--	--	--	18.8	--	1348	--	--	1.07	--
09/10	255	0.514	29.8	424	--	680	0.2 U	--	--	--	--	--	--	--	28.4	--	1760	--	--	0.632	--
04/11	238	0.695	30.7	433	--	717	0.2 U	--	--	--	--	--	--	--	19.6 J	--	1428	--	--	0.421	--
09/11	242	0.673	29.2	416	--	705	0.2 U	--	--	--	--	--	--	--	22.3	--	1736	--	--	--	--
03/12	261	0.667	34.1	473	--	714	0.2 U	--	--	--	--	--	--	--	19.5	--	1632	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/12</b>	248	0.771	26.7	448	--	712	0.2 U	--	--	--	--	--	--	18.3	--	1432	--	--	--	--
<b>04/13</b>	244	0.733	31.3	449	0.02	730	0.2 U	380	6.22	--	--	2.022	--	16.1	15.09	1600	--	--	--	0
<b>09/13</b>	249	0.666	23.7	455	0.03	740	0.2 U	416	6.12	--	--	1737	--	21	16.12	1304	--	--	--	0
<b>03/14</b>	248	0.782	34.8	453	6.03	742	0.2 U	419	6.17	--	--	1742	--	22.8	15.03	1256	--	--	--	1.02
<b>09/14</b>	265	0.939	38	462	1.75	762	0.2 U	339	6.32	--	--	1840	--	27.9	15.83	1168	--	--	--	0
<b>03/15</b>	250	0.826	33.1	503	0	764	0.2 U	313	6.07	--	--	1685	--	20.2	15.14	1112	--	--	--	0.6
<b>09/15</b>	270	1.04	35	482	1.17	760	0.2 U	254	5.99	--	--	1881	--	17.9	16.38	1142	--	--	--	0
<b>03/16</b>	249	0.787	32	496	0	780	0.2 U	385	6.21	--	--	1835	--	21.6	14.76	1150	--	--	--	0
<b>08/16</b>	245	0.722	39.4	492	1.86	760	0.2 U	371	5.87	--	--	1857	--	19	17.02	1360	--	--	--	0
<b>03/17</b>	295	1.65	16.6	187	--	640	0.2 U	369	6.10	--	--	1823	--	9.87	17.87	524	--	--	--	0
<b>09/17</b>	237	0.379	34.4	497	--	760	0.2 U	398	6.04	--	--	1824	--	14.6	16.91	1210	--	--	--	0
<b>03/18</b>	229	0.519	45.4	527	--	930	0.2 U	220	6.09	--	--	1781	--	18.1	14.14	1320	--	--	--	0
<b>09/18</b>	243	0.6	36.4	529	--	814	0.2 U	191	5.80	--	--	1992	--	18.3	19	1100	--	--	--	6.4
<b>04/19</b>	264	0.8	47	530	0.07	745	B 1.3	137.9	5.89	6.21	--	2474	2070	25	15.3	1470	--	2.6 U	0.5 U	2
<b>08/19</b>	286	0.83	35.3	514	0.11	931	1.5	93	5.73	6.19	--	2.04	2080	21.9	16.8	1670	--	6 U	0.5 U	1.6
<b>03/20</b>	275	0.81	36.5	103	0.41	875	1.15	175.2	5.94	6.12	--	1989	2000	19.4	16.1	1390	--	2.3 U	0.5 U	1
<b>07/20</b>	277	0.88	45.1	497	0.53	821	0.2 U	-60	5.93	6.07	--	2028	2160	17.7	19.6	1220	--	2.3 U	0.5 U	1.4
<b>03/21</b>	268	0.72	35.7	524	0.13	748	0	-92.5	6.21	6.13	--	2199	2150	15.7	15.5	1460	--	5.7	3.16	1.99
<b>08/21</b>	288	0.97	49.4	539	0.75	886	0.011 U	50.4	6.06	6.08	--	2289	2160	16.9	23.9	1400	--	2.3 U	0.572	1.2
<b>04/22</b>	269	0.8 J	32.2	538	1.06	894	0.011 U	157.5	5.89	6.08	--	1948	2213	15.8	13.9	1280	--	5.7	2.67	4.26
<b>08/22</b>	295	0.73 J	47.9	538	0.27	935	0.011 U	148.4	5.78	6.14	--	2066.0	2233	15.6	18.7	1210	--	15.1	3.42	2.60

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0007 U	0.002 U	0.0315	0.0005 U	--	0.002 U	--	0.0103	0.0007 U	0.0262	--	0.0013 U	--	0.3618	0.0002 U	0.0113
09/01	0.002 U	0.002 U	0.1173	0.0017 U	--	0.002 U	--	0.0012 U	0.002 U	0.0114	--	0.0028	--	0.4653	0.0002	0.011
03/02	0.0005 U	0.0041	0.1226	0.0017 U	--	0.002 U	--	0.002 U	0.002 U	0.0069	--	0.002 U	--	0.3414	0.0001 U	0.0112
09/02	0.0007 U	0.0138	0.1375	0.0004 U	--	0.002 U	--	0.0028	0.002	0.0096	--	0.0039	--	0.366	0.0001 U	0.0123
06/03	0.0007 U	0.002 U	0.1795	0.0004 U	--	0.002 U	--	0.0005 U	0.002 U	0.0108	--	0.002 U	--	0.2437	0.0002 U	0.0114
10/03	0.0009 U	0.0008 U	0.1584	0.0016 U	--	0.0007 U	--	0.0005 U	0.002 U	0.01 U	--	0.002 U	--	0.4449	0.0002 U	0.009
03/04	0.0009 U	0.0008 U	0.1513	0.0016 U	--	0.0007 U	--	0.002 U	0.0005 U	0.01 U	--	0.002 U	--	0.215	0.0002 U	0.0093
09/04	0.0028 U	0.002 U	0.1513	0.0012 U	--	0.002 U	--	0.0007 U	0.002 U	0.0121	--	0.002 U	--	0.6462	0.0001 U	0.0112
04/05	0.0028 U	0.002 U	0.0797	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0157	--	0.0006 U	--	0.0306	0.0001 U	0.0064
09/05	0.0028 U	0.002 U	0.043	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0254	--	0.002 U	--	0.7021	0.0002	0.0146
04/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.0123	--	0.0027	--	0.1073	0.0001 U	0.0095
09/06	0.0007 U	0.002 U	0.2328	0.0009 U	--	0.0006 U	--	0.002 U	0.002 U	0.0316	--	0.0007 U	--	1.2	0.0002 U	0.0091
04/07	0.0007 U	0.002 U	0.2276	0.0009 U	0.2466	--	--	0.0007 U	0.002 U	0.0323	--	0.0007 U	--	--	0.0002 U	0.0105
10/07	0.0007 U	0.002 U	0.222	0.0009 U	0.2064	--	--	0.002 U	0.002 U	0.029	--	0.0007 U	--	--	0.0002 U	0.0102
03/08	0.0005 U	0.002 U	0.1991	0.001 U	0.1585	--	--	0.0008 U	0.0012 U	0.0088	--	0.001 U	--	--	0.0002 U	0.0106
09/08	0.001 U	0.004 U	0.2255	0.002 U	0.4 U	--	--	0.0016 U	0.0024 U	0.0087	--	0.004 U	--	--	0.0002 U	0.0118
03/09	0.001 U	0.01 U	0.2468	0.0012 U	0.1873	--	--	0.0007 U	0.0007 U	0.0311	--	0.01 U	--	--	0.0002 U	0.01 U
09/09	0.002 U	0.0034	0.261	0.002 U	--	0.002 U	154	0.002 U	0.0004 J	0.0344	0.343	0.002 U	75.1	1.32	0.0002 U	0.0137
07/10	0.001 U	0.0014	0.25	0.001 U	--	0.001 U	--	0.0005 J	0.0007 J	0.04	--	0.001 U	--	--	0.0003	0.011
09/10	0.005 U	0.0055	0.255	0.005 U	--	0.005 U	159	0.005 U	0.005 U	0.0418	1.2	0.005 U	81	1.84	0.0002 U	0.0145
04/11	0.005 U	0.005 U	0.264	0.005 U	--	0.005 U	154 J	0.005 U	0.005 U	0.0367	0.5 U	0.005 U	88.1	1.94	0.0002 U	0.0132
09/11	0.005 U	0.005 U	0.255	0.005 U	--	0.005 U	157	0.005 U	0.005 U	0.0314	0.92	0.005 U	89.1	2.03	0.0002 U	--
03/12	0.005 U	0.00907	0.281	0.005 U	--	0.005 U	173	0.005 U	0.005 U	0.0377	0.804	0.005 U	88.9	2.07	0.0002 U	0.0168
09/12	0.005 U	0.00857	0.247	0.005 U	--	0.005 U	157	0.005 U	0.005 U	0.0353	0.824	0.005 U	76.6	2.28	0.0002 U	0.0188
04/13	0.005 U	0.00926	0.274	0.005 U	--	0.005 U	151	0.005 U	0.005 U	0.0475	0.751	0.005 U	78.1	2.55	0.0002 U	0.0203

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.005 U	0.265	0.005 U	--	0.005 U	164	0.005 U	0.005 U	0.0354	0.729	0.005 U	82	2.59	0.0002 U	0.0128
<b>03/14</b>	0.005 U	0.00882	0.294	0.005 U	--	0.005 U	175	0.005 U	0.005 U	0.0382	0.921	0.005 U	88.3	2.63	0.0002 U	0.0174
<b>09/14</b>	0.005 U	0.005 U	0.291	0.005 U	--	0.005 U	169	0.005 U	0.005 U	0.0393	0.993	0.005 U	86.1	2.95	0.0002 U	0.0149
<b>03/15</b>	0.002 U	0.0079	0.28	0.002 U	--	0.004 U	180	0.01 U	0.01 U	0.036	0.005 U	0.002 U	89	2.6	0.0002 U	0.011 U
<b>09/15</b>	0.001 U	0.0054	0.28	0.001 U	--	0.0005 U	170	0.005 U	0.005 U	0.039	0.005 U	0.001 U	86	3.1	0.0002 U	0.011
<b>03/16</b>	0.002 U	0.00408	0.309	0.002 U	--	0.002 U	170	0.002 U	0.002 U	0.036	1	0.002 U	87.4	5.14	0.0002 U	0.0136
<b>08/16</b>	0.002 U	0.00423	0.294	0.002 U	--	0.002 U	165	0.002 U	0.002 U	0.0321	1.07	0.002 U	86.1	2.85	0.0002 U	0.0125
<b>03/17</b>	0.002 U	0.00384	0.478	0.002 U	--	0.002 U	77.2	0.00596	0.0575	0.0057	23.3	0.002 U	47.6	20.9	0.0002 U	0.0179
<b>09/17</b>	0.002 U	0.00365	0.315	0.002 U	--	0.002 U	170	0.00316	0.002 U	0.0278	1.03	0.002 U	91	2.62	0.0002 U	0.0124
<b>03/18</b>	0.002 U	0.00941	0.305	0.002 U	--	0.002 U	167	0.00738	0.002 U	0.0312	0.2 U	0.002 U	86.9	2.94	0.0002 U	0.0154
<b>09/18</b>	0.002 U	0.00685	0.307	0.002 U	--	0.002 U	178	0.00357	0.002 U	0.0488	0.05 U	0.002 U	89.8	3.03	0.0002 U	0.0167
<b>04/19</b>	0.001 U	0.001 U	0.289	0.001 U	--	0.001 U	171	0.001 U	0.001 U	0.04	0.1 U	0.001 U	91.3	3.8	0.0001 U	0.0148
<b>08/19</b>	0.001 U	0.001 U	0.272	0.001 U	--	0.001 U	179	0.0044	0.001 U	0.0391	0.1 U	0.001 U	118	4.14	0.0001 U	0.0164
<b>03/20</b>	0.001 U	0.001 U	0.309	0.001 U	--	0.001 U	163	0.00128	0.001 U	0.0411	0.0279	0.001 U	114	4.01	0.000119	0.0151
<b>07/20</b>	0.001 U	0.001 U	0.286	0.001 U	--	0.001 U	157	0.001 U	0.001 U	0.0381	0.0165	0.001 U	104	4.15	0.0001 U	0.014
<b>03/21</b>	0.001 U	0.001 U	0.294	0.001 U	--	0.001 U	148	0.00106	0.001 U	0.0281	0.121	0.001 U	92.1	3.58	0.0001 U	0.0107
<b>08/21</b>	0.001 U	0.001 U	0.305	0.001 U	--	0.001 U	173	0.001 U	0.00105	0.0216	0.0569	0.001 U	110	4.42	0.0001 U	0.0151
<b>04/22</b>	0.001 U	0.001 U	0.305	0.001 U	--	0.001 U	183	0.00176	0.00148	0.0522	0.0925	0.001 U	106	3.96	0.000303	0.0169
<b>08/22</b>	0.00100 U	0.00100 U	0.317	0.00100 U	--	0.00100 U	189	0.00193	0.00170	0.0528	0.191	0.00100 U	112	4.34	0.000185	0.0173

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

	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	0.05				0.002		
<b>04/01</b>	--	0.005 U	0.0052 U	--	0.0009 U	0.0006 U	--
<b>09/01</b>	--	0.0046	0.0044 U	--	0.0009 U	0.002 U	--
<b>03/02</b>	--	0.0148	0.0044 U	--	0.0009 U	0.0007 U	--
<b>09/02</b>	--	0.0384	0.0096 U	--	0.001 U	0.002 U	--
<b>06/03</b>	--	0.0045	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>	--	0.0033	0.0022 U	--	0.0004 U	0.002 U	--
<b>03/04</b>	--	0.003	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	--	0.0056	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	--	0.0024	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	--	0.0032	0.0018 U	--	0.0006 U	0.0004 U	--
<b>04/06</b>	--	0.0047	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	--	0.0033	0.0005 U	--	0.002 U	0.0007 U	--
<b>04/07</b>	--	0.0072	0.0005 U	--	0.0007 U	0.002 U	0.007
<b>10/07</b>	--	0.007	0.0005 U	--	0.0007 U	0.0007 U	0.0058
<b>03/08</b>	--	0.005	0.0008 U	--	0.0006 U	0.0006 U	0.0167
<b>09/08</b>	--	0.0058	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
<b>03/09</b>	--	0.01 U	0.0043 U	--	0.0008 U	0.01 U	0.0138
<b>09/09</b>	6.32	0.0167	0.002 U	71	0.002 U	0.0005 J	0.01 U
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.0026 J	0.016
<b>09/10</b>	6.45	0.0219	0.005 U	73.8	0.005 U	0.005 U	0.00779
<b>04/11</b>	7.29	0.0193	0.005 U	74.4	0.005 U	0.005 U	0.00828
<b>09/11</b>	7.18	0.0144	0.005 U	74.3	0.005 U	0.005 U	0.00744
<b>03/12</b>	7.03	0.032	0.005 U	73.3	0.005 U	0.005 U	0.00692
<b>09/12</b>	7.72	0.0321	0.005 U	63.2	0.005 U	0.005 U	0.00885
<b>04/13</b>	8.21	0.037	0.005 U	66.6	0.005 U	0.005 U	0.00793

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

	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	0.05	0.002					
<b>09/13</b>	7.21	0.0212	0.005 U	64.8	0.005 U	0.005 U	0.00797
<b>03/14</b>	7.74	0.0303	0.005 U	71.4	0.005 U	0.005 U	0.00999
<b>09/14</b>	7.71	0.0208	0.005 U	73.1	0.005 U	0.005 U	0.0109
<b>03/15</b>	7.4	0.027 J	0.01 U	65	0.002 U	0.01 U	0.0064 J
<b>09/15</b>	8.4	0.022	0.001 U	71	0.001 U	0.005 U	0.006
<b>03/16</b>	6.85	0.0195	0.002 U	69.3	0.001 U	0.002 U	0.00558
<b>08/16</b>	6.72	0.0174	0.002 U	68.1	0.001 U	0.002 U	0.00505
<b>03/17</b>	5.9	0.00491	0.002 U	40.6	0.001 U	0.002 U	0.0133
<b>09/17</b>	6.49	0.0163	0.002 U	70	0.001 U	0.002 U	0.00597
<b>03/18</b>	6.07	0.0291	0.002 U	66.4	0.001 U	0.00276	0.00596
<b>09/18</b>	6.62	0.0242	0.002 U	66.5	0.001 U	0.002 U	0.00957
<b>04/19</b>	6.86	0.001 U	0.001 U	77.1	0.001 U	0.001 U	0.00796 B
<b>08/19</b>	6.59	0.001 U	0.001 U	76.2	0.001 U	0.001 U	0.00755 B
<b>03/20</b>	7.41	0.001 U	0.001 U	83.8	0.001 U	0.001 U	0.00777
<b>07/20</b>	7.51	0.001 U	0.001 U	76.2	0.001 U	0.001 U	0.00406
<b>03/21</b>	6.72	0.001 U	0.001 U	68.6	0.001 U	0.001 U	0.00665
<b>08/21</b>	7.52	0.001 U	0.001 U	77.9	0.001 U	0.0011	0.004 U
<b>04/22</b>	7.24	0.001 U	0.001 U	75.2	0.001 U	0.001 U	0.0119
<b>08/22</b>	7.56	0.00100 U	0.00100 U	79.7	0.00100 U	0.00159 J	0.0124

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	75									
<b>04/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	1 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	0.15 U	--	1.39	0.2 U	0.18 U
<b>09/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
<b>03/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	1 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>09/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>06/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>10/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	1 U	0.2 U	1 U	1 U	1 U	1.98	0.72	1 U	--	0.15 U	--	1 U	0.2 U	0.18 U
<b>03/04</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	3.92	1 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>09/04</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>04/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	11.51	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>09/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1 U	10 U	1 U	0.19 U	--	0.39 U	--	1.33	0.34 U	0.31 U
<b>04/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	--	0.27 U	0.34 U	--	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>09/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1 U	10 U	1 U	0.19 U	--	0.39 U	--	1.65	0.34 U	0.31 U
<b>04/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1.7	0.34 U	0.31 U
<b>10/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1 U	10 U	1 U	0.19 U	--	0.39 U	--	1.85	0.34 U	0.31 U
<b>03/08</b>	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.5 U	0.12 U	0.19 U
<b>09/08</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.5 U	0.13 U	0.55 U	10 U	--	--	--	--	--	1.21	0.14 U	0.11 U
<b>03/09</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.5 U	0.66 U	10 U	--	--	--	--	--	1.68	0.14 U	0.11 U
<b>09/09</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 J	1 U	1 U	6.06	1 U	1 U	1 U	0.18 J	1 U	1.62	1 U	1 U
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	6	10 U	5 U	5 U	5 U	10 U	2	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.91	0.65 J	2 U	2 U	11.9	2 U	2.04	2 U	2 U
<b>04/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
		200		5	5	5	5	0.2	0.05	600	5	5	75						5		80	
09/11	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.37	1 U	1 U	5.9	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U
09/12	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 U	5.7	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.01	1 U	1.15	14.7	5 U	5 U	5 U	5 U	5 U	3.73	1 U	1 U
09/13	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 U	5.2	5 U	5 U	5 U	5 U	5 U	1.54	1 U	1 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	5.82	5 U	5 U	5 U	5 U	5 U	1.61	--	1 U
09/14	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 U	5.31	5 U	5 U	5 U	5 U	5 U	1.73	1 U	1 U
03/15	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 U	5.97	5 U	5 U	5 U	5 U	5 U	1.98	1 U	1 U
09/15	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 U	5.85	5 U	5 U	5 U	5 U	5 U	1.86	1 U	1 U
03/16	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 U	7.55	5 U	5 U	5 U	5 U	5 U	2.12	1 U	1 U
08/16	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 U	5.38	5 U	5 U	5 U	5 U	5 U	1.7	1 U	1 U
03/17	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1.77	1 U	1 U
09/17	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 U	6.46	5 U	5 U	5 U	5 U	5 U	1.68	1 U	1 U
03/18	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 U	6.9	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U
09/18	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 U	6.26	5 U	5 U	5 U	5 U	5 U	1.61	1 U	1 U
04/19	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 U	5.4	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U
08/19	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 U	6.1	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U
03/20	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 U	6	5 U	5 U	5 U	5 U	5 U	1.7	1 U	1 U
07/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	6.9	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U
03/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	6.3	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U
08/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	6.4	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	10.6	5 U	5 U	5 U	5 U	5 U	2.1	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	7.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.8	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	
80	80	100	5	100	80	80	70	80	700	10000	80	700	10000	80	5	10000	100	5	10000	100	5	1000
<b>04/01</b>	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	18.27	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.26	0.27 U	0.21 U	1.22	0.24 U	
<b>09/01</b>	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	0.26 U	0.28 U	0.17 U	--	0.22 U	2	0.27 U	0.21 U	1.91	0.24 U	
<b>03/02</b>	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	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	4.08	0.24 U	
<b>09/02</b>	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	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.33	0.24 U	
<b>06/03</b>	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	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.96	0.24 U	
<b>10/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	11.27	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	3.16	1 U	
<b>03/04</b>	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	1 U	3.94	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U	0.24 U	
<b>09/04</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	9.25	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.52	0.32 U	
<b>04/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.38	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U	
<b>09/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	18.27	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	2.53	0.18 U	0.25 U	1.15	1 U	
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.59	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U	
<b>09/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	1.11	0.31 U	0.27 U	0.25 U	18.58	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	1.48	0.18 U	0.25 U	2.23	0.32 U	
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	1.05	0.31 U	0.27 U	0.25 U	18.76	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	1.6	0.18 U	0.25 U	1.93	0.32 U	
<b>10/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	1.19	0.31 U	0.27 U	0.25 U	20.95	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	1.42	0.18 U	0.25 U	2.07	0.32 U	
<b>03/08</b>	0.12 U	0.5 U	--	0.13 U	0.5 U	0.1 U	0.21 U	0.15 U	6.45	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.65	0.28 U	
<b>09/08</b>	0.16 U	0.12 U	--	0.14 U	0.58	0.13 U	0.12 U	0.2 U	15.43	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	1.34	0.92	
<b>03/09</b>	0.16 U	0.5 U	--	0.14 U	0.92	0.13 U	0.5 U	0.2 U	18.92	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	1.42	0.11 U	0.11 U	1.99	0.12 U	
<b>09/09</b>	1 U	0.22 J	2.5 U	1 U	1.09	1 U	1 U	1 U	17	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1.93	1 U	1 U	1.25	1 U	
<b>07/10</b>	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	20	1 U	1 U	1 U	2 U	20 U	--	1 U	2	1 U	1 U	2	1 U	
<b>09/10</b>	2 U	2 U	5 U	2 U	0.9 J	2 U	2 U	2 U	8.32	2 U	2 U	2 U	4 U	2 U	2 U	2 U	1.03 J	2 U	2 U	0.7 J	2 U	
<b>04/11</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11	1 U	1 U	1 U	--	1 U	2 U	1 U	2	--	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
	80				5	100		80		70		80	700	10000				5	10000	100	5	1000
<b>09/11</b>	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 U	2 U	1 U	1 U	--	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	14	1 U	1 U	1 U	--	1 U	1 U	1 U	--	1 U	2	1 U	1 U
<b>09/12</b>	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	12.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/13</b>	1 U	1 U	5 U	1 U	2.85	1 U	1 U	1 U	1 U	27.7	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.48	1 U	1 U	3.93	1 U
<b>09/13</b>	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.73	1 U	1 U	1.24	1 U
<b>03/14</b>	1 U	1 U	5 U	1 U	1.38	1 U	1 U	1 U	1 U	12.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.65	1 U	1 U	1.63	1 U
<b>09/14</b>	1 U	1 U	5 U	1 U	1.39	1 U	1 U	1 U	1 U	12.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.66	1 U	1 U	1.39	1 U
<b>03/15</b>	1 U	1 U	5 U	1 U	1.56	1 U	1 U	1 U	1 U	13.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.06	1 U	1 U	1.59	1 U
<b>09/15</b>	1 U	1 U	5 U	1 U	1.53	1 U	1 U	1 U	1 U	13.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.8	1 U	1 U	1.45	1 U
<b>03/16</b>	1 U	1 U	5 U	1 U	1.7	1 U	1 U	1 U	1 U	15.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.13	1 U	1 U	1.83	1 U
<b>08/16</b>	1 U	1 U	5 U	1 U	1.3	1 U	1 U	1 U	1 U	13.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.8	1 U	1 U	1.27	1 U
<b>03/17</b>	1 U	1 U	5 U	1 U	1.33	1 U	1 U	1 U	1 U	14.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.96	1 U	1 U	1.36	1 U
<b>09/17</b>	1 U	1 U	5 U	1 U	1.66	1 U	1 U	1 U	1 U	13.7	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.03	1 U	1 U	1.35	1 U
<b>03/18</b>	1 U	1 U	5 U	1 U	1.66	1 U	1 U	1 U	1 U	14.7	1 U	1 U	1 U	2 U	5 U	5 U	1 U	2.05	1 U	1 U	1.53	1 U
<b>09/18</b>	1 U	1 U	5 U	1 U	1.44	1 U	1 U	1 U	1 U	12.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1.76	1 U	1 U	1.38	1 U
<b>04/19</b>	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	11.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1.3	1 U
<b>08/19</b>	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	13.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1.3	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	14.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3 B	1 U	1 U	1.4	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	16.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1.7	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	12.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U
<b>08/21</b>	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	13.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
<b>04/22</b>	80	1 U	1 U	1 U	5	1.9	1 U	1 U	1 U	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1.4	1 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	5	2.1	1.0 U	1.0 U	1.0 U	16.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5	1.0 U	1.0 U	1.5	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

	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	80	100			5			2	10000
04/01	--	1 U	0.13 U	0.14 U	1.89	0.18 U	--	--	--
09/01	--	1 U	0.13 U	0.14 U	1.59	0.18 U	--	--	--
03/02	--	1 U	0.13 U	0.14 U	2.7	0.18 U	--	--	--
09/02	--	0.22 U	0.13 U	0.14 U	1.15	0.18 U	--	--	--
06/03	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
10/03	--	1 U	0.13 U	0.14 U	1.55	0.18 U	--	0.66	--
03/04	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	0.05	--
09/04	--	0.45 U	0.24 U	0.3 U	1.88	0.36 U	--	1 U	--
04/05	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
09/05	--	0.45 U	0.24 U	0.3 U	1.71	0.36 U	--	1.57	--
04/06	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
09/06	--	1 U	0.24 U	0.3 U	2.19	0.36 U	--	1.33	--
04/07	--	1 U	0.24 U	0.3 U	1.82	0.36 U	--	1.23	--
10/07	--	1 U	0.24 U	0.3 U	2.12	0.36 U	--	1.7	--
03/08	0.01	0.22 U	0.08 U	--	0.92	0.07 U	--	0.22 U	--
09/08	0.04	0.5 U	0.13 U	--	1.4	0.1 U	--	0.81	--
03/09	0.22	0.5 U	0.13 U	--	1.82	0.1 U	--	1.47	--
09/09	--	0.47 J	1 U	1 U	1.66	1 U	--	1.53	--
07/10	--	1 U	1 U	5 U	2	1 U	1 U	2	--
09/10	--	2 U	2 U	2 U	1.08 J	2 U	2 U	2.16	--
04/11	--	1 U	1 U	5 U	1 U	1 U	--	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	2	10000
<b>09/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	--	1 U	1 U	5 U	1.6	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/13</b>	--	1 U	1 U	5 U	3.42	1 U	5 U	3.03	1 U	1 U
<b>09/13</b>	--	1 U	1 U	5 U	1.76	1 U	5 U	1.71	1 U	1 U
<b>03/14</b>	--	1 U	1 U	5 U	1.38	1 U	5 U	1.4	1 U	1 U
<b>09/14</b>	--	1 U	1 U	5 U	1.35	1 U	5 U	1.49	1 U	1 U
<b>03/15</b>	--	1 U	1 U	5 U	1.36	1 U	5 U	1.57	1 U	1 U
<b>09/15</b>	--	1 U	1 U	5 U	1.49	1 U	5 U	1.41	1 U	1 U
<b>03/16</b>	--	1 U	1 U	5 U	1.57	1 U	5 U	1.68	1 U	1 U
<b>08/16</b>	--	1 U	1 U	5 U	1.3	1 U	5 U	1.35	1 U	1 U
<b>03/17</b>	--	1 U	1 U	5 U	1.54	1 U	5 U	1.46	1 U	1 U
<b>09/17</b>	--	1 U	1 U	5 U	1.19	1 U	5 U	1.36	1 U	1 U
<b>03/18</b>	--	1 U	1 U	5 U	1.35	1 U	5 U	1.39	1 U	1 U
<b>09/18</b>	--	1 U	1 U	5 U	1.3	1 U	5 U	1.41	1 U	1 U
<b>04/19</b>	--	1 U	1 U	1 U	1.1	1 U	1 U	1.3	1 U	1 U
<b>08/19</b>	--	1 U	1 U	1 U	1.3	1 U	1 U	1.4	1 U	1 U
<b>03/20</b>	--	1 U	1 U	1 U	1.3	1 U	1 U	1.5	1 U	1 U
<b>07/20</b>	--	1 U	1 U	1 U	1.3	1 U	1 U	1.7	1 U	1 U
<b>03/21</b>	--	1 U	1 U	1 U	1.5	1 U	1 U	1.4	1 U	1 U
<b>08/21</b>	--	1 U	1 U	1 U	1.2	1 U	1 U	1.4	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

	MCL	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)
	80	100				5			2	10000
<b>04/22</b>	--	1 U	1 U	1 U	1.5	1 U	1 U	2.7	1 U	
<b>08/22</b>	--	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	1.4	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - General Parameters**

	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)		ORP, Field (mV)		pH, Field (SU)		pH, Lab (SU)		Phosphate (mg/L)		Specific Conductivity, Field (uS/cm)		Specific Conductivity, Lab (umhos/cm)		Sulfate, total (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																																								
04/01	--	--	--	348.938	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6	--	--	--	--	--			
09/01	--	--	--	301.123	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.4	--	--	--	--	--			
03/02	--	--	--	307.356	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.43	--	--	--	--	--				
09/02	--	--	--	312.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.1	--	--	--	--	--				
06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0283	--	--	--	--	--	--	--	0.01 U	--	1.7	--	--	--	--				
10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0225	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
03/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0247	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
09/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0283	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
04/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0169	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
09/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0271	--	--	--	--	--	--	--	0.029	--	--	--	--	--	--				
04/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.026	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
09/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.028	--	--	--	--	--	--	--	0.03	--	--	--	--	--	--				
04/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.03	--	--	--	--	--	--	--	0.01	--	--	--	--	--	--				
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.055	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--				
09/09	150	0.2 U	68	356	--	580	0.6869	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82.9	--	1116	--	--	--	21.7	--	--	--	--	--	--				
09/10	220	0.2 U	31.5	360	--	550	0.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81.7	--	1784	--	--	3329	--	--	--	--	--	--	--				
04/11	145	0.389	38.9	356	--	553	0.758	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	85.7	--	1192	--	--	3800	--	--	--	--	--	--	--				
09/11	156	0.2 U	32.9	350	--	552	0.786	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93.7	--	960	--	--	--	--	--	--	--	--	--	--				
03/12	175	0.2 U	44	383	--	582	0.708	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76.8	--	1156	--	--	--	--	--	--	--	--	--	--				

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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							10													
09/12	161	0.2 U	38.1	374	--	566	0.674	--	--	--	--	--	--	89.6	--	1224	--	--	--	--
03/13	178	0.2 U	43	382	0.06	582	0.554	450	6.03	--	--	1.247	--	86.5	12.53	1124	--	--	--	44.6
09/13	188	0.2 U	36.2	376	0.04	584	0.559	386	5.70	--	--	1537	--	101	13.48	1150	--	--	--	38.5
09/13	--	--	--	--	0.59	580	--	122.1	5.75	--	--	1.027	--	--	12.89	--	--	--	4.3	7.93
09/13	--	--	--	--	0.34	580	--	222.8	5.65	--	--	1.436	--	--	10.35	--	--	--	1.4	11.7
03/14	203	0.2 U	44.6	373	0.04	632	0.486	402	5.96	--	--	1567	--	89.8	12.92	982	--	--	--	206
09/14	182	0.2 U	41.5	365	1.21	584	0.609	356	5.94	--	--	1490	--	92.6	14.21	1034	--	--	--	58.9
03/15	197	0.2 U	43.2	372	0	586	0.59	350	6.31	--	--	313.4	--	89.9	12.58	970	--	--	--	35.5
09/15	220	0.2 U	48.4	365	--	572	0.535	292	5.87	--	--	1618	--	102	15.65	913	--	--	--	36.4
03/16	231	0.2 U	29.5	382	0	576	0.41	381	6.24	--	--	1625	--	99.3	14.11	979	--	--	--	20.1
08/16	244	0.2 U	43.3	384	--	560	0.364	373	6.07	--	--	1670	--	102	18.31	1080	--	--	--	66.9
03/17	296	0.2 U	42.2	376	--	592	0.288	383	6.00	--	--	1615	--	91.5	13.58	919	--	--	--	40.1
09/17	275	0.2 U	48.2	352	0.98	670	0.26	408	6.12	--	--	1803	--	99.4	13.81	1020	--	--	--	29.6
04/18	283	0.2 U	58	381	--	588	0.2 U	211	6.00	--	--	1668	--	74.2	12.31	1010	--	--	--	38.9
09/18	294	0.2 U	49.2	379	--	307	0.2 U	213	5.94	--	--	1832	--	82.7	24.36	1110	--	--	--	149.8
04/19	289	0.1 U	51.9	358	0.77	600	0.2 U	132.8	6.01	6.14	--	2099	1760	99.6	14	1140	--	22.3	9.11	29.9
07/19	213	0.1 U	55	344	0.73	586	0.2 U	199.9	5.91	6.14	--	1479	1720	124	14.6	1150	--	16.3	8.59	9.7
03/20	308	0.1 U	44.4	383	0.47	554	0.33	178.5	5.97	6.23	--	1618	1770	114	14.3	1040	--	21.2	11.4	11.4
07/20	298	0.1 U	53.5	345	1.16	584	0.22	171.9	5.85	6.11	--	1531	1840	96.2	16.4	1060	--	105	21.1	58.1
03/21	317	0.1 U	42.7	359	0.46	544	0.203	201.2	6.01	6.24	--	1581	1860	106	13.9	1020	--	33.9	6.75	31.7
09/21	332	0.05 U	57.7	350	0.78	573	0.168	185.9	6.15	6.14	--	1589	1820	102	15.3	1040	--	250	38.9	64.2

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																				
<b>03/22</b>	334	0.04 J	42.5	337	1.32	632	0.131 J	145.6	5.98	6.20	--	1500	1825	99.6	11.4	1020	--	138	73.5	75.13
<b>08/22</b>	351	0.04 J	50.7	329	0.41	657	0.154	113	5.88	6.23	--	1581.0	1805	97.1	16.6	1030	--	122	54.8	59.70

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0005 U	0.002 U	0.1469	0.0017 U	--	0.002 U	--	0.0037	0.0026	0.0085	--	0.002 U	--	0.1843	0.0002 U	0.01 U
09/01	0.002 U	0.002	0.1568	0.0017 U	--	0.002 U	--	0.0012 U	0.003	0.0089	--	0.002 U	--	0.2101	0.0002 U	0.01
03/02	0.0005 U	0.0038	0.1545	0.0017 U	--	0.002 U	--	0.002 U	0.0029	0.0082	--	0.002 U	--	0.1974	0.0002	0.0102
09/02	0.0007 U	0.0125	0.1651	0.0004 U	--	0.002	--	0.0043	0.0032	0.0098	--	0.0023	--	0.1885	0.0002	0.0117
06/03	0.0014 U	0.004 U	0.212	0.0008 U	--	0.004 U	--	0.001 U	0.0045	0.0094	--	0.004 U	--	0.352	0.0002	0.0141
10/03	0.0009 U	0.002 U	0.1657	0.0016 U	--	0.0007 U	--	0.0005 U	0.0032	0.01 U	--	0.002 U	--	0.2544	0.0002 U	0.0086
03/04	0.0009 U	0.002 U	0.1792	0.0016 U	--	0.0007 U	--	0.0005 U	0.0043	0.01 U	--	0.002 U	--	0.2995	0.0002	0.0111
09/04	0.0028 U	0.002 U	0.1979	0.0012 U	--	0.002 U	--	0.002 U	0.0043	0.0125	--	0.002 U	--	0.3857	0.0002	0.0118
04/05	0.0028 U	0.002 U	0.2335	0.0012 U	--	0.002 U	--	0.002 U	0.0039	0.0138	--	0.0006 U	--	0.3813	0.0002	0.0106
09/05	0.0033	0.002 U	0.1901	0.0012 U	--	0.002 U	--	0.002 U	0.005	0.0204	--	0.0028	--	0.4155	0.0002	0.0126
04/06	0.0012 U	0.004 U	0.2245	0.0014 U	--	0.004 U	--	0.004 U	0.0047	0.0082	--	0.002	--	0.4181	0.0002	0.0138
09/06	0.0007 U	0.003	0.2017	0.0009 U	--	0.002 U	--	0.0104	0.0063	0.0192	--	0.0048	--	0.4954	0.0002	0.0204
04/07	0.0034	0.0027	0.195	0.0009 U	0.0269	--	--	0.002 U	0.0049	0.0083	--	0.002 U	--	--	0.0002	0.0139
10/07	0.007 U	0.008 U	0.4262	0.009 U	0.2 U	--	--	0.0768	0.0251	0.1077	--	0.0491	--	--	0.0005	0.0805
03/08	0.0005 U	0.0027	0.1607	0.001 U	0.0665	--	--	0.002 U	0.0052	0.0096	--	0.002 U	--	--	0.0003	0.0129
09/08	0.001 U	0.004 U	0.17	0.002 U	0.0781	--	--	0.0016 U	0.0052	0.0101	--	0.004 U	--	--	0.0002	0.0129
03/09	0.001 U	0.01 U	0.1941	0.0012 U	0.1325	--	--	0.0127	0.01 U	0.0117	--	0.01 U	--	--	0.0002	0.02
09/09	0.002 U	0.0032	0.196	0.002 U	--	0.002 U	148	0.0021	0.0059	0.0116	1.7	0.002 U	56.6	0.482	0.0002	0.0166
07/10	0.001 U	0.0037	0.22	0.0008 J	--	0.001 U	--	0.025	0.0094	0.043	--	0.015	--	--	0.0019	0.029
09/10	0.005 U	0.0067	0.507	0.005 U	--	0.005 U	126	0.127	0.0326	0.207	111	0.0503	78.8	1.57	0.00149	0.131
04/11	0.005 U	0.005 U	0.536	0.005 U	--	0.005 U	145 J	0.0199	0.0101	0.0444	15.5	0.0474	63	0.862	0.00852	0.0245
09/11	0.005 U	0.005 U	0.195	0.005 U	--	0.005 U	137.5	0.005 U	0.005 U	0.00681	1.05	0.005 U	55.9	0.487	0.00087	--
03/12	0.005 U	0.005 U	0.221	0.005 U	--	0.005 U	142	0.0133	0.00694	0.0309	12.2	0.0081	61.3	0.592	0.00054	0.0128
09/12	0.005 U	0.005 U	0.19	0.005 U	--	0.005 U	148	0.00631	0.00655	0.015	5.07	0.005 U	61.1	0.589	0.000407	0.0126
03/13	0.005 U	0.005 U	0.196	0.005 U	--	0.005 U	135	0.005 U	0.005 U	0.0158	1.17	0.005 U	55.3	0.496	0.0002 U	0.0121

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.005 U	0.18	0.005 U	--	0.005 U	136	0.005 U	0.005 U	0.00908	1.4	0.005 U	54.7	0.481	0.0002 U	0.0112
<b>09/13</b>	0.005 U	0.00062 J	0.18	0.001 U	--	0.001 U	140	0.001 U	0.0051	0.0036	10 U	0.001 U	55	0.56	0.00012 J	--
<b>09/13</b>	0.005 U	0.001 U	0.17	0.001 U	--	0.001 U	140	0.001 U	0.0052	0.0033	0.13	0.001 U	57	0.52	0.00015 J	--
<b>03/14</b>	0.005 U	0.005 U	0.205	0.005 U	--	0.005 U	146	0.00725	0.00565	0.0164	7.3	0.005 U	61.9	0.557	0.00051	0.0151
<b>09/14</b>	0.005 U	0.005 U	0.193	0.005 U	--	0.005 U	130	0.005 U	0.005 U	0.0106	2.69	0.005 U	55.5	0.494	0.0002 U	0.0129
<b>03/15</b>	0.002 U	0.0047	0.17	0.002 U	--	0.004 U	140	0.01 U	0.01 U	0.0051 J	0.64	0.002 U	55	0.47	0.0002 U	0.014
<b>09/15</b>	0.001 U	0.0059	0.17	0.001 U	--	0.0005 U	140	0.005 U	0.005 J	0.005 U	1.5	0.001 U	58	0.58	0.00023	0.01 U
<b>03/16</b>	0.002 U	0.0027	0.193	0.002 U	--	0.002 U	90.8	0.00274	0.00464	0.00498	1.04	0.002 U	56.2	0.568	0.0002 U	0.0104
<b>08/16</b>	0.005 U	0.005 U	0.199	0.005 U	--	0.005 U	136	0.005 U	0.005 U	0.00751	1.75	0.005 U	56.7	0.558	0.0002 U	0.0112
<b>03/17</b>	0.005 U	0.005 U	0.195	0.005 U	--	0.005 U	148	0.005 U	0.0053	0.0138	1.87	0.005 U	60.5	0.582	0.0002 U	0.0163
<b>09/17</b>	0.005 U	0.005 U	0.201	0.005 U	--	0.005 U	144	0.005 U	0.00506	0.0111	3.81	0.005 U	59	0.677	0.0002 U	0.013
<b>04/18</b>	0.005 U	0.00503	0.193	0.005 U	--	0.005 U	141	0.005 U	0.005 U	0.00612	1.07	0.005 U	57.1	0.497	0.0002 U	0.0122
<b>09/18</b>	0.005 U	0.00563	0.202	0.005 U	--	0.005 U	73.2	0.00652	0.00569	0.0253	3.63	0.005 U	30.2	0.627	0.000224	0.0202
<b>04/19</b>	0.001 U	0.001 U	0.171	0.001 U	--	0.001 U	127	0.00529	0.00476	0.00665	0.836	0.001 U	68.6	0.608	0.000252	0.0125
<b>07/19</b>	0.001 U	0.001 U	0.172	0.001 U	--	0.001 U	132 B	0.00431	0.00467	0.0147	0.741	0.001 U	62.4	0.626	0.000148	0.0112
<b>03/20</b>	0.001 U	0.001 U	0.176	0.001 U	--	0.001 U	136	0.00279	0.00483	0.00696	1.4	0.001 U	60.4	0.633	0.000227	0.011
<b>07/20</b>	0.001 U	0.001 U	0.181	0.001 U	--	0.001 U	127	0.00693	0.00523	0.00739	1.63	0.00105	65.1	0.672	0.000379	0.013
<b>03/21</b>	0.001 U	0.001 U	0.164	0.001 U	--	0.001 U	120	0.00205	0.00441	0.00734	1.27	0.001 U	59.1	0.588	0.000326	0.00912
<b>09/21</b>	0.001 U	0.001 U	0.186	0.001 U	--	0.001 U	127	0.0122	0.00531	0.00957	3.98	0.00221	61.8	0.673	0.000594	0.0171
<b>03/22</b>	0.001 U	0.001 U	0.179	0.001 U	--	0.001 U	149	0.00291 J	0.00473 J	0.00731 J	0.674	0.00215	63.1	0.65	0.000612	0.00975 J
<b>08/22</b>	0.00100 U	0.00100 U	0.189	0.00100 U	--	0.00100 U	148	0.00758 J	0.00482 J	0.00704 J	0.565	0.00149 J	70	0.615	0.000640	0.0146

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

	MCL	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)
		0.05				0.002		
<b>04/01</b>	--	0.0035	0.0044 U	--	0.0009 U	0.0007 U	--	
<b>09/01</b>	--	0.007	0.0044 U	--	0.0009 U	0.0007 U	--	
<b>03/02</b>	--	0.0123	0.0044 U	--	0.0009 U	0.0007 U	--	
<b>09/02</b>	--	0.0367	0.0096 U	--	0.001 U	0.002 U	--	
<b>06/03</b>	--	0.0087	0.0192 U	--	0.002 U	0.0006 U	--	
<b>10/03</b>	--	0.0041	0.0022 U	--	0.0004 U	0.0004 U	--	
<b>03/04</b>	--	0.005	0.0022 U	--	0.0004 U	0.0004 U	--	
<b>09/04</b>	--	0.0061	0.0018 U	--	0.0006 U	0.002 U	--	
<b>04/05</b>	--	0.006	0.0018 U	--	0.0006 U	0.0004 U	--	
<b>09/05</b>	--	0.0049	0.02 U	--	0.0006 U	0.002 U	--	
<b>04/06</b>	--	0.0118	0.0008 U	--	0.0008 U	0.0008 U	--	
<b>09/06</b>	--	0.0088	--	--	0.0007 U	0.0069	--	
<b>04/07</b>	--	0.0094	0.0005 U	--	0.0007 U	0.0007 U	0.036	
<b>10/07</b>	--	0.02 U	0.005 U	--	0.007 U	0.0724	0.2789	
<b>03/08</b>	--	0.0095	0.002 U	--	0.0006 U	0.0006 U	0.031	
<b>09/08</b>	--	0.0088	0.0016 U	--	0.0012 U	0.0012 U	0.0321	
<b>03/09</b>	--	0.01 U	0.0043 U	--	0.0008 U	0.01 U	0.0414	
<b>09/09</b>	4.82	0.0147	0.002 U	83.3	0.002 U	0.001 J	0.0321	
<b>07/10</b>	--	0.001 U	0.0027	--	0.001 U	0.025	0.089	
<b>09/10</b>	28.8	0.023	0.005 U	70.4	0.005 U	0.133	0.372	
<b>04/11</b>	6.2	0.0201	0.005 U	80.3	0.005 U	0.0213	0.0997	
<b>09/11</b>	4.72	0.0122	0.005 U	81	0.005 U	0.005 U	0.0213	
<b>03/12</b>	7.39	0.0121	0.005 U	94.3	0.005 U	0.0148	0.0545	
<b>09/12</b>	5.52	0.0151	0.005 U	88.7	0.005 U	0.005 U	0.0385	
<b>03/13</b>	6.2	0.0169	0.005 U	92.2	0.005 U	0.005 U	0.021	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

	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		0.05			0.002		
<b>09/13</b>	4.75	0.0124	0.005 U	87.3	0.005 U	0.005 U	0.0208
<b>09/13</b>	4.3	0.001 U	0.001 U	95	0.001 U	0.005 U	2 U
<b>09/13</b>	3.9	0.001 U	0.001 U	98	0.001 U	0.005 U	0.019 J
<b>03/14</b>	5.57	0.0117	0.005 U	105	0.005 U	0.00736	0.0357
<b>09/14</b>	4.68	0.0134	0.005 U	91	0.005 U	0.005 U	0.0283
<b>03/15</b>	4.4	0.014 J	0.01 U	100	0.002 U	0.01 U	0.019
<b>09/15</b>	5.1	0.017	0.001 U	110	0.001 U	0.005 U	0.022
<b>03/16</b>	4.13	0.0121	0.000174	125	0.001 U	0.002 U	0.0128
<b>08/16</b>	4.35	0.0107	0.005 U	108	0.005 U	0.005 U	0.0162
<b>03/17</b>	4.39	0.0211	0.005 U	124	0.005 U	0.00501	0.0194
<b>09/17</b>	4.89	0.00848	0.005 U	120	0.005 U	0.005 U	0.0655
<b>04/18</b>	4.69	0.0131	0.005 U	124	0.005 U	0.005 U	0.027
<b>09/18</b>	4.83	0.0231	0.005 U	66.8	0.005 U	0.005 U	0.0411
<b>04/19</b>	4.5	0.001 U	0.001 U	155	0.001 U	0.00105	0.0205
<b>07/19</b>	4.2	0.001 U	0.001 U	139 B	0.001 U	0.001 U	0.0156
<b>03/20</b>	4.52	0.001 U	0.001 U	158	0.001 U	0.00141	0.0182
<b>07/20</b>	4.83	0.001 U	0.001 U	145	0.001 U	0.00169	0.0192
<b>03/21</b>	4.43	0.001 U	0.001 U	132	0.001 U	0.00157	0.0258
<b>09/21</b>	5.14	0.001 U	0.00156	138	0.001 U	0.00384	0.031
<b>03/22</b>	5.44	0.00126 J	0.001 U	146	0.001 U	0.00114 J	0.0149
<b>08/22</b>	5.09	0.00109 J	0.00100 U	159	0.00100 U	0.00100 U	0.0157

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	75									
04/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
09/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	1 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	1 U	0.17 U	0.21 U	1.46	0.69	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	0.19	1 U	--	0.15 U	--	1 U	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	1 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	11 U	0.27 U	0.34 U	11 U	1.37	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	10 U	0.18 U	0.17 U	1.03	--	--	--	--	--	0.24 U	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.5 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.5 U	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.5 U	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.43	1 U	1 U	1 U	0.3 J	1 U	1 U	1 U	1 U
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.93 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
09/11	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
03/12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
09/12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
03/13	100	100	100	100	100	100	100	100	100	100	100	100	100	1.66	50	50	50	50	50	100	100	100
09/13	100	100	100	100	100	100	100	100	100	100	100	100	100	1.21	50	50	50	50	50	100	100	100
03/14	100	100	100	100	100	100	100	100	100	100	100	100	100	1.42	50	50	50	50	50	100	100	100
09/14	100	100	100	100	100	100	100	100	100	100	100	100	100	1.26	50	50	50	50	50	100	100	100
03/15	100	100	100	100	100	100	100	100	100	100	100	100	100	1.35	50	50	50	50	50	100	100	100
09/15	100	100	100	100	100	100	100	100	100	100	100	100	100	1.12	50	50	50	50	50	100	100	100
03/16	100	100	100	100	100	100	100	100	100	100	100	100	100	1.33	50	50	50	50	50	100	100	100
08/16	100	100	100	100	100	100	100	100	100	100	100	100	100	1.29	50	50	50	50	50	100	100	100
03/17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
09/17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
04/18	100	100	100	100	100	100	100	100	100	100	100	100	100	1.32	50	50	50	50	50	100	100	100
09/18	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
04/19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
07/19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100	100
03/20	100	100	100	100	100	100	100	100	100	100	100	100	100	1.1	50	50	50	50	50	100	100	100
07/20	100	100	100	100	100	100	100	100	0.047	0.019	100	100	100	100	50	50	50	50	50	100	100	100
03/21	100	100	100	100	100	100	100	100	0.047	0.019	100	100	100	100	50	50	50	50	50	100	100	100
09/21	100	100	100	100	100	100	100	100	0.047	0.019	100	100	100	1.1	50	50	50	50	50	100	100	100

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80	100	5	100	80	80	70	80	700	10000	80	700	10000	80	80	80	5	10000	100	5	
04/01	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	3.45	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	1 U	1 U	0.27 U	0.21 U	1
09/01	0.14 U	1 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	0.26 U	0.28 U	0.17 U	--	1 U	2.91	0.27 U	0.21 U	1.23
03/02	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	0.26 U	0.28 U	0.17 U	--	1 U	1 U	0.27 U	0.21 U	1.52
09/02	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	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	1 U
06/03	0.14 U	0.15 U	1.22	0.15 U	1 U	0.2 U	0.23 U	0.21 U	2.87	0.19 U	--	0.17 U	0.26 U	1 U	0.17 U	--	1 U	1 U	0.27 U	0.21 U	1.81
10/03	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	3.03	0.19 U	--	0.17 U	0.26 U	1 U	0.17 U	--	1 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	0.14 U	0.15 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	2.59	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	1 U	1 U	0.27 U	0.21 U	1 U
09/04	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.01	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	1 U	0.34 U	0.18 U	0.25 U	0.36 U
04/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
09/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.17	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/06	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	2.77	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	1 U	1 U	0.18 U	0.25 U	1.11
04/07	0.27 U	1 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.65	0.29 U	--	0.27 U	1 U	2 U	1 U	--	0.25 U	1 U	1 U	0.25 U	1.15
10/07	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	2.92	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	1 U	1 U	0.18 U	0.25 U	1 U
03/08	0.12 U	0.5 U	--	0.13 U	0.5 U	0.1 U	0.21 U	0.15 U	2.31	0.13 U	--	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.5 U	0.22 U	0.2 U	0.2 U
09/08	0.16 U	0.12 U	--	0.14 U	0.52	0.13 U	0.12 U	0.2 U	2.39	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.5 U	0.11 U	0.11 U	0.7
03/09	0.16 U	0.5 U	--	0.14 U	0.72	0.13 U	0.12 U	0.2 U	2.55	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.5 U	0.11 U	0.11 U	0.9
09/09	1 U	1 U	2.5 U	1 U	0.75 J	1 U	1 U	1 U	2.12	1 U	--	1 U	1 U	2 U	1 U	1 U	1 U	0.4 J	1 U	1 U	0.6 J
07/10	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	0.6 J
09/10	2 U	2 U	5 U	2 U	0.56 J	2 U	2 U	0.91 J	1.64 J	2 U	--	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	2 U	1 U	1 U	--	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

	MCL	80		5	100		80		20		80	700	10000			5	10000	100	5			
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/11		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 U	1 U	1 U	--	1 U	1 U	
03/12		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	--	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	
09/12		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/13		1 U	1 U	5 U	1 U	1.4	1 U	1 U	1.65	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.16	
09/13		1 U	1 U	5 U	1 U	1.21	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/14		1 U	1 U	5 U	1 U	1.41	1 U	1 U	1.39	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/14		1 U	1 U	5 U	1 U	1.05	1 U	1 U	1.28	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/15		1 U	1 U	5 U	1 U	1.3	1 U	1 U	1.21	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/15		1 U	1 U	5 U	1 U	1.3	1 U	1 U	1.21	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/16		1 U	1 U	5 U	1 U	1.61	1 U	1 U	1.34	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
08/16		1 U	1 U	5 U	1 U	1.48	1 U	1 U	1.12	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
03/17		1 U	1 U	5 U	1 U	1.77	1 U	1 U	1.26	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/17		1 U	1 U	5 U	1 U	1.55	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
04/18		1 U	1 U	5 U	1 U	1.78	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
09/18		1 U	1 U	5 U	1 U	1.11	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
04/19		1 U	1 U	1 U	1 U	1.3	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 U	1 U	
07/19		1 U	1 U	1 U	1 U	1.2	1 U	1 U	1.3	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
03/20		1 U	1 U	1 U	1 U	1.4	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 U	1 U	
07/20		1 U	1 U	1 U	1 U	1.4	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 U	1 U	
03/21		1 U	1 U	1 U	1 U	1.5	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 U	1 U	
09/21		1 U	1 U	1 U	1 U	1.5	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 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/22</b>	80	1 U	1 U	1 U	1 U	1.6	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 U	1 U	1 U	1 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>09/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>03/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>09/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>06/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>10/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	0.17	--	--	--
<b>03/04</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U--	0.09	--	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U--	0.32 U--	0.32 U--	0.32 U--	0.32 U--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	0.32 U--	0.32 U--	0.32 U--	0.32 U--
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U--	0.32 U--	0.32 U--	0.32 U--	0.32 U--
<b>04/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	0.32 U--	0.32 U--	0.32 U--	0.32 U--
<b>09/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U--	0.32 U--	0.32 U--	0.32 U--	0.32 U--
<b>04/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U--	0.32 U--	0.32 U--	0.32 U--	0.32 U--
<b>10/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U--	0.32 U--	0.32 U--	0.32 U--	0.32 U--
<b>03/08</b>	0.28 U	0.03	0.22 U	0.08 U--	0.5 U	0.07 U--	0.22 U--	0.22 U--	0.22 U--	0.22 U--
<b>09/08</b>	0.12 U	0.04	0.14 U	0.13 U--	0.5 U	0.1 U--	0.18 U--	0.18 U--	0.18 U--	0.18 U--
<b>03/09</b>	0.12 U	0.02	0.14 U	0.13 U--	0.53	0.1 U--	0.18 U--	0.18 U--	0.18 U--	0.18 U--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	0.46 J	1 U	--	1 U	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

	MCL	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)
	1000	80	100				5			2	10000
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>08/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1.37	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

	MCL	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)
	1000		80	100			5			2	10000
<b>03/22</b>		1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>04/01</b>	--	--	--	94.1521	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.3	--
<b>09/01</b>	--	--	--	87.0069	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.95	--
<b>03/02</b>	--	--	--	96.7173	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.28	--
<b>09/02</b>	--	--	--	89.1421	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4	--
<b>06/03</b>	--	--	--	102.952	--	--	--	--	--	--	0.0161	--	--	--	--	--	0.068	--	5.2	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0126	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0298	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.043	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0413	--	--	--	--	--	0.051	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.024	--	--	--	--	--	0.029	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.038	--	--	--	--	--	0.056	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.048	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	0.049	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	124	0.2 U	17.8	235	--	420	0.8907	--	--	--	--	--	--	22.4	--	784	--	--	0.317	--
<b>09/10</b>	115	0.2 U	9.7 J	205	--	350	0.9	--	--	--	--	--	--	21.6	--	1176	--	--	1.55	--
<b>04/11</b>	112	0.2 U	16.5	216	--	390	0.902	--	--	--	--	--	--	22.6 J	--	796	--	--	0.579	--
<b>09/11</b>	115	0.2 U	10	246	--	424	0.891	--	--	--	--	--	--	28	--	872	--	--	--	--
<b>03/12</b>	122	0.2 U	16.9	244	--	408	0.97	--	--	--	--	--	--	24.3	--	748	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/12</b>	119	0.2 U	15	265	--	436	0.97	--	--	--	--	--	--	24.6	--	856	--	--	--	--
<b>03/13</b>	112	0.2 U	17.3	255	0.05	420	1	418	6.05	--	--	1.157	--	27.5	12.29	718	--	--	--	0
<b>09/13</b>	120	0.2 U	12.8	268	0.05	448	1	352	5.70	--	--	1016	--	31	14.4	774	--	--	--	0.75
<b>03/14</b>	118	0.2 U	18.2	260	0.06	450	0.97	439	5.94	--	--	996.9	--	30.6	12.07	590	--	--	--	0.99
<b>09/14</b>	114	0.2 U	21.3	240	1.82	416	0.942	355	6.05	--	--	909	--	28.4	14.17	752	--	--	--	0
<b>03/15</b>	119	0.2 U	16.6	254	0	434	1.01	361	6.34	--	--	856.8	--	29.7	15.21	606	--	--	--	0
<b>09/15</b>	120	0.2 U	20.2	272	0.61	436	1.03	315	5.77	--	--	1014	--	35.5	13.6	583	--	--	--	0
<b>03/16</b>	70	0.2 U	10 U	136	2.55	252	0.364	363	6.04	--	--	515.1	--	5.65	10.38	422	--	--	--	2.5
<b>08/16</b>	77	0.2 U	10 U	132	1.66	226	0.343	377	5.95	--	--	546	--	5.18	21.82	428	--	--	--	0
<b>03/17</b>	153	0.2 U	20.3	298	--	240	0.9337	412	5.81	--	--	1129	--	42.4	12.77	624	--	--	--	0
<b>09/17</b>	139	0.2 U	17.8	282	0.43	532	0.962	423	5.95	--	--	1255	--	48	13.61	837	--	--	--	0.9
<b>04/18</b>	101	0.2 U	14.7	205	--	350	0.57	227	5.88	--	--	626.2	--	20.7	12.58	464	--	--	--	2.1
<b>09/18</b>	74.5	0.2 U	10.5	151	--	253	0.435	224	5.77	--	--	625	--	5.9	20.89	377	--	--	--	0
<b>04/19</b>	122	0.1 U	25.2	239	1.67	411	0.2 U	180.4	5.69	5.98	--	542	1050	40.7	12.8	771	--	2.6 U	1.09	2.3
<b>07/19</b>	110	0.1 U	20.6	210	1.33	318	1.5	199.9	5.71	5.99	--	526	938	31.5	13.5	775	--	2.3 U	0.645	0
<b>03/20</b>	98.2	0.1 U	18.3	189	2.6	407	1.47	223	5.85	6.15	--	557	817	20.9	12.6	539	--	2.5 U	0.5 U	0
<b>07/20</b>	68	0.1 U	15.5	142	1.56	226	0.53	216.4	5.75	5.90	--	574	643	7.13	18.5	407	--	6.9	2.01	2.7
<b>03/21</b>	83	0.1 U	6.2	150	1.9	229	0.558	229.1	5.88	6.11	--	564	675	8.2	12.7	356	--	2.2 J	0.607	0.76
<b>09/21</b>	150	0.05 U	25.8	266	0.9	478	1	146.6	6.07	6.03	--	1008	1200	46.6	14	664	--	3.8	0.5 U	1.8
<b>03/22</b>	151	0.02 J	17.7	270	1.9	519	0.972 J	155.2	5.87	6.04	--	914	1255	48.2	8.2	698	--	33.6	4.74	4.97
<b>08/22</b>	125	0.03 J	17.3	162	0.58	309	0.579	171	5.89	6.17	--	662.0	778.5	8.9	15.2	476	--	12.5	5.64	7.00

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
04/01	0.0007 U	0.002 U	0.034	0.0005 U	--	0.002 U	--	0.002 U	0.002 U	0.0183	--	0.002 U	--	0.317	0.0017
09/01	0.002 U	0.0007 U	0.0482	0.0017 U	--	0.002 U	--	0.002 U	0.0029	0.0149	--	0.0024	--	0.8154	0.0023
03/02	0.0005 U	0.002 U	0.0415	0.0017 U	--	0.002 U	--	0.002 U	0.002 U	0.0099	--	0.002 U	--	0.2752	0.0011
09/02	0.0007 U	0.0036	0.0377	0.0004 U	--	0.002 U	--	0.0074	0.0041	0.0152	--	0.002 U	--	1.076	0.0025
06/03	0.0007 U	0.002 U	0.0438	0.0004 U	--	0.002 U	--	0.002 U	0.002 U	0.0086	--	0.002 U	--	0.1699	0.0006
10/03	0.0009 U	0.0008 U	0.0469	0.0016 U	--	0.002 U	--	0.002 U	0.002 U	0.01 U	--	0.002 U	--	0.0904	0.0003
03/04	0.0009 U	0.0008 U	0.0439	0.0016 U	--	0.002 U	--	0.002 U	0.002 U	0.01 U	--	0.002 U	--	0.3046	0.0004
09/04	0.0028 U	0.0006 U	0.0248	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0153	--	0.002 U	--	0.0437	0.0003
04/05	0.0028 U	0.0006 U	0.0529	0.0012 U	--	0.0003 U	--	0.002 U	0.0005 U	0.0138	--	0.0006 U	--	0.0237	0.0003
09/05	0.0028 U	0.0006 U	0.027	0.0012 U	--	0.002 U	--	0.0007 U	0.002 U	0.0129	--	0.002 U	--	0.2041	0.0005
04/06	0.0006 U	0.002 U	0.0616	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.0114	--	0.0027	--	0.1168	0.0002
09/06	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	--	0.0692	0.0009
04/07	0.0007 U	0.0008 U	0.0313	0.0009 U	0.02 U--	--	--	0.0007 U	0.0005 U	0.0055	--	0.0007 U	--	--	0.0007
10/07	0.002 U	0.002 U	0.0506	0.0009 U	0.02 U--	--	--	0.002 U	0.0025	0.0113	--	0.002 U	--	--	0.0005
03/08	0.0005 U	0.002 U	0.0643	0.001 U	0.02 U--	--	--	0.002 U	0.0027	0.0092	--	0.001 U	--	--	0.0005
09/08	0.001 U	0.0012 U	0.0864	0.002 U	0.04 U--	--	--	0.0016 U	0.0024 U	0.0116	--	0.004 U	--	--	0.0004
03/09	0.001 U	0.001 U	0.0419	0.0024 U	0.05 U--	--	--	0.0013 U	0.0014 U	0.02 U	--	0.0007 U	--	--	0.0009
09/09	0.002 U	0.002 U	0.0431	0.002 U	--	0.002 U	91.8	0.002 U	0.0005 J	0.0058	0.239	0.002 U	51.2	0.0592	0.001
07/10	0.001 U	0.001 U	0.031	0.001 U	--	0.001 U	--	0.001	0.0015	0.0029	--	0.001 U	--	--	0.0012
09/10	0.005 U	0.005 U	0.037	0.005 U	--	0.005 U	72	0.005 U	0.005 U	0.0078	0.5	0.005 U	41.6	0.0954	0.00047
04/11	0.005 U	0.005 U	0.0401	0.005 U	--	0.005 U	86.5	0.005 U	0.005 U	0.005 U	0.819	0.005 U	49.3 J	0.07	0.00075
09/11	0.005 U	0.005 U	0.0432	0.005 U	--	0.005 U	90	0.005 U	0.005 U	0.005 U	0.538	0.005 U	52.5	0.0716	0.00056
03/12	0.005 U	0.005 U	0.0405	0.005 U	--	0.005 U	82.9	0.005 U	0.005 U	0.00594	0.458	0.005 U	48.3	0.0676	0.00107
09/12	0.005 U	0.005 U	0.0485	0.005 U	--	0.005 U	94.3	0.005 U	0.005 U	0.005 U	0.576	0.005 U	50.2	0.0891	0.00116
03/13	0.005 U	0.005 U	0.045	0.005 U	--	0.005 U	87.3	0.005 U	0.005 U	0.0116	0.615	0.005 U	48.9	0.0753	0.000684

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>09/13</b>	0.005 U	0.005 U	0.0455	0.005 U	--	0.005 U	93.6	0.005 U	0.005 U	0.0055	0.43	0.005 U	51.9	0.0704	0.000707
<b>03/14</b>	0.005 U	0.005 U	0.0458	0.005 U	--	0.005 U	93.5	0.005 U	0.005 U	0.005 U	0.533	0.005 U	52.9	0.0665	0.000847
<b>09/14</b>	0.005 U	0.005 U	0.0463	0.005 U	--	0.005 U	80.2	0.005 U	0.005 U	0.005 U	0.52	0.005 U	46	0.0762	0.000724
<b>03/15</b>	0.002 U	0.0028	0.043	0.002 U	--	0.004 U	87	0.0033 J	0.01 U	0.002 J	0.005 U	0.002 U	50	0.094	0.001
<b>09/15</b>	0.001 U	0.0036	0.039	0.001 U	--	0.0005 U	92	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U	53	0.052	0.00078
<b>03/16</b>	0.002 U	0.002 U	0.0401	0.002 U	--	0.002 U	50.1	0.002 U	0.002 U	0.002 U	0.284	0.002 U	21.9	0.153	0.0002 U
<b>08/16</b>	0.002 U	0.002 U	0.041	0.002 U	--	0.002 U	49	0.002 U	0.002 U	0.002 U	0.409	0.002 U	22.2	0.202	0.0002 U
<b>03/17</b>	0.002 U	0.00284	0.0523	0.002 U	--	0.002 U	109	0.00278	0.002 U	0.00277	0.631	0.002 U	60	0.0862	0.000429
<b>09/17</b>	0.002 U	0.002 U	0.0535	0.002 U	--	0.002 U	114	0.002 U	0.002 U	0.002 J	0.59	0.002 U	63.5	0.0971	0.00053
<b>04/18</b>	0.002 U	0.00344	0.0543	0.002 U	--	0.002 U	77.5	0.00462	0.002 U	0.00929	0.141	0.002 U	37.9	0.236	0.000233
<b>09/18</b>	0.002 U	0.002 U	0.046	0.002 U	--	0.002 U	60.3	0.00205	0.002 U	0.002 U	0.0645	0.002 U	24.9	0.224	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.0438	0.001 U	--	0.001 U	73.2	0.001 U	0.001 U	0.0026	0.1 U	0.001 U	55.5	0.0717	0.000886
<b>07/19</b>	0.001 U	0.001 U	0.041	0.001 U	--	0.001 U	63.7 B	0.00152	0.00111	0.00367	0.1 U	0.001 U	38.7	0.128	0.000413
<b>03/20</b>	0.001 U	0.001 U	0.0464	0.001 U	--	0.001 U	78.6	0.001 U	0.00108	0.001 U	0.0274 J	0.001 U	51.3	0.142	0.000702
<b>07/20</b>	0.001 U	0.001 U	0.0445	0.001 U	--	0.001 U	47.9	0.00205	0.00908	0.0065	0.114	0.001 U	25.9	0.511	0.000119
<b>03/21</b>	0.001 U	0.001 U	0.0462	0.001 U	--	0.001 U	50.6	0.001 U	0.00289	0.00406	0.0234 J	0.001 U	24.9	0.245	0.000136
<b>09/21</b>	0.001 U	0.001 U	0.0485	0.001 U	--	0.001 U	92.7	0.00102	0.00101	0.00182	0.102	0.001 U	59.8	0.125	0.000748
<b>03/22</b>	0.001 U	0.001 U	0.0555	0.001 U	--	0.001 U	109	0.00166 J	0.00782 J	0.00607 J	0.278	0.0013 J	60.1	0.324	0.000746
<b>08/22</b>	0.00100 U	0.00100 U	0.0744	0.00100 U	--	0.00100 U	75.4	0.00238 J	0.0115	0.00628 J	0.325	0.00100 U	29.3	0.509	0.000171 J

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

	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			0.05			0.002		
<b>04/01</b>	0.0056	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	--
<b>09/01</b>	0.0116	--	0.0022	0.0044 U	--	0.0009 U	0.0007 U	--
<b>03/02</b>	0.01 U	--	0.0034	0.0044 U	--	0.0009 U	0.0007 U	--
<b>09/02</b>	0.0136	--	0.0103	0.0096 U	--	0.001 U	0.0003 U	--
<b>06/03</b>	0.0068	--	0.0024	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>	0.0043	--	0.002 U	0.0022 U	--	0.0004 U	0.0004 U	--
<b>03/04</b>	0.0047	--	0.002 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	0.0024	--	0.0022	0.0018 U	--	0.0006 U	0.0004 U	--
<b>04/05</b>	0.0025	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
<b>09/05</b>	0.0037	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/06</b>	0.0044	--	0.0042	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	0.0023	--	0.002	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	0.0039	--	0.0034	0.0005 U	--	0.0007 U	0.0007 U	0.0065
<b>10/07</b>	0.0059	--	0.0044	0.0005 U	--	0.0007 U	0.0007 U	0.0086
<b>03/08</b>	0.0043	--	0.0032	0.0008 U	--	0.0006 U	0.0006 U	0.01 U
<b>09/08</b>	0.0041	--	0.004 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
<b>03/09</b>	0.02 U	--	0.01 U	0.0043 U	--	0.0008 U	0.0015 U	0.01 U
<b>09/09</b>	0.006	2.66	0.0083	0.002 U	30.2	0.002 U	0.002 U	0.01 U
<b>07/10</b>	0.0036	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.011
<b>09/10</b>	0.005 U	2.56	0.0064	0.005 U	26.1	0.005 U	0.005 U	0.0079
<b>04/11</b>	0.005 U	2.3	0.0095	0.005 U	25.6 J	0.005 U	0.005 U	0.00516
<b>09/11</b>	--	2.44	0.00935	0.005 U	26.3	0.005 U	0.005 U	0.005 U
<b>03/12</b>	0.005 U	2.45	0.00589	0.005 U	28.6	0.005 U	0.005 U	0.005 U
<b>09/12</b>	0.005 U	2.8	0.00838	0.005 U	24.8	0.005 U	0.005 U	0.0057
<b>03/13</b>	0.005 U	3.12	0.00869	0.005 U	27.1	0.005 U	0.005 U	0.005 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

	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			0.05			0.002		
<b>09/13</b>	0.0102	2.55	0.00894	0.005 U	24.9	0.005 U	0.005 U	0.0066
<b>03/14</b>	0.005 U	2.45	0.00692	0.005 U	26.1	0.005 U	0.005 U	0.005 U
<b>09/14</b>	0.005 U	2.25	0.00927	0.005 U	24.2	0.005 U	0.005 U	0.00834
<b>03/15</b>	0.009 J	2.4	0.011 J	0.01 U	24	0.002 U	0.01 U	0.01 U
<b>09/15</b>	0.01 U	2.5	0.013	0.001 U	27	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.0054	2.76	0.00449	0.0001 U	16	0.001 U	0.002 U	0.00522
<b>08/16</b>	0.00528	3	0.00458	0.002 U	16.4	0.001 U	0.002 U	0.00522
<b>03/17</b>	0.00719	2.4	0.014	0.002 U	28.9	0.001 U	0.00244	0.00248
<b>09/17</b>	0.00416	2.47	0.0082	0.002 U	29.8	0.001 U	0.002 U	0.00227
<b>04/18</b>	0.00804	3.32	0.00957	0.002 U	22.7	0.001 U	0.002 U	0.0174
<b>09/18</b>	0.00627	3.11	0.0061	0.002 U	17.3	0.001 U	0.002 U	0.00823
<b>04/19</b>	0.00311	2.32	0.001 U	0.001 U	28.5	0.001 U	0.001 U	0.004 U
<b>07/19</b>	0.00421	2.46	0.001 U	0.001 U	22.2 B	0.001 U	0.001 U	0.00788
<b>03/20</b>	0.004	2.69	0.001 U	0.001 U	26.9	0.001 U	0.001 U	0.004 U
<b>07/20</b>	0.00654	3.01	0.001 U	0.001 U	18.8	0.001 U	0.001 U	0.00699
<b>03/21</b>	0.00464	3.08	0.001 U	0.001 U	18.6	0.001 U	0.001 U	0.00987
<b>09/21</b>	0.00404	2.58	0.001 U	0.001 U	30	0.001 U	0.001 U	0.004 U
<b>03/22</b>	0.00418 J	3.25 B	0.001 U	0.001 U	29.7	0.001 U	0.001 U	0.00749 J
<b>08/22</b>	0.00826 J	4.16	0.00100 U	0.00100 U	24.4	0.00100 U	0.00100 U	0.00953 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	200	200	200	5	5	5	0.2	0.05	600	5	5	75						5		80	
04/01	0.18 U	0.15 U	0.23 U	1 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/01	0.18 U	0.15 U	0.23 U	1 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	1 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	1 U	0.17 U	0.21 U	1 U	0.27	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	0.22	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	11 U	0.27 U	0.34 U	11 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	10 U	0.18 U	0.17 U	0.23 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.5 U	0.13 U	0.15 U	0.82	--	--	--	--	--	0.5 U	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.78 J	0.32 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2,3-Trichloropropane (ug/L)	0.2 1,2-Dibromo-3-chloropropane (ug/L)	0.05 1,2-Dibromoethane (ug/L)	600 1,2-Dichlorobenzene (ug/L)	5 1,2-Dichloroethane (ug/L)	5 1,2-Dichloropropane (ug/L)	75 1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	5 Benzene (ug/L)	Bromochloromethane (ug/L)	80 Bromodichloromethane (ug/L)
09/11		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/12		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/17		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.23	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/19		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 U	5 U	5 U	5 U	5.4	5 U	1 U	1 U	1 U
07/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
07/20		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80			5	100		80		70			80	700	10000				5	10000	100	5
04/01	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	2.28
09/01	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	2.5	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.89	0.27 U	0.21 U	3.36
03/02	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	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	4.64
09/02	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.95
06/03	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	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	3.49
10/03	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	0.14 U	1 U	1.06	0.15 U	0.28 U	0.2 U	0.23 U	1 U	1.67	0.19 U	--	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.23
09/04	0.27 U	0.31 U	8.93	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.25	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.41
04/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.01	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.75
09/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.45	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.15
04/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.05	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.41
09/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.6	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	1 U	0.34 U	0.18 U	0.25 U	2.56
04/07	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.02	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.59
10/07	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.02	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.46
03/08	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	2.09	0.13 U	--	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	1.91
09/08	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1.85	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	2.12
03/09	0.16 U	0.12 U	--	0.14 U	0.5 U	0.13 U	0.12 U	0.2 U	3.51	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.69	0.5 U	0.11 U	0.11 U	2.66
09/09	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U	3	1 U	--	1 U	1 U	2 U	1 U	1 U	0.52 J	0.42 J	1 U	1 U	1.81
07/10	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	2
09/10	2 U	2 U	5 U	2 U	2 U	2 U	2 U	1.2 J	1.8 J	2 U	--	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	1.82 J
04/11	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 U	2 U	1 U	1 U	--	1 U	2

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	MCL	80		5	100		80		70		80	700	10000				5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>09/11</b>		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 U	1 U	5.8	--	1 U	23	
<b>03/12</b>		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 U	1 U	1 U	--	1 U	2	
<b>09/12</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>03/13</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2.18	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	2.06
<b>09/13</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.58	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.99
<b>03/14</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2.17	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.83
<b>09/14</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.55	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.4
<b>03/15</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.74	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.2
<b>09/15</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.73	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.43
<b>03/16</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.37	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.34
<b>08/16</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.26	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.45
<b>03/17</b>		1 U	1 U	5 U	1 U	1.02	1 U	1 U	1 U	2.28	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.32
<b>09/17</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.89	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.08
<b>04/18</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.26
<b>09/18</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.29	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.05
<b>04/19</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4
<b>03/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1.02	0.18 U	--	--	--	--
<b>09/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1.24	1 U	--	--	--	--
<b>03/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1.61	1 U	--	--	--	--
<b>09/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	1 U	--	--	--	--
<b>06/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1.09	1 U	--	--	--	--
<b>10/03</b>	0.24 U--	0.22 U	0.13 U	1 U	1.22	1 U	--	0.07	--	--
<b>03/04</b>	0.24 U--	0.22 U	0.13 U	1 U	1 U	1 U	--	0.11	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>04/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>09/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>04/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>10/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>03/08</b>	0.28 U	0.09	0.22 U	0.08 U	--	0.59	0.5 U	--	0.22 U	--
<b>09/08</b>	0.12 U	0.02	0.14 U	0.13 U	--	0.63	0.1 U	--	0.18 U	--
<b>03/09</b>	0.12 U	0.03	0.14 U	0.13 U	--	0.93	0.5 U	--	0.18 U	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	0.87 J	1 U	--	1 U	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	0.8 J	1 U	1 U	1 U	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	0.88 J	2 U	2 U	2 U	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	MCL	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)
	1000	80	100				5			2	10000
<b>09/11</b>	1 U	--	1 U	1 U	5 U	21	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>08/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	MCL	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)
	1000		80	100			5			2	10000
<b>03/22</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - General Parameters**

	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)		ORP, Field (mV)		pH, Field (SU)		pH, Lab (SU)		Phosphate (mg/L)		Specific Conductivity, Field (uS/cm)		Specific Conductivity, Lab (umhos/cm)		Sulfate, total (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																																								
04/01	--	--	--	--	76.926	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.9	--	--	--				
09/01	--	--	--	--	75.2252	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1	--	--	--				
03/02	--	--	--	--	84.9507	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--					
09/02	--	--	--	--	79.5643	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.4	--	--	--					
06/03	--	--	--	--	102.399	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	0.01 U	--	3.5	--	--	--				
10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--				
03/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--				
09/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.001 U	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--				
04/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--				
09/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	0.059	--	--	--	--	--				
04/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	--	--	--	--	--	0.026	--	--	--	--	--				
09/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.027	--	--	--	--	--	--	--	0.04	--	--	--	--	--				
04/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.011	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--				
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.069	--	--	--	--	--	--	--	0.01	--	--	--	--	--				
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--				
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--				
09/09	163	0.2 U	7 J	150	--	331	0.5482	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.4	--	644	--	--	--	0.283	--	--	--	--					
09/10	184	0.2 U	10 U	171	--	360	0.658	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.2	--	1068	--	--	--	40.7	--	--	--	--					
04/11	175	0.2 U	14	193 J	--	407	0.861	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.4 J	--	800	--	--	--	0.939	--	--	--	--					
09/11	169	0.2 U	5.2	194	--	409	0.819	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21	--	984	--	--	--	--	--	--	--	--					
03/12	176	0.2 U	11.7	199	--	412	0.8232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.2	--	708	--	--	--	--	--	--	--	--					

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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							10													
<b>09/12</b>	172	0.2 U	10 U	202	--	410	0.8309	--	--	--	--	--	--	23	--	828	--	--	--	--
<b>03/13</b>	178	0.2 U	11.2	222	0.02	434	0.8996	379	6.74	--	--	1.115	--	24.1	12.4	666	--	--	--	42.5
<b>09/13</b>	181	0.2 U	10 U	223	0.03	452	0.96	353	6.41	--	--	992.5	--	24.6	13.79	724	--	--	--	0
<b>03/14</b>	191	0.2 U	14.3	226	0.62	494	0.9667	461	6.58	--	--	1025	--	27.9	12.36	624	--	--	--	1.23
<b>09/14</b>	196	0.2 U	15.9	243	1.34	508	1	356	6.65	--	--	1057	--	32.5	13.55	824	--	--	--	0.3
<b>03/15</b>	184	0.2 U	11.3	206	0	450	0.846	374	6.63	--	--	874	--	26.9	14.41	636	--	--	--	24.1
<b>09/15</b>	200	0.2 U	13.8	235	--	488	0.9093	287	6.64	--	--	1048	--	29.5	13.75	625	--	--	--	5
<b>03/16</b>	198	0.2 U	10 U	236	0	464	0.8753	339	6.86	--	--	1018	--	28.8	12.59	791	--	--	--	14.1
<b>08/16</b>	204	0.2 U	12	224	--	476	0.7904	403	6.47	--	--	1031	--	30.2	15.95	807	--	--	--	19.8
<b>03/17</b>	187	0.2 U	12.9	214	--	440	0.732	354	6.59	--	--	950	--	29.1	14.32	527	--	--	--	27.1
<b>09/17</b>	200	0.2 U	13.8	209	--	492	0.754	450	6.62	--	--	981.6	--	32.8	13.18	742	--	--	--	15.7
<b>04/18</b>	188	0.2 U	19.6	213	--	464	0.753	264	6.65	--	--	923	--	29.2	13.33	605	--	--	--	20.3
<b>09/18</b>	212	0.2 U	17.7	250	--	361	0.85	195	6.67	--	--	1135	--	31.7	14.19	728	--	--	--	10.9
<b>04/19</b>	221	0.1 U	21.1	230	0.05	527	B 0.2 U	145	6.62	6.73	--	1420	1190	41.4	13.1	923	--	2.6 U	1.42	2.3
<b>07/19</b>	214	0.1 U	31.8	229	0.25	525	B 1.4	199.9	6.44	6.59	--	1009	1200	47	13.6	1020	--	5.7	1.14	0
<b>03/20</b>	220	0.12	3 U	242	0.9	491	1.61	180.7	6.42	6.68	--	1036	1180	46.2	12.7	849	--	6.2	5.14	0.9
<b>07/20</b>	195	0.1 U	23.5	232	1.1	492	0.61	126.8	6.86	6.64	--	994	1220	38.7	15.9	709	--	11.6	5.09	6.9
<b>03/21</b>	226	0.1 U	11.1	238	0.07	475	0.741	176.4	6.52	6.67	--	997	1260	45.7	12.1	678	--	26.7	7.57	3.1
<b>09/21</b>	228	0.05 U	33.1	238	0.77	545	0.772	233.9	6.49	6.53	--	1100	1230	47.8	15.8	692	--	12.2	13.9	14
<b>03/22</b>	223	0.03 J	9.8 J	244	1.06	579	0.778 J	118.9	6.37	6.57	--	1022	1291	48.8	10.6	740	--	120	117	180.23
<b>08/22</b>	252	0.04 J	22.4	235	0.22	594	0.704	118.1	6.33	6.74	--	1054.0	1272	45.8	14.2	786	--	23.9	12.6	11.40

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.002 U	0.0005 U	0.0404	0.0005 U	--	0.0037	--	0.0039	0.0007 U	0.01 U	--	0.0013 U	--	0.017	0.0002 U	0.002 U
09/01	0.002 U	0.0007 U	0.0485	0.0017 U	--	0.002 U	--	0.002 U	0.0004 U	0.0086	--	0.002 U	--	0.0066	0.0001 U	0.003 U
03/02	0.0005 U	0.002 U	0.0471	0.0017 U	--	0.0006 U	--	0.0039	0.0004 U	0.0067	--	0.002 U	--	0.0046	0.0001 U	0.003 U
09/02	0.0007 U	0.0024	0.0588	0.0004 U	--	0.002 U	--	0.0049	0.002 U	0.0073	--	0.002 U	--	0.0344	0.0001 U	0.0031
06/03	0.002 U	0.002 U	0.0561	0.0004 U	--	0.002 U	--	0.002 U	0.0004 U	0.0087	--	0.002 U	--	0.0085	0.0002 U	0.002 U
10/03	0.0009 U	0.0008 U	0.0507	0.0016 U	--	0.0007 U	--	0.002 U	0.0005 U	0.01 U	--	0.0004 U	--	0.01 U	0.0002 U	0.002 U
03/04	0.0009 U	0.0008 U	0.0598	0.0016 U	--	0.0007 U	--	0.002 U	0.0005 U	0.01 U	--	0.002 U	--	0.01 U	0.0002 U	0.002 U
09/04	0.0028 U	0.0006 U	0.0815	0.0012 U	--	0.002 U	--	0.002 U	0.0005 U	0.0108	--	0.002 U	--	0.0043	0.0001 U	0.002 U
04/05	0.0028 U	0.0006 U	0.0658	0.0012 U	--	0.002 U	--	0.002 U	0.0005 U	0.01 U	--	0.0006 U	--	0.0038	0.0001 U	0.0009 U
09/05	0.0028 U	0.0006 U	0.0831	0.0012 U	--	0.002 U	--	0.002 U	0.0005 U	0.0129	--	0.002 U	--	0.0232	0.0001 U	0.002 U
04/06	0.0006 U	0.002 U	0.0938	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.005	--	0.002 U	--	0.0772	0.0001 U	0.0022
09/06	0.0007 U	0.0008 U	0.0172	0.0009 U	--	0.0006 U	--	0.0007 U	0.0005 U	0.0057	--	0.002 U	--	0.0479	0.0003	0.002 U
04/07	0.0007 U	0.002 U	0.0928	0.0009 U	0.02 U--	--	--	0.0007 U	0.0005 U	0.0053	--	0.0007 U	--	--	0.0002 U	0.0024
10/07	0.002 U	0.002 U	0.0903	0.0009 U	0.02 U--	--	--	0.0034	0.002 U	0.0137	--	0.0031	--	--	0.0002 U	0.0056
03/08	0.0005 U	0.0006 U	0.0511	0.001 U	0.02 U--	--	--	0.0008 U	0.0012 U	0.0033	--	0.001 U	--	--	0.0002 U	0.0022
09/08	0.001 U	0.0012 U	0.0406	0.002 U	0.04 U--	--	--	0.0016 U	0.0024 U	0.008	--	0.004 U	--	--	0.0002 U	0.004 U
03/09	0.001 U	0.001 U	0.0252	0.0012 U	0.05 U--	--	--	0.0007 U	0.0007 U	0.01 U	--	0.0007 U	--	--	0.0002 U	0.01 U
09/09	0.002 U	0.002 U	0.025	0.002 U	--	0.002 U	99.5	0.002 U	0.002 U	0.0062	0.262	0.002 U	26.1	0.0317	0.0002 U	0.0047
07/10	0.001 U	0.0005 J	0.019	0.001 U	--	0.001 U	--	0.001	0.001 U	0.0024	--	0.001 U	--	--	0.0007	0.0008 J
09/10	0.005 U	0.005 U	0.0333	0.005 U	--	0.005 U	102	0.005 U	0.005 U	0.0132	2.14	0.005 U	28.5	0.221	0.00028	0.005 U
04/11	0.005 U	0.005 U	0.0256	0.005 U	--	0.005 U	114 J	0.005 U	0.005 U	0.005 U	1.08	0.005 U	35.2 J	0.0338	0.00049	0.005 U
09/11	0.005 U	0.005 U	0.0257	0.005 U	--	0.005 U	112.5	0.005 U	0.005 U	0.005 U	0.659	0.005 U	34.8	0.0369	0.00031	--
03/12	0.005 U	0.005 U	0.0261	0.005 U	--	0.005 U	108	0.005 U	0.005 U	0.00909	0.957	0.005 U	33.6	0.113	0.00029	0.005 U
09/12	0.005 U	0.005 U	0.0265	0.005 U	--	0.005 U	113	0.005 U	0.005 U	0.00561	0.837	0.005 U	33.3	0.0724	0.000534	0.005 U
03/13	0.005 U	0.005 U	0.0338	0.005 U	--	0.005 U	115	0.005 U	0.005 U	0.0135	1.78	0.005 U	33.9	0.0827	0.000382	0.005 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.005 U	0.0287	0.005 U	--	0.005 U	123	0.005 U	0.005 U	0.005 U	0.564	0.005 U	37.7	0.0415	0.000387	0.00685
<b>03/14</b>	0.005 U	0.005 U	0.029	0.005 U	--	0.005 U	127	0.005 U	0.005 U	0.005 U	0.699	0.005 U	40.3	0.0394	0.00051	0.005 U
<b>09/14</b>	0.005 U	0.005 U	0.0325	0.005 U	--	0.005 U	124	0.005 U	0.005 U	0.005 U	0.742	0.005 U	39.9	0.039	0.00048	0.005 U
<b>03/15</b>	0.002 U	0.0021	0.038	0.002 U	--	0.004 U	130	0.01 U	0.01 U	0.0052 J	0.78	0.0013 J	36	0.15	0.00029	0.0054 J
<b>09/15</b>	0.001 U	0.0029	0.024	0.001 U	--	0.0005 U	130	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U	38	0.057	0.00036	0.01 U
<b>03/16</b>	0.002 U	0.002 U	0.0285	0.002 U	--	0.002 U	131	0.002 U	0.002 U	0.00254	0.924	0.002 U	39.6	0.077	0.000219	0.00204
<b>08/16</b>	0.002 U	0.002 U	0.0288	0.002 U	--	0.002 U	128	0.002 U	0.002 U	0.00283	1.09	0.002 U	38.8	0.101	0.000233	0.0023
<b>03/17</b>	0.005 U	0.005 U	0.0427	0.005 U	--	0.005 U	125	0.005 U	0.005 U	0.005 U	1.25	0.005 U	38.7	0.126	0.0002 U	0.00586
<b>09/17</b>	0.005 U	0.005 U	0.036	0.005 U	--	0.005 U	131	0.005 U	0.005 U	0.00586	0.94	0.005 U	39.5	0.127	0.0002 U	0.005 U
<b>04/18</b>	0.005 U	0.005 U	0.0404	0.005 U	--	0.005 U	126	0.005 U	0.005 U	0.005 U	0.666	0.005 U	36.2	0.114	0.00024	0.005 U
<b>09/18</b>	0.005 U	0.005 U	0.0306	0.005 U	--	0.005 U	73.4	0.005 U	0.005 U	0.005 U	0.306	0.005 U	43.3	0.0722	0.000262	0.00667
<b>04/19</b>	0.001 U	0.001 U	0.0366	0.001 U	--	0.001 U	127	0.001 U	0.001 U	0.0023	0.1 U	0.001 U	50.8	0.154	0.0001 U	0.00123
<b>07/19</b>	0.001 U	0.001 U	0.0472	0.001 U	--	0.001 U	133 B	0.00195	0.001 U	0.00659	0.1 U	0.001 U	47	0.135	0.000111	0.00168
<b>03/20</b>	0.001 U	0.001 U	0.0382	0.001 U	--	0.001 U	130	0.00175	0.001 U	0.00182	0.246	0.001 U	46.8	0.101	0.000239	0.00181
<b>07/20</b>	0.001 U	0.001 U	0.0898	0.001 U	--	0.001 U	124	0.00431	0.001 U	0.0109	0.3	0.001 U	44	0.183	0.000157	0.00432
<b>03/21</b>	0.001 U	0.001 U	0.0448	0.001 U	--	0.001 U	118	0.00137	0.001 U	0.0054	0.444	0.001 U	43.7	0.134	0.000426	0.00104
<b>09/21</b>	0.001 U	0.001 U	0.0391	0.001 U	--	0.001 U	134	0.00161	0.001 U	0.00458	0.825	0.00138	51	0.0968	0.000673	0.00188
<b>03/22</b>	0.001 U	0.001 U	0.0425	0.001 U	--	0.001 U	148	0.0038 J	0.00199 J	0.0123	2.23	0.00764	50.5	0.151	0.00397	0.00334 J
<b>08/22</b>	0.00100 U	0.00100 U	0.0482	0.00100 U	--	0.00100 U	149	0.00240 J	0.00109 J	0.00953 J	0.639	0.00144 J	54.1	0.146	0.000625	0.00261 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

	MCL	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)
<b>04/01</b>	--	0.0018 U	0.0052 U	--	0.0009 U	0.002 U	--	
<b>09/01</b>	--	0.002 U	0.0044 U	--	0.0009 U	0.002 U	--	
<b>03/02</b>	--	0.0032	0.0044 U	--	0.0009 U	0.0007 U	--	
<b>09/02</b>	--	0.0089	0.0096 U	--	0.001 U	0.0003 U	--	
<b>06/03</b>	--	0.0025	0.0096 U	--	0.001 U	0.002 U	--	
<b>10/03</b>	--	0.002 U	0.0022 U	--	0.0004 U	0.002 U	--	
<b>03/04</b>	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--	
<b>09/04</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--	
<b>04/05</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--	
<b>09/05</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--	
<b>04/06</b>	--	0.0042	0.0004 U	--	0.0004 U	0.0004 U	--	
<b>09/06</b>	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	--	
<b>04/07</b>	--	0.0029	0.0005 U	--	0.0007 U	0.0007 U	0.0075	
<b>10/07</b>	--	0.0054	0.0005 U	--	0.0007 U	0.002 U	0.023	
<b>03/08</b>	--	0.0028	0.0008 U	--	0.0006 U	0.0006 U	0.01 U	
<b>09/08</b>	--	0.004 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U	
<b>03/09</b>	--	0.01 U	0.0043 U	--	0.0008 U	0.0008 U	0.01 U	
<b>09/09</b>	3.07	0.0044	0.002 U	21.4	0.002 U	0.0005 J	0.01 U	
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.013	
<b>09/10</b>	3.13	0.0058	0.005 U	21.9	0.005 U	0.005 U	0.0112	
<b>04/11</b>	3.24	0.0071	0.005 U	21.3 J	0.005 U	0.005 U	0.005 U	
<b>09/11</b>	3.42	0.00658	0.005 U	20.8	0.005 U	0.005 U	0.00576	
<b>03/12</b>	3.4	0.00506	0.005 U	24.5	0.005 U	0.005 U	0.00575	
<b>09/12</b>	3.54	0.00714	0.005 U	19.5	0.005 U	0.005 U	0.00624	
<b>03/13</b>	4.66	0.00865	0.005 U	22.9	0.005 U	0.005 U	0.00752	

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

	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	3.47	0.05		20.8	0.002		
<b>09/13</b>	3.47	0.0064	0.005 U	20.8	0.005 U	0.005 U	0.00539
<b>03/14</b>	3.3	0.00629	0.005 U	22.1	0.005 U	0.005 U	0.005 U
<b>09/14</b>	3.45	0.00837	0.005 U	22.6	0.005 U	0.005 U	0.00858
<b>03/15</b>	3.7	0.0085 J	0.01 U	21	0.002 U	0.01 U	0.0087 J
<b>09/15</b>	3.8	0.012	0.001 U	22	0.001 U	0.005 U	0.005 U
<b>03/16</b>	3.24	0.00744	0.0001 U	22.2	0.001 U	0.002 U	0.002 U
<b>08/16</b>	3.27	0.00761	0.002 U	21.9	0.001 U	0.002 U	0.00224
<b>03/17</b>	3.22	0.0131	0.005 U	22	0.005 U	0.005 U	0.00503
<b>09/17</b>	3.33	0.00511	0.005 U	22.4	0.005 U	0.005 U	0.0324
<b>04/18</b>	3.39	0.00802	0.005 U	20.7	0.005 U	0.005 U	0.0188
<b>09/18</b>	3.53	0.0177	0.005 U	22.9	0.005 U	0.005 U	0.005 U
<b>04/19</b>	4.77	0.001 U	0.001 U	26.5	0.001 U	0.001 U	0.004 U
<b>07/19</b>	4.62	0.001 U	0.001 U	25.7 B	0.001 U	0.001 U	0.00437
<b>03/20</b>	3.67	0.001 U	0.001 U	24.8	0.001 U	0.00104	0.004 U
<b>07/20</b>	6.06	0.001 U	0.001 U	28	0.001 U	0.001 U	0.00937
<b>03/21</b>	5.74	0.001 U	0.001 U	26.4	0.001 U	0.00153	0.0105
<b>09/21</b>	3.71	0.001 U	0.001 U	24.8	0.001 U	0.00201	0.004 U
<b>03/22</b>	4.94 B	0.001 U	0.001 U	24.4	0.001 U	0.00426 J	0.0104
<b>08/22</b>	5.94	0.00100 U	0.00100 U	29	0.00100 U	0.00186 J	0.00855 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U	0.18 U
<b>04/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U	0.18 U
<b>09/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U	0.18 U
<b>03/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U	0.18 U
<b>09/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U	0.18 U
<b>06/03</b>	1 U	1 U	1 U	0.22 U	0.19 U	1 U	1 U	3.05 U	1 U	10 U	0.17 U	0.21 U	10 U	--	1 U	--	1 U	--	1 U	0.2 U	0.18 U
<b>10/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	1 U	0.17 U	0.21 U	1 U	0.09	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>03/04</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	4.21	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>09/04</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>04/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	0.34 U	10 U	3.62	1 U	--	1 U	--	0.28 U	0.34 U	0.31 U
<b>09/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	2.33	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>04/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>09/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>04/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>10/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>03/08</b>	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.5 U	0.16 U	10 U	0.18 U	0.17 U	0.23 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U
<b>09/08</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
<b>03/09</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
<b>09/09</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.51 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>09/11</b>		1 U	1 U	1 U	1 U	1 U	19	1 U	1 U	1 U	1 U	1 U	5.3	1 U	5 U	5 U	5 U	5 U	5 U	7.9	1 U	1 U
<b>03/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>04/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	7.6	5 U	1 U	1 U	1 U
<b>07/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL	80			5	100		80		70			80	700	10000				5	10000	100	5
04/01	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/01	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 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.52	0.27 U	0.21 U	1 U
03/02	0.14 U	1 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	1.54
09/02	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
06/03	1 U	1 U	0.38 U	1 U	1 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	--	1 U	0.26 U	1.74	0.17 U	--	0.22 U	0.21 U	1 U	1 U	2.28
10/03	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	0.14 U	1 U	2.13	0.15 U	0.28 U	0.2 U	0.23 U	1 U	1 U	0.19 U	--	0.17 U	0.26 U	1 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/04	0.27 U	0.31 U	4.62	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/05	0.27 U	0.31 U	2.5 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
09/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.81	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.68
04/07	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
10/07	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
03/08	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	0.81	0.13 U	--	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.6
09/08	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1.35	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	1.01
03/09	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1.45	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	1.3
09/09	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1.63	1 U	--	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.99 J
07/10	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1
09/10	2 U	2 U	5 U	2 U	2 U	2 U	2 U	1.38 J	1.48 J	2 U	--	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	1.61 J
04/11	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 U	2 U	1 U	1 U	--	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	MCL	80		5	100		80		70		80	700	10000				5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>09/11</b>		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 U	1 U	1 U	--	1 U	23	
<b>03/12</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	--	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	
<b>09/12</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>03/13</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.7	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.52	
<b>09/13</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.66	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>03/14</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.7	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.19	
<b>09/14</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.67	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.2	
<b>03/15</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.53	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>09/15</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.64	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.14	
<b>03/16</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.83	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.07	
<b>08/16</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.5	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>03/17</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.59	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>09/17</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.34	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>04/18</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.28	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>09/18</b>		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.57	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>04/19</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>07/19</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	
<b>03/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/22</b>	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/01</b>	1.67	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
<b>09/01</b>	1.42	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
<b>03/02</b>	2.09	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
<b>09/02</b>	1.11	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
<b>06/03</b>	2.62	--	0.22 U	0.13 U	0.14 U	1 U	1 U	--	--	--
<b>10/03</b>	1 U	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	0.06	--
<b>03/04</b>	1.43	--	1 U	0.13 U	1 U	1 U	1 U	--	0.22	--
<b>09/04</b>	1.88	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/05</b>	1.14	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/05</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/06</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/06</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
<b>04/07</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>10/07</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
<b>03/08</b>	0.28 U	0.07	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.12 U	0.04	0.14 U	0.13 U	--	0.5 U	0.1 U	--	0.18 U	--
<b>03/09</b>	0.12 U	0.07	0.14 U	0.13 U	--	0.5 U	0.1 U	--	0.18 U	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	0.53 J	1 U	--	1 U	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	0.72 J	2 U	2 U	2 U	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	MCL	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)
	1000	80	100				5			2	10000
<b>09/11</b>	1 U	--	1 U	1 U	5 U	23	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>08/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

	MCL	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)
	1000		80	100			5			2	10000
<b>03/22</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - General Parameters**

	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)		ORP, Field (mV)		pH, Field (SU)		pH, Lab (SU)		Phosphate (mg/L)		Specific Conductivity, Field (uS/cm)		Specific Conductivity, Lab (umhos/cm)		Sulfate, total (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																																								
04/01	--	--	--	--	80.9066	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1	--	--	--	--	--		
09/01	--	--	--	--	76.2039	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.3	--	--	--	--	--	--	--		
03/02	--	--	--	--	82.053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.42	--	--	--	--	--	--	--	--	--		
09/02	--	--	--	--	245.177	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.5	--	--	--	--	--	--	--	--	--		
06/03	--	--	--	--	87.5454	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	0.011	--	26.1	--	--	--	--	--	--	--		
03/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--		
09/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0139	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--		
04/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--		
09/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--	--	--	--	--	0.042	--	--	--	--	--	--	--	--	--		
04/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	0.077	--	--	--	--	--	--	--	--	--		
09/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	0.075	--	--	--	--	--	--	--	--	--		
04/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.019	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--		
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.023	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--		
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--		
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--		
09/09	228	0.2 U	7.9 J	67.4	--	570	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.85	--	352	--	--	1.69	--	--	--	--	--	--	--	--	--			
09/10	226	0.2 U	5.3 J	58.2	--	300	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.74	--	384	--	--	0.528	--	--	--	--	--	--	--	--	--			
04/11	220	0.2 U	10.2	45.4	--	370	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	340	--	--	1.36	--	--	--	--	--	--	--	--	--			
09/11	218	0.2 U	10 U	63.3	--	190	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	1240	--	--	--	--	--	--	--	--	--	--	--	--			
03/12	221	0.2 U	8.6	55.5	--	252	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	364	--	--	--	--	--	--	--	--	--	--	--	--			
09/12	216	0.2 U	10 U	65.4	--	240	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	364	--	--	--	--	--	--	--	--	--	--	--	--			

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>03/13</b>	219	0.2 U	10 U	63.8	0.02	230	0.2 U	232	6.39	--	--	649.1	--	4 U	13.42	288	--	--	--	0
<b>09/13</b>	214	0.2 U	10 U	68	0.03	240	0.2 U	235	6.01	--	--	547.9	--	4.39	15	388	--	--	--	0
<b>03/14</b>	218	0.222	10 U	59.9	0.02	236	0.2 U	221	6.11	--	--	536.7	--	5.07	14.37	316	--	--	--	1.39
<b>09/14</b>	219	0.247	10 U	50.4	1.39	218	0.2 U	220	6.47	--	--	503.4	--	4 U	16.44	306	--	--	--	0.9
<b>03/15</b>	221	0.2 U	10 U	60.8	0	264	0.2 U	239	6.61	--	--	468.1	--	4 U	9.32	326	--	--	--	1.5
<b>09/15</b>	221	0.435	10 U	70	--	250	0.2 U	120	6.07	--	--	616.8	--	4 U	28.46	291	--	--	--	0
<b>03/16</b>	210	0.233	10 U	67.6	0	230	0.2 U	179	6.25	--	--	545.4	--	4 U	13.57	317	--	--	--	0.3
<b>09/16</b>	226	0.255	10 U	72.5	--	256	0.2 U	169	6.02	--	--	580.6	--	4 U	16.53	290	--	--	--	0
<b>03/17</b>	206	0.243	10 U	83.6	--	180	0.2 U	196	6.20	--	--	583.1	--	4 U	14.4	370	--	--	--	0
<b>09/17</b>	205	0.2 U	10 U	87.5	0.02	130	0.2 U	222	6.28	--	--	662.1	--	4.26	14.61	371	--	--	--	1.6
<b>04/18</b>	207	0.2 U	15.2	91.1	--	102	0.2 U	56	6.18	--	--	603.1	--	5.64	13.34	365	--	--	--	0.3
<b>09/18</b>	204	0.202	10 U	105	--	278	0.2 U	42	6.19	--	--	666.3	--	5	21.25	383	--	--	--	5.3
<b>04/19</b>	220	0.31	9	32.6	0.09	184 B	0.2 U	5.9	6.29	6.44	--	609	503	2.3	13.7	303	--	57.4	5.08	6.8
<b>07/19</b>	218	0.34	11.8	50.8	0.25	183	0.4	199.9	6.18	6.40	--	490.5	548	2.4	15.5	343	--	13.5	10.7	1.8
<b>03/20</b>	232	0.3	10.4	72.3	0.41	226	0.55	54.5	6.10	6.30	--	590	643	2.75	14.4	363	--	10.6	4.03	3.4
<b>07/20</b>	223	0.1 U	16	51	0.64	221	0.2 U	55.3	6.45	6.60	--	550	612	5.82	18.3	362	--	2.4 U	0.5 U	1.4
<b>03/21</b>	201	0.1 U	3 U	46.8	0.32	190	0.248	82.1	7.19	6.94	--	463.3	547	9.5	13.8	377	--	3.3	0.5 U	4.65
<b>09/21</b>	241	0.036 J	18.1	56.3	0.72	237	0.011 U	96.1	6.38	6.51	--	518	614	5.8	15.9	351 B	--	2.3 U	0.5 U	0.3
<b>03/22</b>	229	0.36 J	6.2 J	75.6	0.88	243	0.011 U	27.7	6.08	6.27	--	599	675.6	2 J	13.7	368	--	59	20.5	12.63
<b>08/22</b>	247	0.38 J	16.9	75.7	0.28	247	0.011 U	43.5	5.96	6.40	--	606.0	683.7	2.1 J	16.8	383	--	24.5	4.55	1.00

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.002 U	0.0005 U	0.0043	0.0005 U	--	0.002 U	--	0.002 U	0.0022	0.01 U	--	0.0013 U	--	5.54	0.0001 U	0.0062
09/01	0.002 U	0.002 U	0.0115	0.0017 U	--	0.002 U	--	0.002 U	0.0054	0.0085	--	0.002 U	--	7.17	0.0001 U	0.0121
03/02	0.002 U	0.002 U	0.0107	0.0017 U	--	0.002 U	--	0.002 U	0.0035	0.0165	--	0.002 U	--	2.6	0.0001 U	0.01 U
09/02	0.0007 U	0.0191	0.1822	0.0004 U	--	0.0052	--	0.0037	0.0664	0.0141	--	0.0027	--	6.84	0.0003	0.0481
06/03	0.0007 U	0.002 U	0.0098	0.0004 U	--	0.002 U	--	0.002 U	0.002 U	0.02	--	0.002 U	--	0.7339	0.0002 U	0.0032
03/04	0.0009 U	0.0008 U	0.0049	0.0016 U	--	0.0007 U	--	0.0005 U	0.002 U	0.01 U	--	0.002 U	--	0.2168	0.0002 U	0.002 U
09/04	0.0028 U	0.0006 U	0.0059	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0102	--	0.0006 U	--	0.0206	0.0001 U	0.002 U
04/05	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	--	0.0218	0.0001 U	0.002 U
09/05	0.0028 U	0.0006 U	0.0101	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0104	--	0.002 U	--	0.1302	0.0001 U	0.0021
04/06	0.0006 U	0.0006 U	0.0087	0.0007 U	--	0.002 U	--	0.002 U	0.002 U	0.0078	--	0.002	--	0.2202	0.0001 U	0.0026
09/06	0.0007 U	0.0026	0.0974	0.0009 U	--	0.0006 U	--	0.002 U	0.0184	0.0083	--	0.002 U	--	9.787	0.0002 U	0.0106
04/07	0.0007 U	0.003	0.1007	0.0009 U	0.02 U--	--	--	0.002 U	0.0171	0.0059	--	0.0007 U	--	--	0.0002 U	0.0088
10/07	0.002 U	0.0022	0.082	0.0009 U	0.02 U--	--	--	0.0007 U	0.0177	0.0058	--	0.0007 U	--	--	0.0002 U	0.0083
03/08	0.0005 U	0.002 U	0.0894	0.001 U	0.02 U--	--	--	0.002 U	0.0094	0.0041	--	0.002 U	--	--	0.0002 U	0.0054
09/08	0.001 U	0.0012 U	0.02 U	0.002 U	0.04 U--	--	--	0.0016 U	0.004 U	0.0061	--	0.002 U	--	--	0.0002 U	0.0095
03/09	0.001 U	0.01 U	0.0669	0.0012 U	0.05 U--	--	--	0.0007 U	0.0167	0.01 U	--	0.0007 U	--	--	0.0002 U	0.01 U
09/09	0.002 U	0.0023	0.0815	0.002 U	--	0.002 U	59.4	0.002 U	0.0186	0.0051	3.85	0.002 U	23.2	8.16	0.0002 U	0.0095
07/10	0.001 U	0.0032	0.076	0.001 U	--	0.001 U	--	0.0006 U	0.017	0.0005 U	--	0.001 U	--	--	0.0002 U	0.0067
09/10	0.005 U	0.005 U	0.0779	0.005 U	--	0.005 U	52.9	0.005 U	0.0175	0.0061	3.35	0.005 U	19.3	8.23	0.0002 U	0.0079
04/11	0.005 U	0.005 U	0.099	0.005 U	--	0.005 U	58.1	0.005 U	0.0146	0.006	3.69	0.005 U	20.3	8.57	0.0002 U	0.0071
09/11	0.005 U	0.005 U	0.0689	0.005 U	--	0.005 U	54.4	0.005 U	0.0173	0.005 U	3.05	0.005 U	22	7.484	0.0002 U	--
03/12	0.005 U	0.005 U	0.0735	0.005 U	--	0.005 U	53.3	0.005 U	0.0171	0.00802	3.44	0.005 U	21.8	7.53	0.0002 U	0.00665
09/12	0.005 U	0.005 U	0.068	0.005 U	--	0.005 U	54.7	0.005 U	0.0189	0.005 U	3.93	0.005 U	21.8	8.27	0.0002 U	0.00774
03/13	0.005 U	0.005 U	0.0674	0.005 U	--	0.005 U	54.9	0.005 U	0.0189	0.005 U	3.38	0.005 U	21.8	8.12	0.0002 U	0.00951
09/13	0.005 U	0.005 U	0.0648	0.005 U	--	0.005 U	52.4	0.005 U	0.0161	0.005 U	3.94	0.005 U	21.6	7.16	0.0002 U	0.00714

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>03/14</b>	0.005 U	0.005 U	0.0677	0.005 U	--	0.005 U	47.1	0.005 U	0.0153	0.005 U	3.06	0.005 U	17.9	6.94	0.0002 U	0.0066
<b>09/14</b>	0.005 U	0.005 U	0.077	0.005 U	--	0.005 U	47.6	0.005 U	0.0149	0.005 U	3.31	0.005 U	18.7	7.33	0.0002 U	0.00738
<b>03/15</b>	0.002 U	0.0029	0.047	0.002 U	--	0.004 U	49	0.0047 J	0.017	0.0017 J	4.4	0.002 U	21	6.8	0.0002 U	0.011
<b>09/15</b>	0.001 U	0.0026	0.041	0.001 U	--	0.0005 U	53	0.005 U	0.019	0.005 U	5	0.001 U	23	7.4	0.0002 U	0.01 U
<b>03/16</b>	0.002 U	0.00262	0.0697	0.002 U	--	0.002 U	54.5	0.00201	0.0157	0.002 U	3.87	0.002 U	21.2	7.77	0.0002 U	0.00561
<b>09/16</b>	0.002 U	0.00296	0.0698	0.002 U	--	0.002 U	56.1	0.00271	0.0192	0.00202	3.82	0.002 U	22.5	7.77	0.0002 U	0.00841
<b>03/17</b>	0.002 U	0.00299	0.0571	0.002 U	--	0.002 U	55.8	0.00307	0.02	0.00503	4.23	0.002 U	24	7.88	0.0002 U	0.0081
<b>09/17</b>	0.005 U	0.005 U	0.0675	0.005 U	--	0.005 U	60.4	0.005 U	0.0168	0.005 U	4.43	0.005 U	25.9	7.67	0.0002 U	0.00677
<b>04/18</b>	0.002 U	0.00288	0.0615	0.002 U	--	0.002 U	62.3	0.00521	0.0171	0.002 U	3.33	0.002 U	24.8	12.3	0.0002 U	0.00882
<b>09/18</b>	0.002 U	0.00245	0.0452	0.002 U	--	0.002 U	66.2	0.00412	0.0197	0.002 U	3.33	0.002 U	27.4	7.65	0.0002 U	0.00798
<b>04/19</b>	0.001 U	0.003	0.11	0.001 U	--	0.00146	44.2 B	0.00571	0.0122	0.00425	4	0.00225	18	7.75	0.0001 U	0.0106
<b>07/19</b>	0.001 U	0.00269	0.0717	0.001 U	--	0.001 U	42.1	0.00205	0.0136	0.00211	3.79	0.001 U	18.9	8.85	0.0001 U	0.00656
<b>03/20</b>	0.001 U	0.00273	0.0765	0.001 U	--	0.001 U	53	0.00103	0.0163	0.00115	4.03	0.001 U	23.7	8.61	0.0001 U	0.00669
<b>07/20</b>	0.001 U	0.001 U	0.152	0.001 U	--	0.001 U	59.7	0.001 U	0.0055	0.001 U	0.106	0.001 U	17.5	5.8	0.0001 U	0.00634
<b>03/21</b>	0.001 U	0.001 U	0.055	0.001 U	--	0.001 U	52.7	0.00154	0.001 U	0.00211	0.0672 J	0.001 U	14.3	1.71	0.0001 U	0.00325
<b>09/21</b>	0.001 U	0.001 U	0.164	0.001 U	--	0.001 U	64.8	0.001 U	0.00563	0.001 U	0.103	0.001 U	18.3	5.82	0.0001 U	0.00646
<b>03/22</b>	0.001 U	0.00288	0.0606	0.001 U	--	0.00348 J	56.2	0.00183 J	0.0174	0.00746 J	5.15	0.00475	25	8.37	0.000107 J	0.00518 J
<b>08/22</b>	0.00100 U	0.00245	0.0478	0.00100 U	--	0.00100 U	55.1	0.00136 J	0.0187	0.00100 U	4.96	0.00100 U	26.7	8.37	0.000100 U	0.00646 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

	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	0.05				0.002		
04/01	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	--
09/01	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
03/02	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
09/02	--	0.0265	0.0096 U	--	0.001 U	0.002 U	--
06/03	--	0.0012 U	0.0096 U	--	0.001 U	0.0003 U	--
03/04	--	0.0007 U	0.0022 U	--	0.0004 U	0.0004 U	--
09/04	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
04/05	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
09/05	--	0.001 U	0.0018 U	--	0.0006 U	0.0004 U	--
04/06	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
09/06	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	--
04/07	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0083
10/07	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0051
03/08	--	0.002 U	0.0001 U	--	0.001 U	0.0001 U	0.0045
09/08	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
03/09	--	0.0012 U	0.0043 U	--	0.0008 U	0.0008 U	0.01 U
09/09	2.82	0.002 U	0.002 U	37	0.002 U	0.002 U	0.01 U
07/10	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.011
09/10	2.52	0.005 U	0.005 U	31.7	0.005 U	0.005 U	0.005 U
04/11	2.77	0.005 U	0.005 U	30.8 J	0.005 U	0.005 U	0.0078
09/11	2.8	0.005 U	0.005 U	31.8	0.005 U	0.005 U	0.00676
03/12	2.79	0.005 U	0.005 U	32.9	0.005 U	0.005 U	0.0101
09/12	2.99	0.005 U	0.005 U	30.7	0.005 U	0.005 U	0.00749
03/13	2.85	0.005 U	0.005 U	30.7	0.005 U	0.005 U	0.00596
09/13	2.91	0.005 U	0.005 U	30.1	0.005 U	0.005 U	0.00704

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

	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	2.72	0.05			0.002		
<b>03/14</b>	2.72	0.005 U	0.005 U	24.7	0.005 U	0.005 U	0.00625
<b>09/14</b>	2.6	0.005 U	0.005 U	29.4	0.005 U	0.005 U	0.00911
<b>03/15</b>	2.8	0.035 U	0.01 U	32	0.002 U	0.01 U	0.0084 J
<b>09/15</b>	3	0.005 U	0.001 U	33	0.001 U	0.005 U	0.0077
<b>03/16</b>	2.54	0.002 U	0.002 U	29.2	0.001 U	0.002 U	0.00282
<b>09/16</b>	2.69	0.00274	0.002 U	31.1	0.001 U	0.002 U	0.00437
<b>03/17</b>	2.66	0.00321	0.002 U	32.2	0.001 U	0.002 U	0.00367
<b>09/17</b>	2.76	0.005 U	0.005 U	33.2	0.005 U	0.005 U	0.0213
<b>04/18</b>	2.83	0.0035	0.002 U	31.5	0.001 U	0.002 U	0.0043
<b>09/18</b>	2.8	0.00331	0.002 U	33.1	0.001 U	0.002 U	0.00531
<b>04/19</b>	2.92	0.001 U	0.001 U	27.2	0.001 U	0.00195	0.025
<b>07/19</b>	2.52	0.001 U	0.001 U	28.3	0.001 U	0.001 U	0.00507 B
<b>03/20</b>	2.85	0.001 U	0.001 U	31.7	0.001 U	0.001 U	0.00719
<b>07/20</b>	2.78	0.001 U	0.001 U	26.7	0.001 U	0.001 U	0.004 U
<b>03/21</b>	3.61	0.001 U	0.001 U	25	0.001 U	0.001 U	0.006
<b>09/21</b>	2.92	0.001 U	0.001 U	25.8	0.001 U	0.00101	0.004 U
<b>03/22</b>	2.9	0.001 U	0.001 U	34	0.001 U	0.001 U	0.0273
<b>08/22</b>	2.94	0.00100 U	0.00100 U	37.4	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
	200			5		5		0.2	0.05	600	5	5	75						5	
<b>04/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	1.13	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1 U	10 U	--	1 U	--	0.15 U	--	0.21 U	0.2 U
<b>09/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	2.73	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	2.2	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
<b>03/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	1.48	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1.39	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
<b>09/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	34.39	1 U	0.21 U	1 U	0.2 U	10 U	3.05	6.61	10 U	--	0.18 U	--	0.15 U	--	10.31	1 U
<b>06/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
<b>03/04</b>	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	1 U	10 U	0.21	0.18 U	--	0.15 U	--	0.21 U	0.2 U
<b>09/04</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	0.43 U	0.27 U	1 U	0.44 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
<b>04/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1.37	1 U	--	0.39 U	--	0.28 U	0.34 U
<b>09/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
<b>04/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
<b>09/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	2.53	10 U	1 U	1 U	--	0.39 U	--	1.39	0.34 U
<b>04/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	1.43	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	2.17	10 U	0.29 U	0.19 U	--	0.39 U	--	1.23	0.34 U
<b>10/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	1.05	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	2.33	10 U	0.29 U	0.19 U	--	0.39 U	--	1.26	0.34 U
<b>03/08</b>	0.18 U	0.18 U	0.21 U	0.23 U	0.5 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	1.22	10 U	--	--	--	--	--	0.52	0.12 U
<b>09/08</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.5 U	0.94	0.14 U	--	--	--	--	--	0.09 U	0.14 U
<b>03/09</b>	0.12 U	0.17 U	0.14 U	0.17 U	1.07	0.15 U	0.17 U	0.2 U	0.08 U	--	0.53	2.11	--	--	--	--	--	--	1.09	0.14 U
<b>09/09</b>	1 U	1 U	1 U	1 U	1.47	1 U	1 U	1 U	1 U	1 U	0.52 J	2.02	3.97	0.46 J	1 U	1 U	0.28 J	1 U	1.03	1 U
<b>07/10</b>	1 U	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U	1 U	4	10 U	5 U	5 U	5 U	5 U	10 U	0.9 J	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	0.97 J	2 U	2 U	2 U	2 U	2 U	2 U	1.1 J	2.83	2 U	2 U	2 U	2 U	2 U	0.99 J	2 U
<b>04/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
<b>03/12</b>	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	4.7	5 U	5 U	5 U	5 U	5 U	1.1	1 U
<b>09/12</b>	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 U	4.19	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/13</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.08	1.14	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U	1 U	1 U	1.54	1 U	1 U	1 U	1 U	1 U	1 U	3.09	1.91	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U	1 U	1 U	1.15	1 U	1 U	1 U	1 U	--	1 U	2.11	4.78	5 U	5 U	5 U	5 U	5 U	1 U	--
<b>09/14</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	4.48	5 U	5 U	5 U	5 U	5 U	1.07	1 U
<b>03/15</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.86	4.19	5 U	5 U	5 U	5 U	5 U	1.06	1 U
<b>09/15</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.06	3.92	5 U	5 U	5 U	5 U	5 U	1.03	1 U
<b>03/16</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.14	5.87	5 U	5 U	5 U	5 U	5 U	1.08	1 U
<b>09/16</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.95	5.64	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.11	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/17</b>	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 U	5.38	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.95	5.14	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.81	4.28	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/19</b>	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	3.2	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>07/19</b>	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	3.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/20</b>	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	5.6	5 U	5 U	5 U	5 U	5 U	1.3	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1.1	3.6	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	4.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/22</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	6.7	5 U	5 U	5 U	5 U	5 U	1.1	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

08/22	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	5.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - 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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL	80	80			5	100		80		70		80	700	10000				5	10000	100	5
04/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	11.56	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
09/01	0.18 U	0.14 U	1 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	23.94	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.47	0.27 U	0.21 U	1 U
03/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	13.9	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/02	0.18 U	0.14 U	0.15 U	1 U	0.15 U	63.67	1 U	1 U	1 U	72.56	0.19 U	0.17 U	0.26 U	1 U	1 U	--	0.22 U	27.89	0.27 U	0.21 U	58.78
06/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	8.9	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.12
03/04	0.18 U	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	2.46	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
09/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.79	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	3.73	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	4.33	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/06	0.31 U	0.27 U	1 U	0.75 U	0.25 U	5.54	1 U	0.27 U	0.25 U	18.21	0.29 U	0.27 U	0.23 U	2 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.84	1 U	0.27 U	0.25 U	14.02	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.64	1 U	0.27 U	0.25 U	21.08	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
03/08	0.19 U	0.12 U	0.5 U	--	0.13 U	2.27	0.5 U	0.21 U	0.15 U	10.07	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
09/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	8.42	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
03/09	0.11 U	0.16 U	0.12 U	--	0.14 U	3.43	0.62	0.12 U	0.2 U	22.57	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
09/09	1 U	1 U	1 U	2.5 U	1 U	3.38	0.73 J	1 U	1 U	21.2	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/10	1 U	5 U	1 U	1 U	1 U	5	1 U	1 U	1 U	16	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	5 U	2 U	4.22	0.62 J	2 U	0.89 J	14.1	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	1 U	1 U	1 U	1 U	1 U	7.3	1	1 U	4	12	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
09/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

	MCL	80	80			5	100			70		80	700	10000			5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/12</b>	1U	1U	1U	1U	1U	1U	6.6	1U	1U	1U	21	1U	1U	--	1U	1U	1U	1U	--	1U	1U	1U
<b>09/12</b>	1U	1U	1U	5U	1U	1U	5.04	1U	1U	1U	19.6	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/13</b>	1U	1U	1U	5U	1U	1U	1.54	1U	1U	1U	9.61	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/13</b>	1U	1U	1U	5U	1U	1U	5.3	1U	1U	1U	26.2	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/14</b>	1U	1U	1U	5U	1U	1U	5.81	1U	1U	1U	20.7	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/14</b>	1U	1U	1U	5U	1U	1U	7.75	1U	1U	1U	12.1	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/15</b>	1U	1U	1U	5U	1U	1U	7.48	1U	1U	1U	11.1	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/15</b>	1U	1U	1U	5U	1U	1U	7.05	1U	1U	1U	11.9	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/16</b>	1U	1U	1U	5U	1U	1U	8.56	1U	1U	1U	15.1	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/16</b>	1U	1U	1U	5U	1U	1U	8.05	1U	1U	1U	15.1	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/17</b>	1U	1U	1U	5U	1U	1U	7.41	1U	1U	1U	19.7	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/17</b>	1U	1U	1U	5U	1U	1U	6.29	1U	1U	1U	20.8	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>04/18</b>	1U	1U	1U	5U	1U	1U	5.86	1U	1U	1U	23.6	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/18</b>	1U	1U	1U	5U	1U	1U	4.74	1U	1U	1U	19.5	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>04/19</b>	1U	1U	1U	1U	1U	1U	7.8	1U	1U	1U	8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>07/19</b>	1U	1U	1U	1U	1U	1U	10.3	1U	1U	1U	7	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>03/20</b>	1U	1U	1U	1U	1U	1U	11.9	1U	1U	1U	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>07/20</b>	1U	1U	1U	1U	1U	1U	6.8	1U	1U	1U	12.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>03/21</b>	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>09/21</b>	1U	1U	1U	1U	1U	1U	7.3	1U	1U	1U	8.7	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>03/22</b>	1U	1U	1U	1U	1U	1U	10.1	1U	1U	1U	9.6	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

08/22	MCL	Concentration (ug/L)	Unit
	80	Bromodichloromethane (ug/L)	1.0 U
	80	Bromoform (ug/L)	1.0 U
		Bromomethane (ug/L)	1.0 U
		Carbon Disulfide (ug/L)	1.0 U
	5	Carbon Tetrachloride (ug/L)	1.0 U
	100	Chlorobenzene (ug/L)	8.6
		Chloroethane (ug/L)	1.0 U
	80	Chloroform (ug/L)	1.0 U
		Chloromethane (ug/L)	1.0 U
	20	cis-1,2-Dichloroethene (ug/L)	8.7
		cis-1,3-Dichloropropene (ug/L)	1.0 U
	80	Dibromochloromethane (ug/L)	1.0 U
	700	Ethylbenzene (ug/L)	1.0 U
	10000	m&p-Xylene (ug/L)	1.0 U
		Methyl Iodide (ug/L)	1.0 U
		Methyl Tertiary Butyl Ether (ug/L)	1.0 U
		Methylene Bromide (ug/L)	1.0 U
	5	Methylene Chloride (ug/L)	1.0 U
	10000	o-Xylene (ug/L)	1.0 U
	100	Styrene (ug/L)	1.0 U
	5	Tetrachloroethene (ug/L)	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/01</b>	0.24 U--	1 U	0.13 U	0.14 U	5.12	0.18 U--	--	--		
<b>09/01</b>	0.24 U--	1 U	0.13 U	0.14 U	12.98	0.18 U--	--	--		
<b>03/02</b>	0.24 U--	1 U	0.13 U	0.14 U	8.2	0.18 U--	--	--		
<b>09/02</b>	1 U	--	4.05	0.13 U	0.14 U	61.1	7.61	--	--	--
<b>06/03</b>	0.24 U--	1 U	0.13 U	0.14 U	4.88	0.18 U--	--	--		
<b>03/04</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1.32	0.18 U--	0.06	--		
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	2.34	0.36 U--	0.32 U--			
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	1 U	0.31 U	0.36 U--	0.32 U--			
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	2.44	0.36 U--	0.32 U--			
<b>04/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	2.26	0.36 U--	0.32 U--			
<b>09/06</b>	0.32 U--	1.79	0.24 U	0.3 U	3.72	0.36 U--	4.03	--		
<b>04/07</b>	0.32 U--	1.45	0.24 U	0.3 U	1.51	0.36 U--	3.44	--		
<b>10/07</b>	0.32 U--	1.89	0.24 U	0.3 U	2.3	0.36 U--	4.8	--		
<b>03/08</b>	0.28 U	0.03	0.74	0.08 U--	0.84	0.07 U--	1.6	--		
<b>09/08</b>	0.12 U	0.04	0.5 U	0.13 U--	0.98	0.1 U	--	0.18 U--		
<b>03/09</b>	0.12 U	0.02	1.48	0.13 U--	1.52	0.1 U	--	5.16	--	
<b>09/09</b>	1 U	--	1.37	1 U	1 U	1.29	1 U	--	6.5	--
<b>07/10</b>	1 U	--	0.9 J	1 U	5 U	0.8 J	1 U	1 U	3	--
<b>09/10</b>	2 U	--	0.89 J	2 U	2 U	0.51 J	2 U	2 U	4.76	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	4	1 U	1 U
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5.4	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	4.99	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	2.31	1 U
<b>09/13</b>	1 U	--	1.98	1 U	5 U	1 U	1 U	5 U	6.38	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	4.86	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	4.99	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	3.39	1 U
<b>09/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	2.6	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	2.89	1 U
<b>09/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	2.56	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	2.89	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	2.82	1 U
<b>04/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	3.04	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	2.89	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U
<b>07/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U
<b>07/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

	MCL	1000	80	100								
		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)	
		1000	80	100			5			2	10000	
<b>08/22</b>		1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - General Parameters**

	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)		ORP, Field (mV)		pH, Field (SU)		pH, Lab (SU)		Phosphate (mg/L)		Specific Conductivity, Field (uS/cm)		Specific Conductivity, Lab (umhos/cm)		Sulfate, total (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																																								
04/01	--	--	--	--	39.2477	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2	--	--	--		
09/01	--	--	--	--	36.3369	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.45	--	--	--		
03/02	--	--	--	--	38.7967	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.36	--	--	--			
09/02	--	--	--	--	133.328	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.1	--	--	--			
06/03	--	--	--	--	39.7258	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0117	--	--	--	--	--	--	--	--	--	--	0.01 U	--	22.3	--	--			
03/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--			
09/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0148	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--			
04/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--			
09/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	--	--	--	0.03	--	--	--	--			
04/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	--	--	--	--	--	0.041	--	--	--	--			
09/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--	--	0.073	--	--	--	--			
04/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--			
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--			
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--			
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--			
09/09	229	0.2 U	10 U	34.7	--	228	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.54	--	284	--	--	--	--	--	0.266	--	--	--	--				
09/10	248	0.2 U	10 U	32.8	--	300	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.83	--	384	--	--	--	--	--	0.485	--	--	--	--				
04/11	230	0.2 U	10 U	34.2	--	265	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	280	--	--	--	--	--	0.735	--	--	--	--	--				
09/11	230	0.2 U	10 U	46.1	--	144	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	344	--	--	--	--	--	--	--	--	--	--	--				
03/12	239	0.2 U	9.9	42.8	--	236	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.76	--	348	--	--	--	--	--	--	--	--	--	--	--				
09/12	223	0.2 U	10 U	47.4	--	234	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.11	--	352	--	--	--	--	--	--	--	--	--	--	--				

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>03/13</b>	224	0.2 U	10 U	45.5	0.03	232	0.2 U	268	6.54	--	--	603.6	--	5.27	13.66	270	--	--	--	0
<b>09/13</b>	219	0.2 U	10 U	47.7	0.02	230	0.2 U	272	6.18	--	--	516.5	--	5.68	14.6	392	--	--	--	0
<b>03/14</b>	219	0.2 U	10 U	44.7	0.02	232	0.2 U	264	6.18	--	--	499.8	--	5.8	14.19	322	--	--	--	1.08
<b>09/14</b>	227	0.2 U	10 U	39.5	1.6	236	0.2 U	248	6.62	--	--	491.3	--	4.32	15.03	322	--	--	--	2.1
<b>03/15</b>	215	0.2 U	10 U	37.5	0	220	0.2 U	89	7.07	--	--	406.8	--	7.65	9.89	352	--	--	--	0
<b>09/15</b>	213	0.387	10 U	39.7	--	222	0.2 U	68	6.49	--	--	506.9	--	6.7	19.32	209	--	--	--	0.1
<b>03/16</b>	196	0.2 U	10 U	42.4	0	206	0.2 U	230	6.56	--	--	450.1	--	9.5	14.09	264	--	--	--	0
<b>09/16</b>	218	0.2 U	10 U	48.5	--	240	0.2 U	204	6.29	--	--	505.2	--	7.2	15.22	308	--	--	--	0
<b>03/17</b>	205	0.2 U	10 U	52.2	--	140	0.2 U	245	6.47	--	--	478.5	--	7.83	13.98	224	--	--	--	0
<b>09/17</b>	197	0.2 U	10 U	55.5	0	236	0.2 U	285	6.57	--	--	482.5	--	8.79	16.45	320	--	--	--	0.1
<b>04/18</b>	193	0.2 U	10 U	62.7	--	61.2	0.2 U	75	6.50	--	--	501.7	--	10.8	13.4	343	--	--	--	0.3
<b>09/18</b>	193	0.2 U	10 U	60.6	--	242	0.2 U	106	6.48	--	--	531.7	--	10	15.53	324	--	--	--	0.9
<b>04/19</b>	225	0.1 U	4	41.5	0.09	211 B	0.2 U	68.4	6.46	6.53	--	662	549	6.1	13.7	328	--	2.6 U	0.5 U	1.1
<b>07/19</b>	223	0.1 U	7.6	44.3	0.35	203	0.2 U	199.9	6.33	6.57	--	487.7	544	5.8	15.8	326	--	2.3 U	0.5 U	0
<b>03/20</b>	224	0.1 U	4.9	54	0.4	216	0.36	22.5	6.36	6.49	--	520	572	5.92	14.4	332	--	4.3	0.709	0
<b>07/20</b>	226	0.35	19.1	73.7	0.59	229	0.2 U	55.7	6.04	6.32	--	623	688	2.49	17.2	398	--	25.4	4.97	7.7
<b>03/21</b>	232	0.35	6.5	77	0.11	234	0.14	35.9	6.08	6.26	--	598	694	3.4	14.6	309	--	6.8	3.15	2.14
<b>09/21</b>	248	0.43	21.5	78.2	0.62	244	0.011 U	35.8	6.13	6.26	--	612	681	0.3 U	16.3	391 B	--	15.4	3.05	1.9
<b>03/22</b>	217	0.05 J	3 U	51.7	1.09	224	0.011 U	93.3	6.41	6.55	--	489.8	592.5	7.5	11.8	338	--	6.8	2.29	6.39
<b>08/22</b>	230	0.05 J	11.3	47.2	0.33	223	0.152	83.7	6.30	6.59	--	497.3	573.9	8.6	16.6	327	--	7.3	1.10	2.40

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.002 U	0.002 U	0.0361	0.0005 U	--	0.002 U	--	0.002 U	0.002 U	0.0176	--	0.002 U	--	5.08	0.0001 U	0.0052
09/01	0.002 U	0.0007 U	0.0287	0.0017 U	--	0.002 U	--	0.0012 U	0.002 U	0.0102	--	0.0022	--	2.5	0.0001 U	0.01 U
03/02	0.0005 U	0.002 U	0.0192	0.0017 U	--	0.002 U	--	0.0012 U	0.0004 U	0.0089	--	0.002 U	--	0.3827	0.0001 U	0.003 U
09/02	0.0007 U	0.0027	0.0211	0.0004 U	--	0.0041	--	0.004	0.0029	0.0099	--	0.0032	--	0.5544	0.0002	0.0149
06/03	0.0007 U	0.002 U	0.0327	0.0004 U	--	0.002 U	--	0.002 U	0.002 U	0.0204	--	0.002 U	--	0.7419	0.0002 U	0.0028
03/04	0.0009 U	0.0008 U	0.0158	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.01 U	--	0.002 U	--	0.2364	0.0002 U	0.002 U
09/04	0.0028 U	0.0006 U	0.0137	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0126	--	0.002 U	--	0.0976	0.0001 U	0.002 U
04/05	0.0028 U	0.002 U	0.0102	0.0012 U	--	0.002 U	--	0.002 U	0.0005 U	0.0107	--	0.002 U	--	0.0716	0.0001 U	0.002 U
09/05	0.0028 U	0.0006 U	0.0159	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.0172	--	0.0021	--	0.4195	0.0001 U	0.0028
04/06	0.0006 U	0.0006 U	0.0114	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.0073	--	0.002 U	--	0.2417	0.0001 U	0.0021
09/06	0.0007 U	0.002 U	0.1281	0.0009 U	--	0.0006 U	--	0.0007 U	0.0084	0.0062	--	0.0007 U	--	8.924	0.0002 U	0.0081
04/07	0.0007 U	0.002 U	0.1163	0.0009 U	0.02 U--	--	--	0.0007 U	0.0078	0.006	--	0.0007 U	--	--	0.0002 U	0.0089
10/07	0.0007 U	0.002 U	0.1146	0.0009 U	0.02 U--	--	--	0.0007 U	0.0069	0.0061	--	0.0007 U	--	--	0.0002 U	0.0082
03/08	0.0005 U	0.0006 U	0.0822	0.001 U	0.02 U--	--	--	0.002 U	0.0034	0.0045	--	0.002 U	--	--	0.0002 U	0.0039
09/08	0.001 U	0.0012 U	0.0288	0.002 U	0.04 U--	--	--	0.0016 U	0.0024 U	0.008	--	0.002 U	--	--	0.0002 U	0.004 U
03/09	0.001 U	0.001 U	0.1309	0.0012 U	0.05 U--	--	--	0.0007 U	0.01 U	0.01 U	--	0.0007 U	--	--	0.0002 U	0.01 U
09/09	0.002 U	0.002 U	0.137	0.002 U	--	0.002 U	63.5	0.002 U	0.0052	0.0043	0.301	0.002 U	12.9	6.29	0.0002 U	0.0083
07/10	0.001 U	0.0019	0.12	0.001 U	--	0.001 U	--	0.0006 U	0.0081	0.0017	--	0.001 U	--	--	0.0002 U	0.0071
09/10	0.005 U	0.005 U	0.118	0.005 U	--	0.005 U	65.9	0.005 U	0.0064	0.006	0.647	0.005 U	14.9	7.18	0.0002 U	0.0083
04/11	0.005 U	0.005 U	0.116	0.005 U	--	0.005 U	62.7	0.005 U	0.007	0.006	0.718	0.005 U	17 J	6.56	0.0002 U	0.0077
09/11	0.005 U	0.005 U	0.128	0.005 U	--	0.005 U	67.1	0.005 U	0.00803	0.005 U	0.797	0.005 U	16.8	7.228	0.0002 U	--
03/12	0.005 U	0.005 U	0.129	0.005 U	--	0.005 U	70.8	0.005 U	0.00789	0.005 U	0.74	0.005 U	17.7	6.84	0.0002 U	0.0082
09/12	0.005 U	0.005 U	0.129	0.01 U	--	0.005 U	68.2	0.005 U	0.00841	0.005 U	0.774	0.005 U	17	7.26	0.0002 U	0.00903
03/13	0.005 U	0.005 U	0.132	0.005 U	--	0.005 U	66.6	0.005 U	0.00798	0.005 U	0.575	0.005 U	15.9	6.89	0.0002 U	0.0102
09/13	0.005 U	0.005 U	0.126	0.005 U	--	0.005 U	65.3	0.005 U	0.00648	0.005 U	0.676	0.005 U	16.5	6	0.0002 U	0.00765

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>03/14</b>	0.005 U	0.005 U	0.125	0.005 U	--	0.005 U	54.3	0.005 U	0.00647	0.005 U	0.692	0.005 U	17.6	5.84	0.0002 U	0.00699
<b>09/14</b>	0.005 U	0.005 U	0.132	0.005 U	--	0.005 U	57.1	0.005 U	0.00692	0.005 U	0.739	0.005 U	15.1	6.26	0.0002 U	0.00892
<b>03/15</b>	0.002 U	0.002 U	0.13	0.002 U	--	0.004 U	64	0.01 U	0.01 U	0.01 U	0.031	0.002 U	14	5.2	0.0002 U	0.0075 J
<b>09/15</b>	0.001 U	0.001 U	0.13	0.001 U	--	0.0005 U	64	0.005 U	0.005 U	0.005 U	0.027	0.001 U	13	5	0.0002 U	0.01 U
<b>03/16</b>	0.002 U	0.002 U	0.138	0.002 U	--	0.002 U	58.4	0.002 U	0.00409	0.002 U	0.45	0.002 U	12.9	4.89	0.0002 U	0.00537
<b>09/16</b>	0.002 U	0.002 U	0.146	0.002 U	--	0.002 U	64.6	0.002 U	0.00567	0.002 U	0.467	0.002 U	14.7	5.21	0.0002 U	0.00841
<b>03/17</b>	0.002 U	0.002 U	0.135	0.002 U	--	0.002 U	61.9	0.00231	0.00541	0.00295	0.429	0.002 U	14.2	5.15	0.0002 U	0.00776
<b>09/17</b>	0.002 U	0.002 U	0.145	0.002 U	--	0.002 U	62.8	0.00216	0.00398	0.002 U	0.435	0.002 U	13.9	4.71	0.0002 U	0.00535
<b>04/18</b>	0.002 U	0.002 U	0.138	0.002 U	--	0.002 U	68.1	0.00316	0.00474	0.002 U	0.102	0.002 U	14.9	5.05	0.0002 U	0.00672
<b>09/18</b>	0.002 U	0.002 U	0.13	0.002 U	--	0.002 U	72.5	0.00257	0.00483	0.002 U	0.0779	0.002 U	14.8	4.75	0.0002 U	0.00659
<b>04/19</b>	0.001 U	0.001 U	0.151	0.001 U	--	0.001 U	56.5 B	0.001 U	0.00526	0.001 U	0.1 U	0.001 U	17	7.65	0.0001 U	0.00673
<b>07/19</b>	0.001 U	0.001 U	0.152	0.001 U	--	0.001 U	55.3	0.00269	0.00572	0.00237	0.139	0.001 U	15.7	6.68	0.0001 U	0.00755
<b>03/20</b>	0.001 U	0.001 U	0.147	0.001 U	--	0.001 U	61.7	0.001 U	0.00506	0.001 U	0.115	0.001 U	17.3	6.05	0.0001 U	0.00638
<b>07/20</b>	0.001 U	0.00273	0.0656	0.001 U	--	0.001 U	49.3	0.00273	0.0186	0.0029	5.11	0.001 U	25.7	8.71	0.0001 U	0.00793
<b>03/21</b>	0.001 U	0.00228	0.0574	0.001 U	--	0.001 U	51.1	0.001 U	0.0179	0.00222	4.19	0.001 U	25.9	8.28	0.0001 U	0.00628
<b>09/21</b>	0.001 U	0.00284	0.0546	0.001 U	--	0.001 U	51.9	0.001 U	0.0194	0.00154	5.89	0.001 U	27.9	8.78	0.0001 U	0.00648
<b>03/22</b>	0.001 U	0.001 U	0.138	0.001 U	--	0.001 U	65.2	0.00149 J	0.00507 J	0.00465 J	0.21	0.001 U	15	5.2	0.0001 U	0.00378 J
<b>08/22</b>	0.00100 U	0.00100 U	0.142	0.00100 U	--	0.00100 U	63.8	0.00193 J	0.00571 J	0.00184 J	0.168	0.00100 U	15.5	5.01	0.000100 U	0.00585 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

	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	0.05				0.002		
04/01	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	--
09/01	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
03/02	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
09/02	--	0.0057	0.0096 U	--	0.001 U	0.0003 U	--
06/03	--	0.0012 U	0.0096 U	--	0.001 U	0.0003 U	--
03/04	--	0.0007 U	0.0022 U	--	0.0004 U	0.0004 U	--
09/04	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
04/05	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
09/05	--	0.001 U	0.0018 U	--	0.0006 U	0.0004 U	--
04/06	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
09/06	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	--
04/07	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0057
10/07	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0039
03/08	--	0.002 U	0.0001 U	--	0.001 U	0.002 U	0.0048
09/08	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
03/09	--	0.0012 U	0.0043 U	--	0.0008 U	0.0008 U	0.01 U
09/09	2.81	0.002 U	0.002 U	27.2	0.002 U	0.002 U	0.01 U
07/10	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.014
09/10	2.63	0.005 U	0.005 U	28	0.005 U	0.005 U	0.005 U
04/11	2.91	0.005 U	0.005 U	28.7 J	0.005 U	0.005 U	0.00765
09/11	2.86	0.005 U	0.005 U	27.4	0.005 U	0.005 U	0.00658
03/12	2.85	0.005 U	0.005 U	28	0.005 U	0.005 U	0.00607
09/12	2.95	0.005 U	0.005 U	25.4	0.005 U	0.005 U	0.00624
03/13	2.48	0.005 U	0.005 U	26.3	0.005 U	0.005 U	0.00571
09/13	2.71	0.005 U	0.005 U	26.4	0.005 U	0.005 U	0.00571

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

	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	2.61	0.05			0.002		
<b>03/14</b>	2.61	0.005 U	0.005 U	20.1	0.005 U	0.005 U	0.00666
<b>09/14</b>	2.7	0.005 U	0.005 U	24	0.005 U	0.005 U	0.0106
<b>03/15</b>	2.8	0.035 U	0.01 U	25	0.002 U	0.01 U	0.0059 J
<b>09/15</b>	2.7	0.005 U	0.001 U	24	0.001 U	0.005 U	0.005 U
<b>03/16</b>	2.33	0.002 U	0.002 U	22.2	0.001 U	0.002 U	0.002 U
<b>09/16</b>	2.55	0.002 U	0.002 U	23.7	0.001 U	0.002 U	0.00209
<b>03/17</b>	2.62	0.002 U	0.002 U	23.5	0.001 U	0.002 U	0.00206
<b>09/17</b>	2.35	0.002 U	0.002 U	23.2	0.001 U	0.002 U	0.00242
<b>04/18</b>	2.64	0.0022	0.002 U	24.1	0.001 U	0.002 U	0.00224
<b>09/18</b>	2.52	0.002 U	0.002 U	23.7	0.001 U	0.002 U	0.00249
<b>04/19</b>	2.72	0.001 U	0.001 U	25.4	0.001 U	0.001 U	0.004 U
<b>07/19</b>	2.62	0.001 U	0.001 U	24.1	0.001 U	0.001 U	0.004 U
<b>03/20</b>	2.73	0.001 U	0.001 U	23.5	0.001 U	0.001 U	0.004 U
<b>07/20</b>	2.94	0.001 U	0.001 U	35.2	0.001 U	0.001 U	0.00802
<b>03/21</b>	2.89	0.001 U	0.001 U	34.9	0.001 U	0.001 U	0.0112
<b>09/21</b>	3.09	0.001 U	0.001 U	37.9	0.001 U	0.001 U	0.00632
<b>03/22</b>	2.61	0.001 U	0.001 U	24.4	0.001 U	0.001 U	0.00568 J
<b>08/22</b>	2.69	0.00100 U	0.00100 U	27.1	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
04/01	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/01	0.18 U	0.15 U	0.23 U	0.22 U	1.12	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	1 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/02	0.18 U	1 U	1 U	0.22 U	16.91	1 U	0.21 U	1 U	0.2 U	10 U	1 U	2.5	10 U	--	0.18 U	--	0.15 U	--	1.21	0.2 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	--	0.27 U	0.34 U	--	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.78	10 U	0.29 U	0.19 U	--	0.39 U	--	1.09	0.34 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	1.23	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1.59	10 U	1 U	0.19 U	--	0.39 U	--	1	0.34 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1.67	10 U	1 U	0.19 U	--	0.39 U	--	1 U	0.34 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.67	--	--	--	--	--	0.24 U	0.12 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	0.14 U	--	--	--	--	--	0.09 U	0.14 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.85	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	1.24	10 U	--	--	--	--	--	0.71	0.14 U
09/09	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1.16	2.15	0.71	1 U	1 U	2.7	1 U	0.71	1 U
07/10	1 U	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U	1 U	1 U	3	10 U	5 U	5 U	5 U	10 U	0.8	1 U
09/10	2 U	2 U	2 U	2 U	0.87	2 U	2 U	2 U	2 U	2 U	2 U	0.78	1.84	2 U	2 U	2 U	0.5 U	2 U	0.66	2 U
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
<b>03/12</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	4	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/12</b>	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/13</b>	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 U	1.01	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U	1 U	1 U	1.38	1 U	1 U	1 U	1 U	1 U	1 U	1.54	1.59	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/14</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1.65	3.66	5 U	5 U	5 U	5 U	5 U	1 U	--
<b>09/14</b>	1 U	1 U	1 U	1 U	1 U	1.49	1 U	1 U	1 U	1 U	1 U	1 U	1.6	3.52	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/15</b>	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	2.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/15</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.02	2.39	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.24	2.7	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/16</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.26	3.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.39	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/17</b>	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	2.62	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.19	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.16	2.59	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/19</b>	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	2.7	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>07/19</b>	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	2.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/20</b>	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 U	2.7	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>07/20</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1.2	5.9	5 U	5 U	5 U	5 U	5 U	1.5	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	6.9	5 U	5 U	5 U	5 U	5 U	1.3	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	7.2	5 U	5 U	5 U	5 U	5 U	1.2	1 U
<b>03/22</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	3.2	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

08/22	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	3.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80	80		5	100		80	80	70	80	700	10000					5	10000	100	5	
04/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	1.46	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
09/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	2.26	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.6	0.27 U	0.21 U	1 U
03/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	2.52	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	1 U
09/02	0.18 U	0.14 U	0.15 U	1.25 U	1 U	5.15 U	1 U	1 U	1 U	29.93	0.19 U	0.17 U	0.26 U	1 U	2.63	--	0.22 U	1 U	0.27 U	0.21 U	28.07
06/03	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	0.18 U	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1.85	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
09/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.76	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.34	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
09/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.81 U	1 U	0.27 U	0.25 U	9.92	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.14 U	1 U	0.27 U	0.25 U	8.88	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.04 U	1 U	0.27 U	0.25 U	11.07	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
03/08	0.19 U	0.12 U	0.5 U	--	0.13 U	0.68	0.1 U	0.21 U	0.15 U	3.92	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
09/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	3.1	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
03/09	0.11 U	0.16 U	0.12 U	--	0.14 U	2.02	0.13 U	0.12 U	0.2 U	10.93	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
09/09	1 U	1 U	1 U	2.5 U	1 U	1.95	0.44 J	1 U	1 U	10.4	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/10	1 U	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	11	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	5 U	2 U	3.31	0.55 J	2 U	2 U	8.39	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	1 U	1 U	1 U	1 U	1 U	6.1	1 U	1 U	2.6	8.9	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
09/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

	MCL	80	80			5	100			70		80	700	10000			5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/12</b>	1U	1U	1U	1U	1U	1U	5.7	1U	1U	1U	17	1U	1U	--	1U	1U	1U	1U	--	1U	1U	1U
<b>09/12</b>	1U	1U	1U	5U	1U	1U	4.41	1U	1U	1U	14.6	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/13</b>	1U	1U	1U	5U	1U	1U	1.52	1U	1U	1U	8.33	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/13</b>	1U	1U	1U	5U	1U	1U	4.26	1U	1U	1U	18.4	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/14</b>	1U	1U	1U	5U	1U	1U	4.87	1U	1U	1U	15.9	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/14</b>	1U	1U	1U	5U	1U	1U	6.88	1U	1U	1U	20.8	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/15</b>	1U	1U	1U	5U	1U	1U	3.75	1U	1U	1U	10.6	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/15</b>	1U	1U	1U	5U	1U	1U	4.01	1U	1U	1U	10.4	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/16</b>	1U	1U	1U	5U	1U	1U	3.97	1U	1U	1U	10.6	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/16</b>	1U	1U	1U	5U	1U	1U	4.91	1U	1U	1U	11	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>03/17</b>	1U	1U	1U	5U	1U	1U	4.77	1U	1U	1U	12.1	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/17</b>	1U	1U	1U	5U	1U	1U	3.15	1U	1U	1U	13.8	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>04/18</b>	1U	1U	1U	5U	1U	1U	3.2	1U	1U	1U	15.7	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>09/18</b>	1U	1U	1U	5U	1U	1U	2.77	1U	1U	1U	14.5	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
<b>04/19</b>	1U	1U	1U	1U	1U	1U	4.5	1U	1U	1U	13.7	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>07/19</b>	1U	1U	1U	1U	1U	1U	5.5	1U	1U	1U	13.4	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>03/20</b>	1U	1U	1U	1U	1U	1U	5.7	1U	1U	1U	10.7	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>07/20</b>	1U	1U	1U	1U	1U	1U	12	1U	1U	1U	8.6	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>03/21</b>	1U	1U	1U	1U	1U	1U	12.2	1U	1U	1U	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>09/21</b>	1U	1U	1U	1U	1U	1U	11.8	1U	1U	1U	7.3	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
<b>03/22</b>	1U	1U	1U	1U	1U	1U	5.3	1U	1U	1U	9.6	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

08/22	MCL	Concentration (ug/L)	Unit
	80	Bromodichloromethane	(ug/L)
	80	Bromoform	(ug/L)
		Bromomethane	(ug/L)
		Carbon Disulfide	(ug/L)
	5	Carbon Tetrachloride	(ug/L)
	100	Chlorobenzene	(ug/L)
		Chloroethane	(ug/L)
	80	Chloroform	(ug/L)
		Chloromethane	(ug/L)
	20	cis-1,2-Dichloroethene	(ug/L)
		cis-1,3-Dichloropropene	(ug/L)
	80	Dibromochloromethane	(ug/L)
	700	Ethylbenzene	(ug/L)
	10000	m&p-Xylene	(ug/L)
		Methyl Iodide	(ug/L)
		Methyl Tertiary Butyl Ether	(ug/L)
		Methylene Bromide	(ug/L)
	5	Methylene Chloride	(ug/L)
	10000	o-Xylene	(ug/L)
	100	Styrene	(ug/L)
	5	Tetrachloroethene	(ug/L)

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--	--
<b>09/01</b>	0.24 U--	1 U	0.13 U	1 U	1 U	0.18 U	--	--	--	--
<b>03/02</b>	0.24 U--	1 U	0.13 U	0.14 U	1 U	1 U	--	--	--	--
<b>09/02</b>	1 U	--	1 U	0.13 U	0.14 U	21.35	3.01	--	--	--
<b>06/03</b>	0.24 U--	1 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--	--
<b>03/04</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.04	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>04/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>09/06</b>	0.32 U--	1.22	0.24 U	0.3 U	1 U	0.36 U	--	2.67	--	--
<b>04/07</b>	0.32 U--	1.11	0.24 U	0.3 U	1 U	0.36 U	--	2.47	--	--
<b>10/07</b>	0.32 U--	1.26	0.24 U	0.3 U	1 U	0.36 U	--	2.98	--	--
<b>03/08</b>	0.28 U	0.03	0.5 U	0.08 U	--	0.23 U	0.07 U	--	0.52	--
<b>09/08</b>	0.12 U	0.03	0.5 U	0.13 U	--	0.13 U	0.1 U	--	0.18 U	--
<b>03/09</b>	0.12 U	0.02	0.83	0.13 U	--	0.75	0.1 U	--	2.04	--
<b>09/09</b>	1 U	--	0.76 J	1 U	1 U	0.44 J	1 U	--	2.35	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	3	--
<b>09/10</b>	2 U	--	0.66 J	2 U	2 U	2 U	2 U	2 U	3.18	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	3.2	1 U	1 U
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

	MCL	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)
	1000	80	100				5			2	10000
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	4	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	3.68	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.78	1 U	1 U
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	4.41	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	3.53	1 U	1 U
<b>09/14</b>	1 U	--	1.2	1 U	5 U	1 U	1 U	5 U	3.83	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.8	1 U	1 U
<b>09/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.55	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.05	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.06	1 U	1 U
<b>09/17</b>	1.64	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.07	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U
<b>07/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U
<b>03/22</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

	MCL	1000	80	100								
		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)										
<b>08/22</b>		1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB10 - General Parameters**

	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)		ORP, Field (mV)		pH, Field (SU)		pH, Lab (SU)		Phosphate (mg/L)		Specific Conductivity, Field (uS/cm)		Specific Conductivity, Lab (umhos/cm)		Sulfate, total (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																																								
09/01	--	--	--	29.5158	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	--	--	--	--	--		
03/02	--	--	--	34.7181	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.6	--	--	--	--	--			
06/03	--	--	--	57.2618	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26.3	--	--	--	--	--			
10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
03/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
09/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
04/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
09/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
04/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
09/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
04/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
09/09	110	0.2 U	6 J	82.4	--	160	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7	--	368	--	--	--	2.09	--	--	--	--	--	--			
09/10	134	0.2 U	10.3	83.6	--	230	0.008 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	552	--	--	--	1.16	--	--	--	--	--	--			
04/11	116	0.2 U	10 U	89	--	230	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	456	--	--	--	0.443	--	--	--	--	--	--			
09/11	122	0.2 U	10 U	94.1	--	226	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	492	--	--	--	--	--	--	--	--	--	--			
03/12	119	0.2 U	7.5	100	--	210	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	480	--	--	--	--	--	--	--	--	--	--			
09/12	133	0.2 U	10 U	121	--	244	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4 U	--	396	--	--	--	--	--	--	--	--	--	--			
04/13	116	0.2 U	10 U	120	0.02	234	0.2 U	253	6.20	--	--	654	--	4 U	13.94	440	--	--	--	--	--	--	--	4 U	13.94	440	--	--	--	--	--	--	--	0	--	--	0	--		
09/13	139	0.2 U	10 U	136	0.03	278	0.2 U	197	6.12	--	--	636.8	--	4 U	13.94	434	--	--	--	--	--	--	--	4 U	13.94	434	--	--	--	--	--	--	--	--	--	0	--			

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - General Parameters**

	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)		ORP, Field (mV)		pH, Field (SU)		pH, Lab (SU)		Phosphate (mg/L)		Specific Conductivity, Field (uS/cm)		Specific Conductivity, Lab (umhos/cm)		Sulfate, total (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																																								
<b>03/14</b>	116	0.2 U	10 U	144	0.02	256	0.2 U	208	6.03	--	--	596.2	--	4 U	13.05	340	--	--	--	--	--	0																		
<b>09/14</b>	132	0.2 U	10.7	159	1.23	292	0.2 U	144	6.32	--	--	663.6	--	4 U	13.91	466	--	--	--	--	--	0.3																		
<b>03/15</b>	116	0.2 U	10 U	147	0	276	0.2 U	188	6.09	--	--	589.7	--	4 U	13.22	424	--	--	--	--	0																			
<b>09/15</b>	136	0.2 U	12.2	185	0.75	332	0.2 U	94	5.85	--	--	787.5	--	4 U	15.3	523	--	--	--	--	0																			
<b>03/16</b>	114	0.2 U	10 U	179	0	294	0.2 U	237	5.97	--	--	671	--	4 U	12.81	399	--	--	--	--	0																			
<b>08/16</b>	132	0.2 U	12	187	1.72	368	0.2 U	134	5.76	--	--	765.7	--	4 U	14.59	579	--	--	--	--	0																			
<b>03/17</b>	131	0.2 U	10 U	183	--	344	0.2 U	155	5.99	--	--	717.8	--	4 U	13.46	371	--	--	--	--	0																			
<b>09/17</b>	126	0.2 U	10 U	183	--	292	0.2 U	210	6.10	--	--	766.2	--	4 U	14.83	600	--	--	--	--	0.6																			
<b>04/18</b>	137	0.2 U	10.6	202	--	353	0.2 U	62	6.00	--	--	841.7	--	4 U	10.32	374	--	--	--	--	0																			
<b>09/18</b>	121	0.2 U	10.8	186	0.85	318	0.2 U	32	5.97	--	--	805.2	--	4 U	17.37	481	--	--	--	--	0																			
<b>04/19</b>	150	0.1 U	18.3	228	0.02	361 B	0.2 U	51.3	5.95	6.08	--	1183	990	1.7	14.7	710	--	2.6 U	0.788	2.2																				
<b>07/19</b>	167	0.1 U	24.7	244	0.23	377 B	0.2 U	199.9	5.89	2.88	--	941	1090	2.6	14.7	952	--	2.3 U	0.5 U	0																				
<b>03/20</b>	152	0.1 U	15.7	238	0.62	410	0.2 U	-1	5.80	6.27	--	1246	1060	1.63	12.3	782	--	6	1.82	0.3																				
<b>08/20</b>	161	0.1 U	19.4	269	0.76	428	0.2 U	33.3	6.08	6.03	--	1064	1180	1.52	19.4	659	--	18.5	1.53	4.8																				
<b>03/21</b>	172	0.1 U	12.1	268	0.09	401	0	22.3	5.96	6.19	--	1013	1180	0.3 U	14.1	615	--	11.3	0.972	2.24																				
<b>09/21</b>	160	0.05 U	46.6	278	0.22	426	0.011 U	171	5.80	6.01	--	1129	1170	1.1	19.8	619	--	31.8	0.5 U	3.7																				
<b>03/22</b>	167	0.04 J	14.5	287	1.06	494	0.011 U	0.2	5.90	6.14	--	1068	1239	1.8 J	12.1	676	--	11.6	2.63	2.77																				
<b>08/22</b>	167	0.05 J	19.7	292	0.65	492	0.011 U	19.3	5.88	6.03	--	1061.0	1239	1.5 J	15.5	781	--	4.5	0.708	1.70																				

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
09/01	0.002 U	0.002 U	0.0567	0.0017 U	--	0.002 U	--	0.0012 U	0.0044	0.0086	--	0.0247	--	2.59	0.0001 U
03/02	0.0005 U	0.002 U	0.0506	0.0017 U	--	0.0034	--	0.0012 U	0.0023	0.0119	--	0.0063	--	2.322	0.0001 U
06/03	0.0007 U	0.002 U	0.0434	0.0004 U	--	0.002 U	--	0.002 U	0.0029	0.0161	--	0.0021	--	2.196	0.0002 U
10/03	0.0009 U	0.0008 U	0.0413	0.0016 U	--	0.0007 U	--	0.0005 U	0.0027	0.01 U	--	0.002 U	--	2.03	0.0002 U
03/04	0.0009 U	0.0008 U	0.0436	0.0016 U	--	0.002 U	--	0.0005 U	0.0036	0.01 U	--	0.002 U	--	20.38	0.0002 U
09/04	0.0028 U	0.002 U	0.0425	0.0012 U	--	0.002 U	--	0.002 U	0.0035	0.0132	--	0.002 U	--	2.248	0.0001 U
04/05	0.0028 U	0.0006 U	0.0375	0.0012 U	--	0.002 U	--	0.0007 U	0.0026	0.01 U	--	0.002 U	--	1.9194	0.0001 U
09/05	0.0028 U	0.002 U	0.0379	0.0012 U	--	0.002 U	--	0.0007 U	0.0029	0.01 U	--	0.002 U	--	2.04	0.0001 U
04/06	0.0006 U	0.0006 U	0.03	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.008	--	0.002 U	--	0.002 U	0.0001 U
09/06	0.0007 U	0.004	0.0778	0.0009 U	--	0.002 U	--	0.002 U	0.0035	0.0083	--	0.0021	--	2.376	0.0002 U
04/07	0.0007 U	0.0008 U	0.0366	0.0009 U	0.02 U	--	--	0.0007 U	0.002 U	0.0079	--	0.002 U	--	--	0.0002 U
10/07	0.0007 U	0.0008 U	0.0491	0.0009 U	0.02 U	--	--	0.002 U	0.0041	0.0082	--	0.0031	--	--	0.0002 U
03/08	0.0005 U	0.0006 U	0.0321	0.001 U	0.005 U	--	--	0.002 U	0.0022	0.0041	--	0.002 U	--	--	0.0002 U
03/09	0.002 U	0.002 U	0.0401	0.0012 U	0.01 U	--	--	0.0007 U	0.002 U	0.0063	--	0.002 U	--	--	0.0002 U
09/09	0.002 U	0.002 U	0.0468	0.002 U	--	0.002 U	38.6	0.002 U	0.0029	0.006	0.598	0.002 U	19.4	2.63	0.0002 U
07/10	0.001 U	0.0015	0.053	0.001 U	--	0.001 U	--	0.0008 J	0.0067	0.0016	--	0.0014	--	--	0.0002 U
09/10	0.005 U	0.005 U	0.0553	0.005 U	--	0.005 U	43.4	0.005 U	0.0059	0.0057	1.28	0.005 U	24	3.47	0.0002 U
04/11	0.005 U	0.005 U	0.0531	0.005 U	--	0.005 U	39.8 J	0.005 U	0.005 U	0.005 U	0.783	0.005 U	24.9 J	2.68	0.0002 U
09/11	0.005 U	0.005 U	0.0534	0.005 U	--	0.005 U	45.8	0.005 U	0.005 U	0.005 U	1.12	0.005 U	27.8	3.03	0.0002 U
03/12	0.005 U	0.005 U	0.0569	0.005 U	--	0.005 U	48.1	0.005 U	0.00519	0.005 U	0.975	0.005 U	25.8	3.15	0.0002 U
09/12	0.005 U	0.005 U	0.0573	0.005 U	--	0.005 U	50.1	0.005 U	0.00809	0.005 U	1.63	0.005 U	28.1	4.31	0.0002 U
04/13	0.005 U	0.005 U	0.0562	0.005 U	--	0.005 U	45	0.005 U	0.00674	0.0109	1.14	0.005 U	25.1	3.66	0.0002 U
09/13	0.005 U	0.005 U	0.0763	0.005 U	--	0.005 U	55.8	0.005 U	0.00837	0.005 U	1.75	0.005 U	34.4	5.2	0.0002 U
03/14	0.005 U	0.005 U	0.0622	0.005 U	--	0.005 U	53.3	0.005 U	0.0062	0.005 U	1.14	0.005 U	30.3	3.96	0.0002 U
09/14	0.005 U	0.005 U	0.0699	0.005 U	--	0.005 U	56.6	0.005 U	0.00784	0.005 U	1.58	0.005 U	32.5	5.01	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>03/15</b>	0.002 U	0.002 U	0.047	0.002 U	--	0.004 U	62	0.01 U	0.0053 J	0.01 U	0.4	0.002 U	34	3.7	0.0002 U
<b>09/15</b>	0.001 U	0.0023	0.064	0.001 U	--	0.0005 U	67	0.005 U	0.0091	0.005 U	1.3	0.001 U	40	5.8	0.0002 U
<b>03/16</b>	0.002 U	0.002 U	0.0591	0.002 U	--	0.002 U	59.7	0.002 U	0.00549	0.002 U	0.971	0.002 U	33.7	4.68	0.0002 U
<b>08/16</b>	0.002 U	0.002 U	0.0769	0.002 U	--	0.002 U	64.3	0.002 U	0.00904	0.002 U	1.45	0.002 U	36.2	6.57	0.0002 U
<b>03/17</b>	0.002 U	0.00217	0.102	0.002 U	--	0.002 U	62.6	0.00232	0.0122	0.002 U	1.33	0.002 U	34.9	7.72	0.0002 U
<b>09/17</b>	0.002 U	0.002 U	0.1	0.002 U	--	0.002 U	69	0.00297	0.00932	0.002 U	1.33	0.002 U	36.4	6.6	0.0002 U
<b>04/18</b>	0.002 U	0.00281	0.0566	0.002 U	--	0.002 U	78.1	0.00319	0.00527	0.00305	0.498	0.002 U	38.3	3.45	0.0002 U
<b>09/18</b>	0.002 U	0.00255	0.0799	0.002 U	--	0.002 U	71	0.002 U	0.01	0.004	0.613	0.002 U	34.1	5.57	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.12	0.001 U	--	0.001 U	64.5	0.001 U	0.0218	0.001 U	1.61	0.001 U	48.5	14.4	0.0001 U
<b>07/19</b>	0.001 U	0.001 U	0.135	0.001 U	--	0.001 U	69.8 B	0.00114	0.0266	0.00155	2.8	0.001 U	49.2	14.9	0.0001 U
<b>03/20</b>	0.001 U	0.001 U	0.139	0.001 U	--	0.001 U	76.2	0.00148	0.0258	0.001 U	2.06	0.00109	53.3	14.8	0.0001 U
<b>08/20</b>	0.001 U	0.001 U	0.143	0.001 U	--	0.001 U	76.8	0.00108	0.0287	0.00142	2.56	0.001 U	57.4	15.3	0.0001 U
<b>03/21</b>	0.001 U	0.00102	0.077	0.001 U	--	0.001 U	81.4	0.00127	0.0117	0.00218	1.28	0.00133	48	7.42	0.000118
<b>09/21</b>	0.001 U	0.001 U	0.135	0.001 U	--	0.001 U	80.6	0.001 U	0.0216	0.001 U	1.98	0.001 U	54.5	14	0.0001 U
<b>03/22</b>	0.001 U	0.001 U	0.0878	0.001 U	--	0.001 U	104	0.00147 J	0.0133	0.00292 J	1.26	0.00185 J	56.9	8.61	0.000186 J
<b>08/22</b>	0.00100 U	0.00100 U	0.14	0.00100 U	--	0.00100 U	95.7	0.00100 U	0.0232	0.00100 U	1.72	0.00100 U	61.3	14.7	0.000100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

	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			0.05			0.002		
09/01	0.01 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.0007 U	--
03/02	0.01 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
06/03	0.0049	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
10/03	0.0049	--	0.0007 U	0.0022 U	--	0.0004 U	0.0004 U	--
03/04	0.0056	--	0.0007 U	0.0022 U	--	0.0004 U	0.0004 U	--
09/04	0.0074	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
04/05	0.0048	--	0.001 U	0.0018 U	--	0.0006 U	0.0004 U	--
09/05	0.0051	--	0.001 U	0.0018 U	--	0.0006 U	0.0004 U	--
04/06	0.0056	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
09/06	0.008	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	--
04/07	0.0057	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.023
10/07	0.0066	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0198
03/08	0.0049	--	0.002 U	0.0001 U	--	0.0001 U	0.002 U	0.0087
03/09	0.0049	--	0.002 U	0.0009 U	--	0.0002 U	0.0008 U	0.0107
09/09	0.0079	2.81	0.002 U	0.002 U	19	0.002 U	0.002 U	0.01 U
07/10	0.0072	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.014
09/10	0.0079	2.65	0.005 U	0.005 U	20.3	0.005 U	0.005 U	0.00595
04/11	0.0063	3.28	0.005 U	0.005 U	18.4	0.005 U	0.005 U	0.00573
09/11	--	3	0.005 U	0.005 U	19.6	0.005 U	0.005 U	0.00698
03/12	0.00814	3.02	0.005 U	0.005 U	18.2	0.005 U	0.005 U	0.00662
09/12	0.012	3.32	0.005 U	0.005 U	18.3	0.005 U	0.005 U	0.00705
04/13	0.0112	3.44	0.005 U	0.005 U	19.8	0.005 U	0.005 U	0.00562
09/13	0.0119	2.98	0.005 U	0.005 U	20.8	0.005 U	0.005 U	0.00811
03/14	0.00829	3.09	0.005 U	0.005 U	19.6	0.005 U	0.005 U	0.00671
09/14	0.0101	3.29	0.005 U	0.005 U	21	0.005 U	0.005 U	0.00864

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

	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			0.05			0.002		
<b>03/15</b>	0.011	3.4	0.035 U	0.01 U	21	0.002 U	0.01 U	0.01 U
<b>09/15</b>	0.01 U	3.6	0.007	0.001 U	23	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.00823	3.42	0.004	0.002 U	20.4	0.001 U	0.002 U	0.00209
<b>08/16</b>	0.0111	3.13	0.0041	0.002 U	21.5	0.001 U	0.002 U	0.00222
<b>03/17</b>	0.0143	3.24	0.00583	0.002 U	21.9	0.001 U	0.002 U	0.00366
<b>09/17</b>	0.0124	3.2	0.00357	0.002 U	22.1	0.001 U	0.002 U	0.00404
<b>04/18</b>	0.00951	3.46	0.00645	0.002 U	22.6	0.001 U	0.002 U	0.00889
<b>09/18</b>	0.0132	3.28	0.00557	0.002 U	21.2	0.001 U	0.002 U	0.0156
<b>04/19</b>	0.0225	3.68	0.001 U	0.001 U	27.5	0.001 U	0.001 U	0.00543
<b>07/19</b>	0.026	3.78	0.001 U	0.001 U	26.9 B	0.001 U	0.001 U	0.0073
<b>03/20</b>	0.0287	4.32	0.001 U	0.001 U	29.9	0.001 U	0.001 U	0.004 U
<b>08/20</b>	0.0294	4.5	0.001 U	0.001 U	32.3	0.001 U	0.001 U	0.00588
<b>03/21</b>	0.0116	3.95	0.001 U	0.001 U	26.7	0.001 U	0.001 U	0.00779
<b>09/21</b>	0.0261	4.36	0.001 U	0.001 U	30.2	0.001 U	0.001 U	0.00458
<b>03/22</b>	0.0165	4.45 B	0.001 U	0.001 U	29.4	0.001 U	0.001 U	0.00538 J
<b>08/22</b>	0.0259	4.74	0.00100 U	0.00100 U	34.2	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	75									
09/01	0.18 U	0.15 U	0.23 U	1 U	4.99	1 U	0.21 U	0.14 U	0.2 U	10 U	1 U	3.03	10 U	--	0.18 U	--	1 U	--	3.1	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	1 U	3.2	1 U	0.21 U	0.14 U	0.2 U	10 U	1 U	2.03	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	1 U	1 U	1.58	1 U	3.18	1 U	1.3	5.71	1 U	10 U	1 U	1.88	10 U	--	0.18 U	--	1 U	--	1.95	0.2 U	1 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	2.23	1 U	0.21 U	1 U	0.2 U	1 U	1 U	1.52	1.2	0.11	0.18 U	--	0.15 U	--	1.18	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	3.88	1 U	0.21 U	1 U	0.2 U	0.19 U	1 U	2.16	1.28	3.43	1 U	--	0.15 U	--	1.77	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	3.7	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	3.11	10 U	0.29 U	1 U	--	0.39 U	--	2.14	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	1.99	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	2.01	10 U	1 U	1 U	--	0.39 U	--	1 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	2.99	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	2.36	10 U	0.29 U	0.19 U	--	0.39 U	--	1.87	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	1.08	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	11 U	0.27 U	0.34 U	11 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	2.2	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.48	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	4.99	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	4.46	10 U	1 U	1 U	--	0.39 U	--	2.86	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	1.04	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	1.55	10 U	--	--	--	--	--	0.73	0.12 U	0.19 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	3.49	1 U	0.49 J	1 U	1 U	1.23	0.56 J	2.53	4.84	1 U	1 U	1 U	1.67	1 U	1.72	1 U	1 U
07/10	1 U	1 U	1 U	1 U	6	1 U	1 U	10 U	1 U	1 U	1 U	1 U	6	10 U	5 U	5 U	5 U	10 U	2	1 U	1 U
09/10	2 U	2 U	2 U	2 U	5.6	2 U	2 U	2 U	2 U	2 U	0.64 J	2.65	5.54	2 U	2 U	2 U	2 U	2 U	2.04	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	5 U	2.4	1 U	1 U
03/12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32	1 U	2.8	5	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U
09/12	1 U	1 U	1 U	1 U	4.06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.09	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
		200		5	5	5	5	0.2	0.05	600	5	5	75						5		80	
<b>04/13</b>	1 U	1 U	1 U	1 U	1 U	7.23	1 U	1 U	1 U	1.02	1.43	5.86	12.9	5 U	5 U	5 U	5 U	5 U	3.49	1 U	1 U	
<b>09/13</b>	1 U	1 U	1 U	1 U	1 U	4.91	1 U	1 U	1 U	1 U	1 U	1 U	2.36	9.31	5 U	5 U	5 U	5 U	2.16	1 U	1 U	
<b>03/14</b>	1 U	1 U	1 U	1 U	1 U	3.33	1 U	1 U	1 U	--	1 U	2.69	7.07	5 U	5 U	5 U	5 U	5 U	1.76	--	1 U	
<b>09/14</b>	1 U	1 U	1 U	1 U	1 U	3.73	1 U	1 U	1 U	1 U	1 U	1 U	3.25	8.74	5 U	5 U	5 U	5 U	2.26	1 U	1 U	
<b>03/15</b>	1 U	1 U	1 U	1 U	1 U	2.86	1 U	1 U	1 U	1 U	1 U	1 U	2.86	6.93	5 U	5 U	5 U	5 U	1.89	1 U	1 U	
<b>09/15</b>	1 U	1 U	1 U	1 U	1 U	3.45	1 U	1 U	1 U	1 U	1 U	1.01	4.26	10.4	5 U	5 U	5 U	5 U	2.43	1 U	1 U	
<b>03/16</b>	1 U	1 U	1 U	1 U	1 U	2.68	1 U	1 U	1 U	1 U	1 U	1 U	3.31	8.46	5 U	5 U	5 U	5 U	2.23	1 U	1 U	
<b>08/16</b>	1 U	1 U	1 U	1 U	1 U	2.48	1 U	1 U	1 U	1 U	1 U	1 U	3.19	9.39	5 U	5 U	5 U	5 U	2.16	1 U	1 U	
<b>03/17</b>	1 U	1 U	1 U	1 U	1 U	2.22	1 U	1 U	1 U	1 U	1 U	1 U	2.9	8.88	5 U	5 U	5 U	5 U	1.99	1 U	1 U	
<b>09/17</b>	1 U	1 U	1 U	1 U	1 U	1.97	1 U	1 U	1 U	1 U	1 U	1 U	2.53	7.57	5 U	5 U	5 U	5 U	1.74	1 U	1 U	
<b>04/18</b>	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	1 U	2.9	7.41	5 U	5 U	5 U	5 U	1.95	1 U	1 U	
<b>09/18</b>	1 U	1 U	1 U	1 U	1 U	1.34	1 U	1 U	1 U	1 U	1 U	1 U	1.6	5.37	5 U	5 U	5 U	5 U	1.27	1 U	1 U	
<b>04/19</b>	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1 U	3.3	9.5	5 U	5 U	5 U	5 U	2.4	1 U	1 U	
<b>07/19</b>	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U	1 U	3.4	11.1	5 U	5 U	5 U	5 U	2.8	1 U	1 U	
<b>03/20</b>	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	2.4	9.8	5 U	5 U	5 U	5 U	2.2	1 U	1 U	
<b>08/20</b>	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	0.048 U	0.019 U	1 U	1 U	2.9	11.3	5 U	5 U	5 U	5 U	2.5	1 U	1 U	
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	0.046 U	0.019 U	1 U	1 U	2.1	10.7	5 U	5 U	5 U	5 U	2.2	1 U	1 U	
<b>09/21</b>	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1.9	11.4	5 U	5 U	5 U	5 U	1.7	1 U	1 U	
<b>03/22</b>	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	0.048 U	0.019 U	1 U	1 U	2.2	10.8	5 U	5 U	5 U	5 U	2.1	1 U	1 U	
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	2.1	11.0	5.0 U	5.0 U	5.0 U	5.0 U	1.9	1.0 U	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80			5	100			80		70			80	700	10000			5	10000	100	5	
09/01	0.14 U	0.15 U	1 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	85.97	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	21.95	0.27 U	0.21 U	9.01
03/02	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	35.9	0.19 U	--	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	12.02
06/03	1 U	0.15 U	1.75 U	1 U	1 U	1 U	1 U	0.21 U	22.43	1 U	--	1 U	1 U	2.84 U	1 U	--	1 U	1 U	1 U	1 U	9.45
10/03	0.14 U	1 U	1 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	18.6	0.19 U	--	0.17 U	0.26 U	1 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	6.03
09/04	0.27 U	0.31 U	2.5 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	22.03	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	10.04	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	2.28
09/05	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	21.18	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	4.81	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
09/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/07	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	13.7	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	2.47
10/07	0.27 U	1 U	2.5 U	0.25 U	1.01 U	0.31 U	0.27 U	0.25 U	34.09	0.29 U	--	0.27 U	1 U	0.4 U	0.28 U	--	0.25 U	0.34 U	1 U	1 U	1 U
03/08	0.12 U	0.5 U	--	0.13 U	0.5 U	0.1 U	0.21 U	0.15 U	20.83	0.13 U	--	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
03/09	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	0.14 U	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
09/09	1 U	0.36 J	2.5 U	1 U	0.94 J	1 U	1 U	1 U	17.9	1 U	--	1 U	0.39 J	0.83 J	1 U	0.4 J	1 U	1 U	0.34 J	0.28 J	1.03
07/10	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	29	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	4
09/10	2 U	2 U	5 U	2 U	0.98 J	0.68 J	2 U	2 U	24	2 U	--	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	1.95 J
04/11	1 U	1 U	2.3	1 U	1 U	1 U	1 U	6.2	9.6	1 U	--	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
09/11	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 U	2 U	1 U	1 U	--	1 U	2.3
03/12	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	24	1 U	--	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.8
09/12	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	25.6	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	
	80				5	100		80		70			80	700	10000				5	10000	100	5	
<b>04/13</b>	1 U	1 U	5 U	1 U	3.16	1 U	1 U	1 U	1 U	51.2	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	3.43
<b>09/13</b>	1 U	1 U	5 U	1 U	1.2	1 U	1 U	1 U	1 U	33.9	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/14</b>	1 U	1 U	5 U	1 U	2	1 U	1 U	1 U	1 U	29	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.75
<b>09/14</b>	1 U	1 U	5 U	1 U	2.77	1 U	1 U	1 U	1 U	36.7	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.88
<b>03/15</b>	1 U	1 U	5 U	1 U	2.25	1 U	1 U	1 U	1 U	30.8	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1.26
<b>09/15</b>	1 U	1 U	5 U	1 U	3.46	1 U	1 U	1 U	1 U	46.1	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/16</b>	1 U	1 U	5 U	1 U	3.18	1 U	1 U	1 U	1 U	38.8	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/16</b>	1 U	1 U	5 U	1 U	3.57	1 U	1 U	1 U	1 U	39	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/17</b>	1 U	1 U	5 U	1 U	3.26	1 U	1 U	1 U	1 U	37.6	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/17</b>	1 U	1 U	5 U	1 U	3.12	1 U	1 U	1 U	1 U	31.3	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/18</b>	1 U	1 U	5 U	1 U	3.1	1 U	1 U	1 U	1 U	31.6	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/18</b>	1 U	1 U	5 U	1 U	2.26	1 U	1 U	1 U	1 U	18.9	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U	1 U	4.4	1 U	1 U	1 U	1 U	36.9	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	1 U	1 U	1 U	1 U	5.9	1 U	1 U	1 U	1 U	42.2	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	4.8	1 U	1 U	1 U	1 U	32.9	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	1 U	1 U	1 U	1 U	5.4	1 U	1 U	1 U	1 U	40.6	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	5.4	1 U	1 U	1 U	1 U	25.6	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	5.6	1 U	1 U	1 U	1 U	23.5	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	1 U	1 U	1 U	1 U	5.7	1 U	1 U	1 U	1 U	23.1	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 U
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	5.8	1.0 U	1.0 U	1.0 U	1.0 U	22.7	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>09/01</b>	1 U	--	2.19	0.13 U	0.14 U	50.56	1 U	--	--	--
<b>03/02</b>	0.24 U	--	1 U	0.13 U	0.14 U	25.98	1 U	--	--	--
<b>06/03</b>	1 U	--	1.79	0.13 U	1 U	14.45	1 U	--	--	--
<b>10/03</b>	1 U	--	1	0.13 U	0.14 U	19.73	0.18 U	--	2.13	--
<b>03/04</b>	0.24 U	--	0.22 U	0.13 U	1 U	15.42	1 U	--	5.87	--
<b>09/04</b>	0.32 U	--	1.8	0.24 U	0.3 U	33.16	1 U	--	9.43	--
<b>04/05</b>	0.32 U	--	1.07	0.24 U	1 U	15.67	0.36 U	--	5.66	--
<b>09/05</b>	0.32 U	--	1.96	0.24 U	0.3 U	23.54	0.36 U	--	9.35	--
<b>04/06</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	8.76	0.36 U	--	0.32 U	--
<b>09/06</b>	0.32 U	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
<b>04/07</b>	0.32 U	--	1 U	0.24 U	0.3 U	10.6	0.36 U	--	2.43	--
<b>10/07</b>	1 U	--	5.04	0.24 U	0.3 U	28.64	0.36 U	--	16.03	--
<b>03/08</b>	0.28 U	0.04	1.12	0.08 U	--	1.31	0.07 U	--	2.15	--
<b>03/09</b>	0.12 U	0.02	0.14 U	0.13 U	--	0.13 U	0.1 U	--	0.18 U	--
<b>09/09</b>	0.27 J	--	2.39	1 U	1 U	13.3	1 U	--	6.07	--
<b>07/10</b>	1 U	--	4	1 U	5 U	16	1 U	1 U	7	--
<b>09/10</b>	2 U	--	3.94	2 U	2 U	13.4	2 U	2 U	11.7	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	1 U	--	3.9	1 U	5 U	11	1 U	1 U	17	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	12	1 U	1 U	9	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	14.4	1 U	5 U	12.5	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/13</b>	1 U	--	5.16	1 U	5 U	25.4	1 U	5 U	26.6	1 U
<b>09/13</b>	1 U	--	2.22	1 U	5 U	17.9	1 U	5 U	14.4	1 U
<b>03/14</b>	1 U	--	2.61	1 U	5 U	12.6	1 U	5 U	15.2	1 U
<b>09/14</b>	1 U	--	3.11	1 U	5 U	13.1	1 U	5 U	19.2	1 U
<b>03/15</b>	1 U	--	2.61	1 U	5 U	10	1 U	5 U	17.1	1 U
<b>09/15</b>	1 U	--	3.05	1 U	5 U	15.6	1 U	5 U	23.5	1 U
<b>03/16</b>	1 U	--	2.43	1 U	5 U	11.9	1 U	5 U	18.2	1 U
<b>08/16</b>	1 U	--	2.39	1 U	5 U	10.2	1 U	5 U	18.1	1 U
<b>03/17</b>	1 U	--	2.17	1 U	5 U	8.95	1 U	5 U	15.4	1 U
<b>09/17</b>	1 U	--	1.87	1 U	5 U	6.5	1 U	5 U	13.2	1 U
<b>04/18</b>	1 U	--	2.32	1 U	5 U	4.26	1 U	5 U	16.3	1 U
<b>09/18</b>	1 U	--	1.31	1 U	5 U	3.17	1 U	5 U	10.5	1 U
<b>04/19</b>	1 U	--	2.2	1 U	1 U	5.8	1 U	1 U	20.9	1 U
<b>07/19</b>	1 U	--	2.9	1 U	1 U	6	1 U	1 U	28.1	1 U
<b>03/20</b>	1 U	--	1.8	1 U	1 U	3.1	1 U	1 U	19.2	1 U
<b>08/20</b>	1 U	--	2.3	1 U	1 U	2.5	1 U	1 U	27.3	1 U
<b>03/21</b>	1 U	--	1.9	1 U	1 U	2.2	1 U	1 U	27.8	1 U
<b>09/21</b>	1 U	--	1.6	1 U	1 U	2.5	1 U	1 U	21.4	1 U
<b>03/22</b>	1 U	--	1.9	1 U	1 U	1.7	1 U	1 U	24.8	1 U
<b>08/22</b>	1.0 U	--	1.6	1.0 U	1.0 U	1.8	1.0 U	1.0 U	16.9	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																				
<b>04/01</b>	--	--	--	167.944	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.1	--
<b>09/01</b>	--	--	--	195.564	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.1	--
<b>03/02</b>	--	--	--	250.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	97.7	--
<b>09/02</b>	--	--	--	86.7173	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7	--
<b>06/03</b>	--	--	--	185.233	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	24.1	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0138	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.011	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.05	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0132	--	--	--	--	--	0.045	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.014	--	--	--	--	--	0.11	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.015	--	--	--	--	--	0.052	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	270	0.222	30.8	310	--	540	0.2 U	--	--	--	--	--	--	12.6	--	1192	--	--	1.97	--
<b>09/10</b>	280	1.7	30	290	--	660	0.2 U	--	--	--	--	--	--	18.4	--	1068	--	--	3.31	--
<b>04/11</b>	292	2.11	33.7	211	--	524	0.2 U	--	--	--	--	--	--	17 J	--	908	--	--	0.83	--
<b>09/11</b>	285	1.59	21.6	297	--	598	0.2 U	--	--	--	--	--	--	15	--	304	--	--	--	--
<b>03/12</b>	279	1.11	30.4	300	--	500	0.2 U	--	--	--	--	--	--	15.8	--	1048	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/12</b>	288	1.25	17.8	312	--	508	0.2 U	--	--	--	--	--	--	15.7	--	904	--	--	--	--
<b>03/13</b>	298	1.79	26.5	282	0.03	466	0.2 U	350	6.00	--	--	1.552	--	16.6	15.39	830	--	--	--	0
<b>09/13</b>	302	1.18	23.1	327	0.03	516	0.2 U	292	5.61	--	--	1481	--	15.7	16.85	936	--	--	--	0
<b>03/14</b>	295	1.99	20.6	266	0.03	456	0.2 U	306	5.71	--	--	1274	--	20	15.72	1016	--	--	--	4.13
<b>09/14</b>	49	1	29.4	329	1.53	544	0.2 U	295	5.94	--	--	1510	--	15.4	16.6	854	--	--	--	0
<b>03/15</b>	285	0.356	31.3	325	0	300	0.2 U	321	6.42	--	--	1276	--	12.5	15.49	908	--	--	--	0
<b>09/15</b>	333	0.423	35.1	425	2.65	660	0.2 U	234	5.83	--	--	1873	--	8.49	25.35	969	--	--	--	0
<b>03/16</b>	316	0.305	31.8	401	0	600	0.2 U	296	5.97	--	--	1580	--	12.2	15.31	884	--	--	--	1.7
<b>08/16</b>	351	0.371	34.4	387	--	584	0.2 U	267	5.66	--	--	1686	--	12.2	16.83	989	--	--	--	0
<b>03/17</b>	107	0.299	26	428	--	588	0.2 U	302	5.94	--	--	1736	--	11.1	15.2	978	--	--	--	0
<b>09/17</b>	330	0.566	28.9	358	--	600	0.2 U	291	5.97	--	--	151598	--	12	16.79	909	--	--	--	0.6
<b>03/18</b>	327	0.273	37.4	396	--	700	0.2 U	133	6.01	--	--	1634	--	12.9	16.63	940	--	--	--	3.3
<b>09/18</b>	325	0.431	32.4	399	--	640	0.2 U	119	5.93	--	--	394.5	--	11.6	19.89	991	--	--	--	2.5
<b>04/19</b>	353	0.58	34	404	0.11	602 B	0.4	83.2	5.86	5.53	--	2200	1840	9.8	15.6	1170	--	2.6 U	1.83	1.7
<b>07/19</b>	356	0.46	27.8	426	0.23	603 B	0.7	200	5.81	5.26	--	1750	1870	10.7	17.4	1150	--	7.3	2.34	0
<b>03/20</b>	345	0.47	32.6	394	0.44	687	0.2 U	122.4	5.87	5.99	--	1738	1850	10.7	15.1	1040	--	3.1	1.72	0.1
<b>07/20</b>	349	0.54	52.7	424	0.54	663	1.21	129.3	5.50	6.00	--	1773	1980	9.71	18.6	1050	--	3.4	0.687	0.5
<b>03/21</b>	378	0.58	31.5	434	0.07	632	0	87.1	5.84	5.96	--	1814	1990	9.7	16.6	895	--	33	18.5	6.71
<b>09/21</b>	397	0.54	51.3	452	0.71	694	0.011 U	84	5.98	5.97	--	1922	2050	28	18.1	1200	--	7.3	1.66	1.9
<b>03/22</b>	388	0.46 J	31.7	442	0.84	761	0.011 U	76.1	5.79	5.98	--	1941	2077	7.9	16.2	1110	--	48.4	17.1	123.4
<b>08/22</b>	428	0.53 J	50.5	447	0.68	812	0.011 U	901.0	5.85	5.98	--	1930.0	2134	8.0	18.5	1170	--	10.2	2.30	4.70

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0007 U	0.002 U	0.1587	0.0005 U	--	0.0049	--	0.0003 U	0.0764	0.01 U	--	0.0013 U	--	5.42	0.0002 U	0.0293
09/01	0.002 U	0.0033	0.1826	0.0017 U	--	0.0054	--	0.0012 U	0.065	0.0101	--	0.0067	--	6.99	0.0001 U	0.0343
03/02	0.0005 U	0.0032	0.1753	0.0017 U	--	0.0058	--	0.0012 U	0.0341	0.0071	--	0.0037	--	6.386	0.0002 U	0.0224
09/02	0.0007 U	0.002 U	0.0092	0.0004 U	--	0.002 U	--	0.0026	0.0025	0.0061	--	0.0024	--	1.182	0.0001 U	0.0055
06/03	0.0014 U	0.004 U	0.2364	0.0008 U	--	0.0048	--	0.001 U	0.059	0.0246	--	0.002 U	--	5.866	0.0004	0.0307
10/03	0.0045 U	0.004 U	0.1753	0.008 U	--	0.01 U	--	0.0025 U	0.0524	0.05 U	--	0.002 U	--	5.688	0.0003	0.0323
03/04	0.0009 U	0.002 U	0.0733	0.0016 U	--	0.0061	--	0.002 U	0.002 U	0.01 U	--	0.002 U	--	0.5364	0.0019	0.0138
09/04	0.0028 U	0.0087	0.2284	0.0012 U	--	0.01	--	0.0025	0.0614	0.0245	--	0.0179	--	5.137	0.0011	0.0437
04/05	0.0028 U	0.002 U	0.0603	0.0012 U	--	0.0076	--	0.002 U	0.0022	0.016	--	0.0026	--	0.8988	0.0019	0.0182
09/05	0.0028 U	0.0027	0.1653	0.0012 U	--	0.0051	--	0.0007 U	0.0437	0.0232	--	0.003	--	5.408	0.0003	0.0343
04/06	0.0006 U	0.002 U	0.1678	0.0007 U	--	0.005	--	0.002 U	0.0411	0.0149	--	0.0031	--	6.8885	0.0002 U	0.0382
09/06	0.0007 U	0.002 U	0.1785	0.0009 U	--	0.002	--	0.0007 U	0.036	0.0076	--	0.0007 U	--	4.922	0.0003	0.0236
04/07	0.0007 U	0.002 U	0.1767	0.0009 U	0.3626	--	--	0.0007 U	0.0664	0.0092	--	0.0007 U	--	--	0.0005	0.0228
10/07	0.002 U	0.0072	0.1365	0.0009 U	0.6122	--	--	0.0024	0.0239	0.0108	--	0.0079	--	--	0.0014	0.0306
03/08	0.0005 U	0.0031	0.1441	0.001 U	0.2651	--	--	0.002 U	0.0361	0.0088	--	0.002 U	--	--	0.0008	0.0285
09/08	0.001 U	0.004 U	0.1335	0.002 U	0.7745	--	--	0.0016 U	0.0332	0.0109	--	0.002 U	--	--	0.0005	0.0269
03/09	0.001 U	0.01 U	0.1616	0.0012 U	0.4407	--	--	0.0102	0.0204	0.0119	--	0.01 U	--	--	0.0009	0.0376
09/09	0.002 U	0.002 U	0.151	0.002 U	--	0.0025	99	0.002 U	0.036	0.0103	1.61	0.002 U	69.2	5.23	0.0002	0.0299
07/10	0.001 U	0.0013	0.15	0.001 U	--	0.0032	--	0.003	0.034	0.003	--	0.001 U	--	--	0.0002	0.025
09/10	0.005 U	0.005 U	0.182	0.005 U	--	0.005 U	89.8	0.005 U	0.0337	0.0102	1.33	0.005 U	67	6.38	0.0002 U	0.0232
04/11	0.005 U	0.005 U	0.957	0.0102	--	0.0059	84.7	0.0321	0.144	0.17	48.4 J	0.0723	55	13.1	0.0002 U	0.0701
09/11	0.005 U	0.005 U	0.166	0.005 U	--	0.005 U	93.5	0.005 U	0.025	0.00569	1.01	0.005 U	68.6	5.83	0.0002 U	--
03/12	0.005 U	0.005 U	0.183	0.005 U	--	0.005 U	93.4	0.005 U	0.025	0.00569	1.05	0.005 U	69.9	6.29	0.0002 U	0.0186
09/12	0.005 U	0.005 U	0.165	0.005 U	--	0.005 U	91.4	0.005 U	0.0271	0.00646	1.07	0.005 U	64.8	6.14	0.0002 U	0.0226
03/13	0.005 U	0.005 U	0.191	0.005 U	--	0.005 U	85.3	0.005 U	0.024	0.0143	1.08	0.005 U	65.7	6.82	0.0002 U	0.0202

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.005 U	0.165	0.005 U	--	0.005 U	99.6	0.005 U	0.0256	0.00649	1.19	0.005 U	70.6	7.21	0.0002 U	0.0239
<b>03/14</b>	0.005 U	0.005 U	0.206	0.005 U	--	0.005 U	79.6	0.005 U	0.0235	0.00578	0.929	0.005 U	57.4	6.8	0.0002 U	0.0179
<b>09/14</b>	0.005 U	0.005 U	0.185	0.005 U	--	0.005 U	97.3	0.005 U	0.0246	0.00671	1.13	0.005 U	69.1	7.37	0.0002 U	0.0225
<b>03/15</b>	0.002 U	0.0022	0.18	0.002 U	--	0.0026 J	100	0.021	0.025	0.0048 J	0.91	0.002 U	76	7.8	0.00028	0.04
<b>09/15</b>	0.001 U	0.0035	0.15	0.001 U	--	0.002	120	0.005 U	0.032	0.005 U	0.82	0.001 U	84	8.7	0.0002 U	0.026
<b>03/16</b>	0.002 U	0.00219	0.193	0.002 U	--	0.00204	110	0.00444	0.0271	0.00371	1.68	0.002 U	77.6	8.92	0.0002 U	0.024
<b>08/16</b>	0.002 U	0.002 U	0.179	0.002 U	--	0.002 U	113	0.002 U	0.0302	0.00376	1.59	0.002 U	80	9.25	0.0002 U	0.0264
<b>03/17</b>	0.002 U	0.00542	0.161	0.002 U	--	0.002 U	121	0.00799	0.0388	0.0146	2.37	0.002 U	83.9	10.6	0.0002 U	0.0387
<b>09/17</b>	0.002 U	0.002 U	0.148	0.002 U	--	0.002 U	109	0.00506	0.0319	0.002 U	1.7	0.002 U	75.7	9.22	0.0002 U	0.0275
<b>03/18</b>	0.002 U	0.00363	0.159	0.002 U	--	0.002 U	126	0.0104	0.03	0.00275	1.37	0.002 U	85	10.3	0.0002 U	0.0299
<b>09/18</b>	0.002 U	0.0028	0.182	0.002 U	--	0.002 U	122	0.0104	0.0337	0.00457	1.3	0.002 U	81.2	10.9	0.0002 U	0.0319
<b>04/19</b>	0.001 U	0.00113	0.165	0.001 U	--	0.00102	99.7 B	0.00125	0.0383	0.00193	1.89	0.001 U	85.8	13.2	0.000244	0.0342
<b>07/19</b>	0.001 U	0.00119	0.191	0.001 U	--	0.00117	103 B	0.00129	0.0356	0.00798	1.96	0.00186	83.9	13.5	0.000963	0.0325
<b>03/20</b>	0.001 U	0.001 U	0.207	0.001 U	--	0.00118	113	0.00105	0.0363	0.00533	1.63	0.00106	98.3	14.7	0.000328	0.031
<b>07/20</b>	0.001 U	0.0011	0.194	0.001 U	--	0.001 U	109	0.00111	0.0401	0.00272	1.78	0.001 U	95	14.6	0.000312	0.034
<b>03/21</b>	0.001 U	0.00274	0.186	0.001 U	--	0.00174	107	0.00255	0.0395	0.00896	8.11	0.00634	88.9	14.6	0.00133	0.0358
<b>09/21</b>	0.001 U	0.00142	0.199	0.001 U	--	0.00125	118	0.00119	0.0421	0.00494	2.64	0.00166	97	15.7	0.000536	0.0403
<b>03/22</b>	0.001 U	0.00172 J	0.165	0.001 U	--	0.00255 J	138	0.00125 J	0.0432	0.00946 J	4.1	0.0046	101	16.8	0.00172	0.0373
<b>08/22</b>	0.00100 U	0.00159 J	0.179	0.00100 U	--	0.00100 U	139	0.00100 U	0.0495	0.00495 J	3.01	0.00176 J	113	18.2	0.000517	0.0441

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

	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	0.05				0.002		
04/01	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	--
09/01	--	0.002 U	0.0044 U	--	0.001	0.0007 U	--
03/02	--	0.0009 U	0.0044 U	--	0.0009 U	0.0007 U	--
09/02	--	0.0042	0.0096 U	--	0.001 U	0.0003 U	--
06/03	--	0.0024 U	0.0192 U	--	0.002 U	0.0006 U	--
10/03	--	0.0035 U	0.011 U	--	0.002 U	0.002 U	--
03/04	--	0.002 U	0.0022 U	--	0.0004 U	0.0004 U	--
09/04	--	0.0048	0.0018 U	--	0.001 U	0.002 U	--
04/05	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
09/05	--	0.0022	0.0018 U	--	0.0006 U	0.0004 U	--
04/06	--	0.0022	0.0004 U	--	0.0004 U	0.0004 U	--
09/06	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	--
04/07	--	0.0029	0.0005 U	--	0.0007 U	0.0007 U	0.0193
10/07	--	0.0067	0.0005 U	--	0.0007 U	0.0007 U	0.0229
03/08	--	0.0022	0.0001 U	--	0.001 U	0.002 U	0.0219
09/08	--	0.004 U	0.0016 U	--	0.0012 U	0.0012 U	0.025
03/09	--	0.01 U	0.0043 U	--	0.0008 U	0.0008 U	0.0305
09/09	5.71	0.0048	0.002 U	107	0.002 U	0.002 U	0.0249
07/10	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.027
09/10	6.81	0.0062	0.005 U	101	0.005 U	0.005 U	0.0218
04/11	13.7 J	0.0185	0.005 U	38.5 J	0.005 U	0.0919	0.267
09/11	6.83	0.005 U	0.005 U	99.8	0.005 U	0.005 U	0.021
03/12	6.41	0.005 U	0.005 U	99.4	0.005 U	0.005 U	0.0211
09/12	6.84	0.00713	0.005 U	95.1	0.005 U	0.005 U	0.0223
03/13	7.39	0.005 U	0.005 U	99.5	0.005 U	0.005 U	0.0206

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

	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	0.05	0.002					
<b>09/13</b>	6.78	0.005 U	0.005 U	102	0.005 U	0.005 U	0.0192
<b>03/14</b>	6.79	0.005 U	0.005 U	83	0.005 U	0.005 U	0.0222
<b>09/14</b>	5.83	0.00542	0.005 U	99.7	0.005 U	0.005 U	0.0189
<b>03/15</b>	5.9	0.035 U	0.01 U	95	0.002 U	0.01 U	0.022
<b>09/15</b>	6.4	0.0094	0.001 U	120	0.0011	0.005 U	0.019
<b>03/16</b>	4.64	0.00618	0.002 U	106	0.001 U	0.002 U	0.0169
<b>08/16</b>	5.37	0.00547	0.002 U	111	0.001 U	0.002 U	0.0141
<b>03/17</b>	5.24	0.00839	0.002 U	115	0.001 U	0.00255	0.0183
<b>09/17</b>	5.36	0.00449	0.002 U	108	0.001 U	0.002 U	0.0144
<b>03/18</b>	5.45	0.00775	0.002 U	120	0.001 U	0.002 U	0.0163
<b>09/18</b>	5.1	0.00686	0.002 U	108	0.001 U	0.00281	0.02
<b>04/19</b>	5.67	0.00101	0.001 U	123	0.001 U	0.001 U	0.0189
<b>07/19</b>	5.7	0.001 U	0.001 U	118 B	0.001 U	0.001 U	0.0204
<b>03/20</b>	5.95	0.001 U	0.001 U	139	0.001 U	0.001 U	0.0219
<b>07/20</b>	5.92	0.001 U	0.001 U	136	0.001 U	0.001 U	0.0188
<b>03/21</b>	5.61	0.00144	0.001 U	123	0.001 U	0.001 U	0.0244
<b>09/21</b>	6.1	0.001 U	0.001 U	136	0.001 U	0.001 U	0.0193
<b>03/22</b>	5.69	0.00121 J	0.001 U	136	0.001 U	0.001 U	0.02
<b>08/22</b>	6.38	0.00100 U	0.00100 U	150	0.00100 U	0.00100 U	0.0202

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	200	200	5	5	5	5	0.2	0.05	600	5	5	75						5	80		
04/01	0.18 U	0.15 U	0.23 U	0.22 U	20.54	1 U	0.21 U	0.14 U	0.2 U	10 U	1.22	3.07	10 U	--	1 U	--	0.15 U	--	6.48	0.2 U	0.18 U
09/01	0.18 U	1 U	0.23 U	5.49	43.34	1.26	0.21 U	1 U	0.2 U	10 U	2.69	6.21	10 U	--	0.18 U	--	1 U	--	12.45	1 U	0.18 U
03/02	0.18 U	1 U	0.23 U	5.31	60.97	1.71	0.21 U	0.14 U	0.2 U	10 U	4.55	10.71	10 U	--	0.18 U	--	1 U	--	17.54	1 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	1.43	0.15 U	0.21 U	0.14 U	0.2 U	10 U	1 U	1.19	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	13.69	1 U	0.21 U	1 U	0.2 U	10 U	1.17	2.59	10 U	--	0.18 U	--	0.15 U	--	4.7	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	23.13	1 U	0.21 U	0.14 U	0.2 U	1.76	1.96	4.87	6.16	1.21	0.18 U	--	0.15 U	--	7.54	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	18.91	1 U	1 U	1 U	0.2 U	10 U	1 U	2.28	10 U	0.11	0.18 U	--	0.15 U	--	1 U	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	26.32	1 U	0.4 U	0.33 U	0.28 U	2.16	2.59	7.1	9.88	0.29 U	1.15	--	0.39 U	--	7.71	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	9.72	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	2.69	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	30.41	1 U	0.4 U	0.33 U	0.28 U	10 U	3.16	6.69	10 U	1.75	0.19 U	--	0.39 U	--	8.53	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	27.58	1 U	0.4 U	0.33 U	0.28 U	10 U	3.15	7.89	10 U	0.29 U	0.19 U	--	0.39 U	--	5.66	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	6.36	1 U	0.4 U	0.33 U	0.28 U	10 U	2.36	5.03	10 U	0.29 U	0.19 U	--	0.39 U	--	5.76	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	14.01	1 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	3.93	10 U	0.29 U	0.19 U	--	0.39 U	--	4.87	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	28.55	1 U	0.4 U	0.33 U	0.28 U	10 U	5.76	8.63	10.45	2.95	0.19 U	--	0.39 U	--	9.72	1 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	28.9	0.76	0.14 U	0.24 U	0.16 U	2.45	5.34	7.85	11.24	--	--	--	--	--	7.37	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	24.24	0.53	0.17 U	0.2 U	0.08 U	2.05	4.48	7.26	12.3	--	--	--	--	--	7.13	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	23.08	0.61	0.17 U	0.2 U	0.08 U	--	3.6	6.44	--	--	--	--	--	--	6.67	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	27.8	0.89 J	1 U	1 U	1 U	2.45	1 U	7.2	15.2	0.66 J	1 U	1 U	1 U	1 U	7.51	1 U	1 U
07/10	1 U	1 U	1 U	1 U	29	1 U	1 U	10 U	1 U	2	4	7	15	10 U	5 U	5 U	5 U	10 U	7	1 U	1 U
09/10	2 U	2 U	2 U	2 U	16.4	1.07 J	2 U	2 U	2 U	1.1 J	1.88 J	4.06	9.32	2 U	2 U	2 U	22.8	2 U	3.59	2 U	2 U
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	2.8	1 U	3.7	1 U	5 U	5 U	5 U	5 U	5 U	3.5	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>09/11</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/12</b>		1 U	1 U	1 U	1 U	15	1 U	1 U	1 U	1 U	2.1	1 U	4.6	15	5 U	5 U	5 U	5 U	5 U	4.3	1 U	1 U
<b>09/12</b>		1 U	1 U	1 U	1 U	15.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13.7	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/13</b>		1 U	1 U	1 U	1 U	15.2	1 U	1 U	1 U	1 U	1.87	2.48	4.08	13.8	5 U	5 U	5 U	5 U	5 U	3.73	1 U	1 U
<b>09/13</b>		1 U	1 U	1 U	1 U	16.4	1 U	1 U	1 U	1 U	2.05	3.56	3.75	15	5 U	5 U	5 U	5 U	5 U	4.13	1 U	1 U
<b>03/14</b>		1 U	1 U	1 U	1 U	13.1	1 U	1 U	1 U	1 U	--	2.09	3.9	13.5	5 U	5 U	5 U	5 U	5 U	2.94	--	1 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/15</b>		1 U	1 U	1 U	1 U	15.9	1 U	1 U	1 U	1 U	2.19	2.5	4.48	15.2	5 U	5 U	5 U	5 U	5 U	2.93	1 U	1 U
<b>09/15</b>		1 U	1 U	1 U	1 U	15.1	1 U	1 U	1 U	1 U	2.05	2.68	4.7	12.2	5 U	5 U	5 U	5 U	5 U	2.47	1 U	1 U
<b>03/16</b>		1 U	1 U	1 U	1 U	16.7	1 U	1 U	1 U	1 U	2.7	2.66	5.1	18	5 U	5 U	5 U	5 U	5 U	2.59	1 U	1 U
<b>08/16</b>		1 U	1 U	1 U	1 U	14.4	1 U	1 U	1 U	1 U	2.45	2.41	4.46	17	5 U	5 U	5 U	5 U	5 U	2.31	1 U	1 U
<b>03/17</b>		1 U	1 U	1 U	1 U	15	1 U	1 U	1 U	1 U	2.59	2.6	4.94	18.1	5 U	5 U	5 U	5 U	5 U	2.33	1 U	1 U
<b>09/17</b>		1 U	1 U	1 U	1 U	13.5	1 U	1 U	1 U	1 U	2.55	2.16	4.2	17.5	5 U	5 U	5 U	5 U	5 U	1.81	1 U	1 U
<b>03/18</b>		1 U	1 U	1 U	1 U	14	1 U	1 U	1 U	1 U	2.54	2.57	4.67	17.3	5 U	5 U	5 U	5 U	5 U	2.01	1 U	1 U
<b>09/18</b>		1 U	1 U	1 U	1 U	13.2	1 U	1 U	1 U	1 U	2.31	2.31	4.45	16.5	5 U	5 U	5 U	5 U	5 U	1.82	1 U	1 U
<b>04/19</b>		1 U	1 U	1 U	1 U	5.8	1 U	1 U	1 U	1 U	1.1	1 U	2.1	8.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>07/19</b>		1 U	1 U	1 U	1 U	13.7	1 U	1 U	1 U	1 U	2.8	2.6	4.8	18.2	5 U	5 U	5 U	5.2	5 U	2.8	1 U	1 U
<b>03/20</b>		1 U	1 U	1 U	1 U	10.1	1 U	1 U	1 U	1 U	2.5	1.5	3.5	18.1	5 U	5 U	5 U	5 U	5 U	1.5	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	12.3	1 U	1 U	0.047 U	0.019 U	2.8	2.2	4.6	20.4	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	12.1	1 U	1 U	0.048 U	0.019 U	2.4	2.1	4.2	17.8	5 U	5 U	5 U	6.8	5 U	1.7	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	9.1	1 U	1 U	0.047 U	0.019 U	3	1.6	3.6	21.1	5 U	5 U	5 U	5 U	5 U	1.6	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	10.3	1 U	1 U	0.047 U	0.019 U	2.8	1.6	3.9	22.8	5 U	5 U	5 U	5 U	5 U	1.8	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	8.7	1.0 U	1.0 U	0.047 U	0.019 U	2.6	1.6	3.5	20.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.7	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
80	80	100	5	100	80	80	70	70	80	700	10000	5	10000	100	5	10000	100	5	1000		
04/01	0.14 U	0.15 U	0.38 U	0.15 U	36.21	1 U	1 U	0.21 U	56.95	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	17.41	0.27 U	0.21 U	31.27	0.24 U
09/01	0.14 U	1 U	0.38 U	0.15 U	76.27	1.53	1 U	0.21 U	118.77	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	36.2	0.27 U	0.21 U	90.32	0.24 U
03/02	0.14 U	0.15 U	0.38 U	0.15 U	102.7	1.25	1.2	0.21 U	99.48	0.19 U	1 U	0.26 U	1 U	0.17 U	--	0.22 U	52.22	1 U	0.21 U	115.7	1 U
09/02	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	13.44	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U	0.24 U
06/03	0.14 U	0.15 U	0.38 U	0.15 U	19.98	1 U	0.23 U	0.21 U	54.65	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	7.18	1 U	0.21 U	20.1	0.24 U
10/03	0.14 U	0.15 U	0.38 U	0.15 U	38.78	1 U	1 U	0.21 U	87.72	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	11.68	0.27 U	0.21 U	67.55	1 U
03/04	0.14 U	1 U	1 U	0.15 U	4.61	1 U	1 U	0.21 U	37.71	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	13.59	0.27 U	0.21 U	15.44	0.24 U
09/04	0.27 U	0.31 U	2.5 U	0.25 U	54.04	1 U	1 U	0.25 U	102.11	0.29 U	0.27 U	0.23 U	2 U	0.28 U	--	0.25 U	15.83	1 U	0.25 U	53.93	1 U
04/05	0.27 U	0.31 U	0.75 U	0.25 U	5.74	0.31 U	0.27 U	0.25 U	23.84	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	28.72	0.32 U
09/05	0.27 U	0.31 U	0.75 U	0.25 U	51.74	1 U	1 U	0.25 U	126.58	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	10.77	1 U	0.25 U	42.58	1 U
04/06	0.27 U	0.31 U	0.75 U	0.25 U	51.24	1 U	0.27 U	0.25 U	119.67	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	8.39	1 U	0.25 U	47.07	0.32 U
09/06	0.27 U	1 U	0.75 U	0.25 U	34.47	0.31 U	0.27 U	0.25 U	100.04	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	3.6	0.18 U	0.25 U	37.1	0.32 U
04/07	0.27 U	0.31 U	0.75 U	0.25 U	23.03	1 U	0.27 U	0.25 U	86.72	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	2.74	1 U	0.25 U	23.91	0.32 U
10/07	0.27 U	0.31 U	0.75 U	0.25 U	52.49	1 U	1 U	0.25 U	189.64	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	9.3	1 U	0.25 U	51.32	1 U
03/08	0.12 U	0.5 U	--	0.13 U	42.48	0.5 U	0.5 U	0.5 U	189.43	0.13 U	0.15 U	0.26 U	0.43 U	--	5 U	0.15 U	5.59	0.22 U	0.2 U	54.18	0.28 U
09/08	0.16 U	0.12 U	--	0.14 U	39.6	0.52	0.5 U	0.2 U	173.52	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	1.73	0.11 U	0.11 U	53.26	0.5 U
03/09	0.16 U	0.12 U	--	0.14 U	33.51	0.13 U	0.12 U	0.5 U	148.44	0.12 U	0.13 U	0.12 U	0.23 U	--	5.76	0.2 U	2.72	0.11 U	0.11 U	44.75	0.5 U
09/09	1 U	1 U	2.5 U	1 U	36.9	0.66 J	1 U	1 U	168	1 U	1 U	1 U	2 U	1 U	2.49	1 U	1.77	1 U	1 U	33.8	1 U
07/10	5 U	1 U	1 U	1 U	34	1 U	1 U	1 U	180	1 U	1 U	1 U	2 U	20 U	--	1 U	3	1 U	1 U	46	1 U
09/10	2 U	2 U	5 U	2 U	20.6	0.89 J	2 U	2 U	81.6	2 U	2 U	2 U	4 U	2 U	2	2 U	5.45	2 U	2 U	10.7	2 U
04/11	1 U	1 U	1 U	1 U	29	1 U	1 U	1.4	76	1 U	1 U	1 U	--	1 U	3.8	1 U	1.8	--	1 U	14	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

	MCL	80	80	5	100	80	80	70	80	700	10000		5	10000	100	5	10000	100	5	1000		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
09/11		1U	1U	1U	1U	1U	1U	1U	1U	1U	--	1U	2U	1U	1U	--	1U	1U	1U	1U	1U	1U
03/12		1U	1U	1U	1U	24	1U	1U	1U	100	1U	1U	1U	--	1U	1U	1U	1U	--	1U	27	1U
09/12		1U	1U	5U	1U	22.3	1U	1U	1U	89	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	22.8	1U
03/13		1U	1U	5U	1U	20.5	1U	1U	1U	78.6	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	19.1	1U
09/13		1U	1U	5U	1U	21.1	1U	1U	1U	96.5	1U	1U	2U	5U	5U	1U	1.11	1U	1U	1U	19.7	1U
03/14		1U	1U	5U	1U	17.6	1U	1U	1U	68.5	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	12.8	1U
09/14		1U	1U	5U	1U	1U	1U	1U	1U	1.68	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1.23	1U
03/15		1U	1U	5U	1U	21.4	1U	1U	1U	75.8	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	10.3	1U
09/15		1U	1U	5U	1U	20.2	1U	1U	1U	74.2	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	6.78	1U
03/16		1U	1U	5U	1U	25.2	1U	1U	1U	74.8	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	8.6	1U
08/16		1U	1U	5U	1U	23.3	1U	1U	1U	68.1	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	6.69	1U
03/17		1U	1U	5U	1U	24.3	1U	1U	1U	73.8	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	5.85	1U
09/17		1U	1U	5U	1U	21.5	1U	1U	1U	65.5	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	4.99	1U
03/18		1U	1U	5U	1U	22.4	1U	1U	1U	68.3	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	4.45	1U
09/18		1U	1U	5U	1U	20.4	1U	1U	1U	60.8	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	3.78	1U
04/19		1U	1U	1U	1U	9.1	1U	1U	1U	27.6	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.4	1U
07/19		1U	1U	1U	1U	23.6	1U	1U	1U	97.3	1U	1U	1U	1U	2.1	1U	5.6	1U	1U	1U	10.4	1U
03/20		1U	1U	1U	1U	22.7	1U	1U	1U	56.7	1U	1U	1U	1U	1U	1.6	1U	1U	1U	1U	2.8	1U
07/20		1U	1U	1U	1U	26.1	1U	1U	1U	66.4	1U	1U	1U	1U	1.9	1U	1U	1U	1U	1U	2.7	1U
03/21		1U	1U	1U	1U	25	1U	1U	1U	54.5	1U	1U	1U	1U	1.9	1U	1U	1U	1U	1U	1.6	1U
09/21		1U	1U	1U	1U	29.7	1U	1U	1U	52.2	1U	1U	1U	1U	1.6	1U	1U	1U	1U	1U	2	1U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
<b>03/22</b>	80	1 U	1 U	1 U	1 U	31.6	1 U	1 U	1 U	55.4	1 U	1 U	1 U	1 U	1 U	1.7 U	1 U	1 U	1 U	1 U	1.8	1 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.0 U	29.0	1.0 U	1.0 U	1.0 U	49.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	2	10000
<b>04/01</b>	--	2.55	0.13 U	1 U		31.8	3.62	--	--	--
<b>09/01</b>	--	4.86	0.13 U	1 U		73.37	6.7	--	--	--
<b>03/02</b>	--	7.04	0.13 U	1.09		101.67	9.27	--	--	--
<b>09/02</b>	--	1 U	0.13 U	0.14 U		7.41	0.18 U	--	--	--
<b>06/03</b>	--	2.01	0.13 U	0.14 U		19.82	1.93	--	--	--
<b>10/03</b>	--	4.03	0.13 U	0.14 U		41.58	2.72	--	6.93	--
<b>03/04</b>	--	1 U	0.13 U	1 U		16.84	0.18 U	--	0.96	--
<b>09/04</b>	--	3.65	0.24 U	0.3 U		51.64	4.34	--	10.51	--
<b>04/05</b>	--	0.45 U	0.24 U	0.3 U		16.94	1.95	--	1 U	--
<b>09/05</b>	--	4.65	0.24 U	0.3 U		50.65	2.97	--	13.3	--
<b>04/06</b>	--	3.57	0.24 U	0.3 U		52.6	2.52	--	7.95	--
<b>09/06</b>	--	3.67	0.24 U	0.3 U		34.14	1.24	--	12.01	--
<b>04/07</b>	--	2.74	0.24 U	0.3 U		24.25	1.04	--	10.23	--
<b>10/07</b>	--	8.79	0.24 U	0.3 U		53.8	3.79	--	18.34	--
<b>03/08</b>	0.41	9.82	0.08 U	--		50.9	2.9	--	13.71	--
<b>09/08</b>	0.27	10.82	0.13 U	--		45.34	2.1	--	12.75	--
<b>03/09</b>	0.03	5.07	0.13 U	--		39.05	2.09	--	13.43	--
<b>09/09</b>	--	5.45	1 U	1 U		42.4	2.14	--	15.4	--
<b>07/10</b>	--	5	1 U	5 U		41	1 U	1 U	15	--
<b>09/10</b>	--	3.18	2 U	2 U		21.6	2.53	2 U	31.6	--
<b>04/11</b>	--	1 U	1 U	5 U		17	2.9	1 U	11	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

	MCL	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)
	80	100				5			2	10000
<b>09/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	--	3.1	1 U	5 U	28	1 U	1 U	12	1 U	1 U
<b>09/12</b>	--	1 U	1 U	5 U	24.7	1 U	5 U	13.1	1 U	1 U
<b>03/13</b>	--	3.02	1 U	5 U	24	1 U	5 U	12.9	1 U	1 U
<b>09/13</b>	--	3.91	1 U	5 U	28.8	1 U	5 U	14.9	1 U	1 U
<b>03/14</b>	--	2.68	1 U	5 U	20.1	1 U	5 U	11.1	1 U	1 U
<b>09/14</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/15</b>	--	2.94	1 U	5 U	21.5	1 U	5 U	14.7	1 U	1 U
<b>09/15</b>	--	2.93	1 U	5 U	18.6	1 U	5 U	14	1 U	1 U
<b>03/16</b>	--	3.44	1 U	5 U	20.9	1 U	5 U	15.9	1 U	1 U
<b>08/16</b>	--	3.06	1 U	5 U	15.8	1 U	5 U	14.8	1 U	1 U
<b>03/17</b>	--	3.33	1 U	5 U	15.1	1 U	5 U	15.4	1 U	1 U
<b>09/17</b>	--	2.84	1 U	5 U	12.5	1 U	5 U	12.7	1 U	1 U
<b>03/18</b>	--	2.99	1 U	5 U	13.4	1 U	5 U	13.2	1 U	1 U
<b>09/18</b>	--	2.95	1 U	5 U	11.8	1.07	5 U	14.4	1 U	1 U
<b>04/19</b>	--	1.3	1 U	1 U	4.3	1 U	1 U	6.9	1 U	1 U
<b>07/19</b>	--	3.3	1 U	1 U	12.1	1 J	1 U	15	1 U	1 U
<b>03/20</b>	--	2.6	1 U	1 U	9.5	1 U	1 U	14.1	1 U	1 U
<b>07/20</b>	--	2.9	1 U	1 U	8.8	1 U	1 U	16.5	1 U	1 U
<b>03/21</b>	--	2.8	1 U	1 U	7.1	1 U	1 U	19.7	1 U	1 U
<b>09/21</b>	--	2.6	1 U	1 U	7.2	1 U	1 U	15.6	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

	MCL	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)
	80					5			2	10000
<b>03/22</b>	--	2.7	1 U	1 U	7.4	1 U	1 U	16.6	1 U	
<b>08/22</b>	--	2.2	1.0 U	1.0 U	6.0	1.0 U	1.0 U	13.0	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - General Parameters**

	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)		ORP, Field (mV)		pH, Field (SU)		pH, Lab (SU)		Phosphate (mg/L)		Specific Conductivity, Field (uS/cm)		Specific Conductivity, Lab (umhos/crr)		Sulfate, total (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																																								
04/01	--	--	--	--	94.6452	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	--	--	--		
09/01	--	--	--	--	96.8634	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5	--	--	--		
03/02	--	--	--	--	107.332	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.66	--	--	--			
09/02	--	--	--	--	41.4197	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.5	--	--	--			
06/03	--	--	--	--	156.298	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0179	--	--	--	--	--	--	--	--	--	0.014	--	1.6	--	--	--		
10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0166	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--		
03/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--		
09/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0474	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--		
04/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--		
09/05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0157	--	--	--	--	--	--	--	0.038	--	--	--	--	--	--	--		
04/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02	--	--	--	--	--	--	--	0.072	--	--	--	--	--	--	--		
09/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.044	--	--	--	--	--	--	--	0.037	--	--	--	--	--	--	--		
04/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.048	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--		
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--			
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--			
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	--	--			
09/09	201	0.2 U	27.5	330	--	--	550	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.96	--	1208	--	--	--	--	--	1.16	--	--	--	--			
09/10	200	0.2 U	29	358	--	--	600	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.53	--	1416	--	--	--	--	--	5.75	--	--	--	--			
04/11	211	0.2 U	32.5	259	--	--	563	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.48	--	1116	--	--	--	--	--	0.733	--	--	--	--			
09/11	215	0.2 U	22.4	371	--	--	581	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.2	--	1036	--	--	--	--	--	--	--	--	--	--			
03/12	217	0.2 U	32.8	407	--	--	596	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.2	--	1404	--	--	--	--	--	--	--	--	--	--			

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (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																				
<b>09/12</b>	219	0.2 U	24	398	--	592	0.2 U	--	--	--	--	--	--	10.3	--	1212	--	--	--	--
<b>03/13</b>	221	0.2 U	37.8	397	0.04	576	0.2 U	385	5.81	--	--	1.774	--	10.5	16.2	1018	--	--	--	0
<b>09/13</b>	228	0.2 U	22.5	392	0.03	606	0.2 U	327	5.41	--	--	1539	--	12.2	17.17	1122	--	--	--	0
<b>09/13</b>	--	--	--	--	1.3	480	--	-22.5	6.00	--	--	1.004	--	--	16.99	--	--	--	2.8	3.42
<b>09/13</b>	--	--	--	--	0.23	580	--	210.9	5.55	--	--	1.52	--	--	14.38	--	--	--	0.41	7.5
<b>03/14</b>	223	0.2 U	31.6	398	0.02	612	0.2 U	348	5.47	--	--	1526	--	11.9	16.48	1060	--	--	--	1.51
<b>09/14</b>	283	0.2 U	37.5	417	1.8	606	0.2 U	328	5.77	--	--	1627	--	11.7	17.04	1074	--	--	--	0.3
<b>03/15</b>	202	0.2 U	29.3	394	1	650	0.2 U	347	6.16	--	--	1352	--	10.7	15.48	920	--	--	--	0
<b>09/15</b>	218	0.2 U	25.3	426	--	650	0.2 U	323	5.67	--	--	1611	--	9.58	17.87	983	--	--	--	1.91
<b>03/16</b>	214	0.2 U	30.4	438	0	650	0.2 U	391	5.73	--	--	1538	--	11.4	14.06	960	--	--	--	7.2
<b>08/16</b>	228	0.2 U	30.3	424	--	72	0.2 U	295	5.46	--	--	1637	--	12.9	17	982	--	--	--	0
<b>03/17</b>	240	0.2 U	25.3	436	--	700	0.2 U	355	5.68	--	--	1599	--	12.7	16.06	799	--	--	--	0
<b>09/17</b>	241	0.2 U	28	445	0.1	640	0.2 U	381	5.73	--	--	1835	--	11.2	18.17	1160	--	--	--	6.3
<b>03/18</b>	249	0.2 U	41.8	432	--	720	0.2 U	201	5.55	--	--	1676	--	12.8	16.82	999	--	--	--	0
<b>09/18</b>	247	0.2 U	32.2	467	--	692	0.2 U	195	5.71	--	--	1752	--	12.1	20.45	1020	--	--	--	1.8
<b>04/19</b>	255	0.1 U	34	458	0.1	751	0.5	159.4	5.63	5.50	--	2199	1830	12.6	15.8	1440	--	2.6 U	0.5 U	1.8
<b>07/19</b>	252	0.1 U	38.4	453	0.22	615	0.7	200	5.61	5.14	--	1680	1820	22.2	17.4	1390	--	4 U	0.5 U	0
<b>03/20</b>	256	0.1 U	36.4	438	0.62	780	0.2 U	71.2	5.79	5.86	--	1689	1840	12.4	14.8	1090	--	4	1.2	0.5
<b>07/20</b>	250	0.1 U	42.4	429	0.53	668	1.03	179.4	5.73	5.81	--	1614	1900	11.7	18.2	1020	--	5 J	0.5 U	0.5
<b>03/21</b>	287	0.1 U	31.4	468	0.07	660	0	161.3	5.65	5.79	--	1784	1980	12.2	16.5	1070	--	13.7	3.63	4.95
<b>09/21</b>	277	0.05 U	39.4	433	0.59	622	0.045	160.2	6.18	6.15	--	1691	1840	12.4	17.3	1500	--	2.6 U	0.751	0.7

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>																				
<b>03/22</b>	308	0.07 J	30.4	462	1.08	771	0.011 U	127.3	5.65	5.85	--	1804	2030	10.3	14.1	1100	--	17.7	4.14	9.01
<b>08/22</b>	342	0.08 J	47.1	461	0.68	810	0.011 U	171.3	5.68	5.84	--	1818.0	2069	10.2	17.5	1110	--	11.5	2.44	10.40

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
04/01	0.0007 U	0.002 U	0.0154	0.0005 U	--	0.0049	--	0.002 U	0.0007 U	0.0151	--	0.0013 U	--	0.2091	0.0003	0.0086
09/01	0.002 U	0.002 U	0.0199	0.0017 U	--	0.0059	--	0.002 U	0.002 U	0.0061	--	0.002 U	--	0.3884	0.0002 U	0.0105
03/02	0.0005 U	0.002 U	0.0209	0.0017 U	--	0.0074	--	0.002 U	0.0004 U	0.009	--	0.0022	--	0.3165	0.0002	0.0114
09/02	0.0007 U	0.002 U	0.0435	0.0004 U	--	0.002 U	--	0.002	0.0027	0.0122	--	0.002 U	--	2.254	0.0001 U	0.0065
06/03	0.0007 U	0.002 U	0.0266	0.0004 U	--	0.0054	--	0.002 U	0.002 U	0.0213	--	0.002 U	--	0.2674	0.0002	0.0129
10/03	0.0009 U	0.002 U	0.0334	0.0016 U	--	0.0051	--	0.002 U	0.0025	0.01 U	--	0.002 U	--	0.5659	0.0002	0.0137
03/04	0.0009 U	0.002 U	0.2086	0.0016 U	--	0.0034	--	0.002 U	0.0613	0.01 U	--	0.002 U	--	0.02 U	0.0002 U	0.0354
09/04	0.0028 U	0.002 U	0.0803	0.0012 U	--	0.0081	--	0.0023	0.0027	0.0135	--	0.0074	--	0.7036	0.0005	0.0167
04/05	0.0028 U	0.0055	0.1537	0.0012 U	--	0.0036	--	0.0007 U	0.0452	0.0164	--	0.0028	--	5.365	0.0004	0.0382
09/05	0.0028 U	0.002 U	0.0559	0.0012 U	--	0.0023	--	0.002 U	0.002 U	0.0112	--	0.0026	--	0.6313	0.0008	0.0176
04/06	0.0006 U	0.002 U	0.0535	0.0007 U	--	0.0056	--	0.002 U	0.002 U	0.009	--	0.0023	--	0.5976	0.0019	0.0178
09/06	0.0007 U	0.002 U	0.0229	0.0009 U	--	0.0099	--	0.0027	0.002 U	0.0091	--	0.002 U	--	0.8841	0.003	0.0292
04/07	0.0007 U	0.0021	0.0258	0.0009 U	0.3215	--	--	0.002 U	0.002 U	0.0083	--	0.002 U	--	--	0.0031	0.0279
10/07	0.0007 U	0.002 U	0.032	0.0009 U	0.2355	--	--	0.0037	0.0036	0.0069	--	0.0007 U	--	--	0.0007	0.0276
03/08	0.0005 U	0.0024	0.0267	0.001 U	0.4 U	--	--	0.002 U	0.002 U	0.0063	--	0.002 U	--	--	0.0022	0.0249
09/08	0.001 U	0.004 U	0.0331	0.002 U	0.4 U	--	--	0.0016 U	0.0024 U	0.0062	--	0.002 U	--	--	0.0005	0.0207
03/09	0.001 U	0.01 U	0.0286	0.0012 U	0.3483	--	--	0.01 U	0.01 U	0.01 U	--	0.0007 U	--	--	0.0019	0.0275
09/09	0.002 U	0.002 U	0.0272	0.002 U	--	0.0088	126	0.002 U	0.0019 J	0.0083	0.454	0.002 U	60.1	0.862	0.0022	0.0361
07/10	0.001 U	0.0013	0.022	0.001 U	--	0.01	--	0.0019	0.0018	0.0045	--	0.001 U	--	--	0.0035	0.037
09/10	0.005 U	0.005 U	0.0261	0.005 U	--	0.009	133	0.005 U	0.005 U	0.0112	1.22	0.005 U	67.9	0.884	0.00254	0.0375
04/11	0.005 U	0.005 U	0.0301	0.005 U	--	0.01	134 J	0.005 U	0.005 U	0.0078	1.27	0.005 U	66.6	0.869	0.00165	0.0331
09/11	0.005 U	0.005 U	0.0292	0.005 U	--	0.0101	132.3	0.005 U	0.005 U	0.0064	0.738	0.005 U	66.6	0.768	0.00102	--
03/12	0.005 U	0.005 U	0.0295	0.005 U	--	0.0104	132	0.005 U	0.005 U	0.00894	0.726	0.005 U	67.4	0.758	0.00098	0.0326
09/12	0.005 U	0.005 U	0.0282	0.005 U	--	0.0104	133	0.005 U	0.005 U	0.00814	0.656	0.005 U	64.4	0.858	0.00118	0.0365
03/13	0.005 U	0.005 U	0.0299	0.005 U	--	0.011	132	0.005 U	0.005 U	0.0153	0.674	0.005 U	68.9	0.793	0.00136	0.0361

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.005 U	0.0289	0.005 U	--	0.0103	135	0.005 U	0.005 U	0.00834	0.638	0.005 U	67	0.76	0.001061	0.0349
<b>09/13</b>	0.005 U	0.0011	0.05	0.001 U	--	0.0028	100	0.0011	0.0026	0.0027	10 U	0.00053 J	56	0.77	0.0026	--
<b>09/13</b>	0.005 U	0.00062 J	0.022	0.001 U	--	0.0098	120	0.001 U	0.0015	0.0029	0.1 U	0.001 U	68	0.78	0.0021	--
<b>03/14</b>	0.005 U	0.005 U	0.0329	0.005 U	--	0.0109	117	0.005 U	0.005 U	0.00731	0.641	0.005 U	57.6	0.845	0.00262	0.032
<b>09/14</b>	0.005 U	0.005 U	0.0323	0.005 U	--	0.011	138	0.005 U	0.005 U	0.00739	0.741	0.005 U	70.2	0.858	0.001412	0.0356
<b>03/15</b>	0.002 U	0.002	0.023	0.002 U	--	0.012	130	0.0051 J	0.01 U	0.0036 J	0.005 U	0.002 U	76	0.86	0.0028	0.04
<b>09/15</b>	0.001 U	0.0021	0.024	0.001 U	--	0.011	140	0.0056	0.005 U	0.005 U	0.005 U	0.001 U	73	0.89	0.0019	0.034
<b>03/16</b>	0.002 U	0.002 U	0.0254	0.002 U	--	0.0112	132	0.00483	0.002 U	0.00309	0.992	0.002 U	72.2	0.829	0.0011	0.0308
<b>08/16</b>	0.002 U	0.002 U	0.0257	0.002 U	--	0.0107	130	0.002 U	0.002 U	0.00401	0.969	0.002 U	71.8	0.948	0.000806	0.0316
<b>03/17</b>	0.002 U	0.00616	0.0266	0.002 U	--	0.0128	138	0.00836	0.00213	0.00626	0.911	0.002 U	73.9	1.02	0.000792	0.0406
<b>09/17</b>	0.005 U	0.005 U	0.031	0.005 U	--	0.0137	145	0.005 U	0.005 U	0.00706	0.898	0.005 U	80.6	1.13	0.001303	0.0314
<b>03/18</b>	0.002 U	0.00252	0.0247	0.002 U	--	0.0136	146	0.00991	0.002 U	0.00412	0.2 U	0.002 U	75.8	1.26	0.000898	0.0329
<b>09/18</b>	0.002 U	0.0025	0.0255	0.002 U	--	0.0125	148	0.0112	0.002 U	0.00428	0.05 U	0.002 U	78	1.27	0.000942	0.0353
<b>04/19</b>	0.001 U	0.001 U	0.0267	0.001 U	--	0.0141	145 B	0.00146	0.00176	0.00516	0.1 U	0.001 U	94.2	1.53	0.004	0.0352
<b>07/19</b>	0.001 U	0.001 U	0.0281	0.001 U	--	0.0118	120 B	0.00195	0.002	0.0097	0.112	0.001 U	76.6	1.35	0.00273	0.0337
<b>03/20</b>	0.001 U	0.001 U	0.0297	0.001 U	--	0.0126	145	0.00186	0.00188	0.0106	0.103	0.001 U	102	1.63	0.00393	0.0346
<b>07/20</b>	0.001 U	0.001 U	0.0303	0.001 U	--	0.0117	124	0.00147	0.00185	0.00443	0.0526 J	0.001 U	87.2	1.39	0.00353	0.0338
<b>03/21</b>	0.001 U	0.001 U	0.0262	0.001 U	--	0.0127	124	0.00117	0.00225	0.00631	0.318	0.001 U	85	1.62	0.00422	0.0321
<b>09/21</b>	0.00112	0.001 U	0.0491	0.001 U	--	0.0202	119	0.001 U	0.00224	0.0241	0.05 J	0.001 U	78.9	1.36	0.00214	0.0306
<b>03/22</b>	0.001 U	0.001 U	0.0251	0.001 U	--	0.0123	155	0.00413 J	0.00208 J	0.00449 J	0.376	0.001 U	93.2	1.93	0.00456	0.0333
<b>08/22</b>	0.00100 U	0.00100 U	0.0262	0.00100 U	--	0.0143	159	0.00125 J	0.00228 J	0.00698 J	0.293	0.00100 U	101	1.97	0.00427	0.0363

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill  
Monitoring Location OB11 - Total Metals**

	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	0.05				0.002		
<b>04/01</b>	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	--
<b>09/01</b>	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
<b>03/02</b>	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
<b>09/02</b>	--	0.0028 U	0.0096 U	--	0.001 U	0.0003 U	--
<b>06/03</b>	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>	--	0.002 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>03/04</b>	--	0.002 U	0.0022 U	--	0.001 U	0.0004 U	--
<b>09/04</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	--	0.0034 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
<b>04/06</b>	--	0.002 U	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	--	0.0036 U	0.0005 U	--	0.0007 U	0.0007 U	0.0389
<b>10/07</b>	--	0.0043 U	0.0005 U	--	0.0007 U	0.0007 U	0.04
<b>03/08</b>	--	0.0029 U	0.0001 U	--	0.0001 U	0.002 U	0.0427
<b>09/08</b>	--	0.004 U	0.0016 U	--	0.0012 U	0.0012 U	0.038
<b>03/09</b>	--	0.01 U	0.0043 U	--	0.0008 U	0.0008 U	0.0508
<b>09/09</b>	4.56	0.0049 U	0.002 U	56.7	0.002 U	0.002 U	0.0432
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.051
<b>09/10</b>	4.9	0.0078 U	0.005 U	68.8	0.005 U	0.005 U	0.0426
<b>04/11</b>	4.82	0.0061 U	0.005 U	67.9	0.005 U	0.005 U	0.043
<b>09/11</b>	4.7	0.00568 U	0.005 U	68.5	0.005 U	0.005 U	0.042
<b>03/12</b>	5.13	0.005 U	0.005 U	68	0.005 U	0.005 U	0.0453
<b>09/12</b>	5.19	0.011 U	0.005 U	68	0.005 U	0.005 U	0.0462
<b>03/13</b>	5.45	0.00674 U	0.005 U	75.8	0.005 U	0.005 U	0.0442

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Total Metals**

	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	0.05	0.05			0.002		
<b>09/13</b>	5.17	0.00545	0.005 U	71.3	0.005 U	0.005 U	0.0413
<b>09/13</b>	11	0.001 U	0.001 U	59	0.001 U	0.005 U	4.3
<b>09/13</b>	4.3	0.001 U	0.001 U	71	0.001 U	0.005 U	0.042
<b>03/14</b>	4.98	0.005 U	0.005 U	62	0.005 U	0.005 U	0.0441
<b>09/14</b>	4.71	0.0068	0.005 U	77.7	0.005 U	0.005 U	0.0418
<b>03/15</b>	5.3	0.0054 J	0.01 U	77	0.002 U	0.01 U	0.044
<b>09/15</b>	5.6	0.0082	0.001 U	82	0.001 U	0.005 U	0.042
<b>03/16</b>	4.65	0.00685	0.002 U	78.2	0.001 U	0.002 U	0.0362
<b>08/16</b>	4.79	0.00593	0.002 U	81.1	0.001 U	0.002 U	0.0324
<b>03/17</b>	4.58	0.00928	0.002 U	85.7	0.001 U	0.00358	0.0414
<b>09/17</b>	4.7	0.005 U	0.005 U	94.4	0.005 U	0.005 U	0.0526
<b>03/18</b>	4.58	0.0107	0.002 U	91.4	0.001 U	0.002 U	0.0381
<b>09/18</b>	4.56	0.00684	0.002 U	89	0.001 U	0.00284	0.044
<b>04/19</b>	5.17	0.001 U	0.001 U	115	0.001 U	0.001 U	0.0469
<b>07/19</b>	5.39	0.001 U	0.001 U	90.4 B	0.001 U	0.001 U	0.0415
<b>03/20</b>	5.61	0.001 U	0.001 U	99.7	0.001 U	0.001 U	0.045
<b>07/20</b>	5.62	0.001 U	0.001 U	105	0.001 U	0.001 U	0.0437
<b>03/21</b>	4.87	0.001 U	0.00118	99.4	0.001 U	0.001 U	0.0431
<b>09/21</b>	11.3	0.001 U	0.001 U	97.5	0.001 U	0.001 U	0.0828
<b>03/22</b>	4.98	0.001 U	0.001 U	117	0.001 U	0.001 U	0.038
<b>08/22</b>	5.36	0.00100 U	0.00100 U	127	0.00100 U	0.00100 U	0.0425

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	5	75						5		80
04/01	0.18 U	0.15 U	0.23 U	0.22 U	9.03	0.15 U	0.21 U	1 U	0.2 U	10 U	1 U	1.25	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/01	0.18 U	0.15 U	0.23 U	0.22 U	19.25	1 U	0.21 U	0.14 U	0.2 U	10 U	1 U	2.44	10 U	--	0.18 U	--	0.15 U	--	1.68	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	1.5	15.45	1 U	0.21 U	0.14 U	0.2 U	10 U	1 U	2.38	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	1.48	13.8	1 U	0.21 U	0.14 U	0.2 U	10 U	1 U	2.14	10 U	--	0.18 U	--	0.15 U	--	1.07	0.2 U	0.18 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	19.59	1 U	0.21 U	0.14 U	0.2 U	0.19 U	1.11	3.37	1.21	0.7	0.18 U	--	0.15 U	--	3.28	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	36.31	1.01	0.21 U	1 U	0.2 U	10 U	2.56	5.13	10 U	4.26	0.18 U	--	0.15 U	--	7.22	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	16.58	1 U	0.4 U	1.56	0.28 U	10 U	1.07	3.74	10 U	0.29 U	1.25	--	0.39 U	--	3.17	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	12.43	1 U	0.4 U	0.33 U	0.28 U	10 U	1.4	3.92	10 U	1 U	0.19 U	--	0.39 U	--	3.43	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	17.06	1 U	0.4 U	0.33 U	0.28 U	10 U	1.28	3.41	10 U	0.29 U	0.19 U	--	0.39 U	--	2.04	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	13.27	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1.38	3.47	10 U	0.29 U	0.19 U	--	0.39 U	--	1.43	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	15.9	1 U	0.4 U	0.33 U	0.28 U	10 U	3.81	8.11	10 U	3.06	0.19 U	--	0.39 U	--	9.78	1.94	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	29.18	1 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	7.99	10.18	0.29 U	0.19 U	--	0.39 U	--	9.69	2.25	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	29.33	1 U	0.4 U	0.33 U	0.28 U	10 U	5.36	8.27	10 U	2.54	0.19 U	--	0.39 U	--	10.69	1.22	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	11.14	0.5 U	0.14 U	0.24 U	0.16 U	1.03	3.16	4.67	2.46	--	--	--	--	--	2.04	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	1.52	23	0.5 U	0.17 U	0.2 U	0.08 U	1.55	3.68	6.31	6.43	--	--	--	--	--	6.16	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	31.01	0.89	0.17 U	0.2 U	0.08 U	--	4.66	8.28	--	--	--	--	--	--	9.56	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	33.4	1.03	1 U	1 U	1 U	2.61	4.72	8.15	14.6	0.83 J	1 U	1 U	1 U	1 U	9.37	1 U	1 U
07/10	1 U	1 U	1 U	1 U	34	1 U	1 U	10 U	1 U	3	4	8	14	10 U	5 U	5 U	5 U	10 U	8	1 U	1 U
09/10	2 U	2 U	2 U	2 U	15.1	0.93 J	2 U	2 U	2 U	1.51 J	3.94	6.1	9.85	0.95 J	2 U	2 U	24.6	2 U	8.29	2 U	2 U
04/11	1 U	1 U	1 U	1 U	1 U	25	1 U	1 U	1 U	3.9	2.8	5.1	1 U	5 U	5 U	5 U	5 U	5 U	5.2	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
		200		5	5	5	5	0.2	0.05	600	5	5	5	75						5		80
09/11	1 U	1 U	1 U	1 U	1 U	1 U	30	1 U	1 U	1 U	1 U	7.2	1 U	5 U	5 U	5 U	5 U	5 U	12	1 U	1 U	
03/12	1 U	1 U	1 U	1 U	21	1 U	1 U	1 U	1 U	3	1 U	6.3	17	5 U	5 U	5 U	5 U	5 U	6.9	1 U	1 U	
09/12	1 U	1 U	1 U	1 U	22.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	14.8	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
03/13	1 U	1 U	1 U	1 U	22.1	1 U	1 U	1 U	1 U	2.69	3.66	6.13	14.9	5 U	5 U	5 U	5 U	5 U	6.02	1 U	1 U	
09/13	1 U	1 U	1 U	1 U	21.2	1 U	1 U	1 U	1 U	1.41	3.57	6.5	13.7	5 U	5 U	5 U	5 U	5 U	6.17	1 U	1 U	
03/14	1 U	1 U	1 U	1 U	21.6	1 U	1 U	1 U	1 U	--	3.64	6.26	16.9	5 U	5 U	5 U	5 U	5 U	5.72	--	1 U	
09/14	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	
03/15	1 U	1 U	1 U	1 U	18.8	1 U	1 U	1 U	1 U	2.86	3.07	5.57	16.8	5 U	5 U	5 U	5 U	5 U	4.78	1 U	1 U	
09/15	1 U	1 U	1 U	1 U	18.1	1 U	1 U	1 U	1 U	2.89	3.42	5.53	16.3	5 U	5 U	5 U	5 U	5 U	4.32	1 U	1 U	
03/16	1 U	1 U	1 U	1 U	17.9	1 U	1 U	1 U	1 U	3.11	3.16	5.67	18.6	5 U	5 U	5 U	5 U	5 U	4.13	1 U	1 U	
08/16	1 U	1 U	1 U	1 U	15.6	1 U	1 U	1 U	1 U	2.85	2.91	4.83	18	5 U	5 U	5 U	5 U	5 U	3.6	1 U	1 U	
03/17	1 U	1 U	1 U	1 U	19.5	1 U	1 U	1 U	1 U	3.26	3.07	5.18	20.9	5 U	5 U	5 U	5 U	5 U	4.23	1 U	1 U	
09/17	1 U	1 U	1 U	1 U	12.8	1 U	1 U	1 U	1 U	2.85	2.49	4.81	16.8	5 U	5 U	5 U	5 U	5 U	3.26	1 U	1 U	
03/18	1 U	1 U	1 U	1 U	13.4	1 U	1 U	1 U	1 U	2.96	2.78	4.7	17.7	5 U	5 U	5 U	5 U	5 U	2.96	1 U	1 U	
09/18	1 U	1 U	1 U	1 U	12.6	1 U	1 U	1 U	1 U	2.85	2.54	4.5	17.7	5 U	5 U	5 U	14.5	5 U	2.7	1 U	1 U	
04/19	1 U	1 U	1 U	1 U	12.8	1 U	1 U	1 U	1 U	2.8	2.4	4.4	17	5 U	5 U	5 U	8.6	5 U	2.7	1 U	1 U	
07/19	1 U	1 U	1 U	1 U	13.5	1 U	1 U	1 U	1 U	2.7	2.4	4.6	19.4	5 U	5 U	5 U	5 U	5 U	2	1 U	1 U	
03/20	1 U	1 U	1 U	1 U	9.8	1 U	1 U	1 U	1 U	2.6	1.9	3.6	17.8	5 U	5 U	5 U	5 U	5 U	2.2	1 U	1 U	
07/20	1 U	1 U	1 U	1 U	11.4	1 U	1 U	0.047 U	0.019 U	2.9	2.2	4.4	18.9	5 U	5 U	5 U	5 U	5 U	2.4	1 U	1 U	
03/21	1 U	1 U	1 U	1 U	11.9	1 U	1 U	0.047 U	0.019 U	2.8	2.3	4.6	18.8	5 U	5 U	5 U	5.6	5 U	2.5	1 U	1 U	
09/21	1 U	1 U	1 U	1 U	6.7	1 U	1 U	0.047 U	0.019 U	1.2	1.2	2.6	5.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	8.9	1 U	1 U	0.047 U	0.019 U	3.1	1.6	3.5	21.5	5 U	5 U	5 U	5 U	5 U	2.1	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	8.4	1.0 U	1.0 U	0.047 U	0.019 U	2.8	1.6	3.3	19.9	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.1	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80				5	100		80		70		80	700	10000			5	10000	100	5	
<b>04/01</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	15.28	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	15.38
<b>09/01</b>	0.14 U	1 U	0.38 U	0.15 U	6.38	1 U	1 U	0.21 U	33.11	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.02	0.27 U	0.21 U	44.27
<b>03/02</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	1 U	0.21 U	25.68	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	36
<b>09/02</b>	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1.7	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
<b>06/03</b>	0.14 U	0.15 U	0.38 U	0.15 U	5.14	1 U	0.23 U	0.21 U	26.92	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	8.96	0.27 U	0.21 U	21.58
<b>10/03</b>	0.14 U	1 U	0.38 U	0.15 U	14.96	1 U	1 U	0.21 U	46.08	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	14.29	0.27 U	0.21 U	0.17 U
<b>03/04</b>	1 U	1 U	1 U	0.15 U	36.13	1 U	1 U	1 U	141.35	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	22.08	0.27 U	0.21 U	26.34
<b>09/04</b>	0.27 U	1 U	2.5 U	0.25 U	19.64	1 U	1 U	0.25 U	41.73	0.29 U	0.27 U	1 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	36.32
<b>04/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	31.35	1 U	0.27 U	0.25 U	53.18	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	4.41	0.18 U	0.25 U	34.22
<b>09/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	15.03	0.31 U	1 U	0.25 U	46.22	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	26.31
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	12.61	0.31 U	0.27 U	0.25 U	45.81	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	2.51	0.18 U	0.25 U	20.17
<b>09/06</b>	0.27 U	1 U	0.75 U	0.25 U	60.16	1 U	1 U	1 U	149.39	0.29 U	0.27 U	0.23 U	2 U	1 U	--	1 U	42.44	1 U	0.25 U	65.48
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	56.32	1 U	1 U	0.25 U	164.85	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	1 U	42.01	1 U	0.25 U	62
<b>10/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	61.28	1 U	1 U	0.25 U	176.66	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	1 U	35.48	1 U	0.25 U	60.22
<b>03/08</b>	0.12 U	0.5 U	--	0.13 U	11.69	0.5 U	0.21 U	0.15 U	92.93	0.13 U	0.15 U	0.26 U	0.43 U	--	5 U	0.15 U	9.24	0.22 U	0.2 U	32.4
<b>09/08</b>	0.16 U	0.12 U	--	0.14 U	35.91	0.5 U	0.12 U	0.2 U	137.27	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	19.47	0.5 U	0.11 U	52.48
<b>03/09</b>	0.16 U	0.5 U	--	0.14 U	52.75	0.5 U	0.5 U	0.5 U	190.55	0.12 U	0.13 U	0.12 U	0.23 U	--	6.41	0.2 U	28.72	0.5 U	0.11 U	67.92
<b>09/09</b>	1 U	1 U	2.5 U	1 U	50	0.64 J	0.42 J	1 U	184	1 U	1 U	1 U	2 U	1 U	2.67	1 U	30.6	1 U	1 U	43.9
<b>07/10</b>	5 U	1 U	1 U	1 U	44	1 U	1 U	1 U	210	1 U	1 U	1 U	2 U	20 U	--	1 U	28	1 U	1 U	58
<b>09/10</b>	2 U	2 U	5 U	2 U	34.3	0.57 J	2 U	2 U	73.6	2 U	2 U	2 U	4 U	2 U	1.65 J	2 U	24.2	2 U	2 U	19.6
<b>04/11</b>	1 U	1 U	1 U	1 U	52	1 U	1 U	2.3	1 U	1 U	1 U	1 U	--	1 U	5.6	1 U	16	--	1 U	26

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

	MCL	80	80	5	100	17	80	80	70	70	80	700	10000			5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/11	1 U	1 U	1 U	1 U	1 U	17	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	18	--	1 U	44	
03/12	1 U	1 U	1 U	1 U	41	1 U	1 U	1 U	160	1 U	1 U	1 U	--	1 U	2.6	1 U	12	--	1 U	47	
09/12	1 U	1 U	5 U	1 U	34.5	1 U	1 U	1 U	94.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	13	1 U	1 U	40.1	
03/13	1 U	1 U	5 U	1 U	34.6	1 U	1 U	1 U	64.16	1 U	1 U	1 U	2 U	5 U	5 U	1 U	12.3	1 U	1 U	36.9	
09/13	1 U	1 U	5 U	1 U	31	1 U	1 U	1 U	135.88	1 U	1 U	1 U	2 U	5 U	5 U	1 U	12	1 U	1 U	32.2	
03/14	1 U	1 U	5 U	1 U	33.4	1 U	1 U	1 U	131	1 U	1 U	1 U	2 U	5 U	5 U	1 U	10.6	1 U	1 U	32.3	
09/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.53	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1.13	
03/15	1 U	1 U	5 U	1 U	30.2	1 U	1 U	1 U	103.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	8.58	1 U	1 U	24	
09/15	1 U	1 U	5 U	1 U	30.3	1 U	1 U	1 U	79	1 U	1 U	1 U	2 U	5 U	5 U	1 U	8.71	1 U	1 U	21.7	
03/16	1 U	1 U	5 U	1 U	30.8	1 U	1 U	1 U	107	1 U	1 U	1 U	2 U	5 U	5 U	1 U	8.56	1 U	1 U	21.3	
08/16	1 U	1 U	5 U	1 U	27.8	1 U	1 U	1 U	95.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	7.51	1 U	1 U	16.8	
03/17	1 U	1 U	5 U	1 U	30.7	1 U	1 U	1 U	77.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	9.3	1 U	1 U	17.4	
09/17	1 U	1 U	5 U	1 U	26.8	1 U	1 U	1 U	78.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.71	1 U	1 U	13.2	
03/18	1 U	1 U	5 U	1 U	26.7	1 U	1 U	1 U	86.8	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.97	1 U	1 U	12.2	
09/18	1 U	1 U	5 U	1 U	25.2	1 U	1 U	1 U	80	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.54	1 U	1 U	11.5	
04/19	1 U	1 U	1 U	1 U	22.3	1 U	1 U	1 U	89.5	1 U	1 U	1 U	1 U	1 U	2.1	1 U	5.6	1 U	1 U	10.1	
07/19	1 U	1 U	1 U	1 U	22.7	1 U	1 U	1 U	70.4	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	3.6	
03/20	1 U	1 U	1 U	1 U	22.3	1 U	1 U	1 U	76.5	1 U	1 U	1 U	1 U	1 U	1.8	1 U	4.2	1 U	1 U	9.5	
07/20	1 U	1 U	1 U	1 U	24.1	1 U	1 U	1 U	85.5	1 U	1 U	1 U	1 U	1 U	1.8	1 U	4.5	1 U	1 U	8.3	
03/21	1 U	1 U	1 U	1 U	27.4	1 U	1 U	1 U	77.1	1 U	1 U	1 U	1 U	1 U	2	1 U	4.3	1 U	1 U	7.1	
09/21	1 U	1 U	1 U	1 U	6.8	1 U	1 U	1 U	43.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.5	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/22</b>	80	1 U	1 U	1 U	1 U	31.4	1 U	1 U	1 U	63.3	1 U	1 U	1 U	1 U	1 U	1.7 J	1 U	2.8	1 U	1 U	7.3
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.0 U	31.0	1.0 U	1.0 U	1.0 U	61.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U	2.4 B	1.0 U	1.0 U	6.4

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>04/01</b>	0.24 U--	1 U	0.13 U	0.14 U	10.45	1 U	--	--	--	--
<b>09/01</b>	0.24 U--	1 U	0.13 U	0.14 U	24.68	2.72	--	--	--	--
<b>03/02</b>	0.24 U--	1 U	0.13 U	0.14 U	18.9	1.58	--	--	--	--
<b>09/02</b>	0.24 U--	1 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--	--
<b>06/03</b>	0.24 U--	1 U	0.13 U	0.14 U	17.31	1.72	--	--	--	--
<b>10/03</b>	1 U	--	1.57	0.13 U	0.14 U	30.06	3.78	--	2.85	--
<b>03/04</b>	0.24 U--	5.27	0.13 U	1 U	39.15	0.18 U	--	10.87	--	--
<b>09/04</b>	1.45	--	1.49	0.24 U	0.3 U	28.57	3.22	--	3.54	--
<b>04/05</b>	0.32 U--	1.71	0.24 U	1 U	26.35	1.87	--	6.36	--	--
<b>09/05</b>	1	--	1.24	0.24 U	0.3 U	25.32	1.66	--	2.44	--
<b>04/06</b>	0.32 U--	1.09	0.24 U	0.3 U	20.17	1 U	--	1.75	--	--
<b>09/06</b>	0.32 U--	6.19	0.24 U	0.3 U	55.99	4.37	--	15.95	--	--
<b>04/07</b>	0.32 U--	5.6	0.24 U	0.3 U	52.41	4.25	--	12.02	--	--
<b>10/07</b>	0.32 U--	8.31	0.24 U	0.3 U	59.1	5.59	--	16.89	--	--
<b>03/08</b>	0.28 U	0.05	2.88	0.08 U	--	28.56	1.93	--	4.49	--
<b>09/08</b>	1	0.06	8.83	0.13 U	--	42.66	2.85	--	8.73	--
<b>03/09</b>	0.5 U	0.53	7.15	0.13 U	--	53.74	4.58	--	15.64	--
<b>09/09</b>	1 U	--	6.37	1 U	1 U	51.5	3.98	--	20.3	--
<b>07/10</b>	1 U	--	6	1 U	5 U	48	1 U	1 U	13	--
<b>09/10</b>	2 U	--	2.78	2 U	2 U	33.9	3.78	2 U	20.9	--
<b>04/11</b>	1 U	--	4.9	1 U	5 U	28	6.8	1 U	14	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>09/11</b>	1 U	--	3.3	1 U	5 U	37	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	4.6	1 U	5 U	39	3.3	1 U	13	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	34.2	1 U	5 U	14.1	1 U
<b>03/13</b>	1 U	--	4.31	1 U	5 U	32.6	2.47	5 U	13.9	1 U
<b>09/13</b>	1 U	--	4.94	1 U	5 U	34.6	2.04	5 U	14	1 U
<b>03/14</b>	1 U	--	4.41	1 U	5 U	29.6	2.33	5 U	14.6	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>	1 U	--	3.58	1 U	5 U	25.5	2	5 U	15.4	1 U
<b>09/15</b>	1 U	--	3.79	1 U	5 U	26.3	1.6	5 U	14.6	1 U
<b>03/16</b>	1 U	--	3.95	1 U	5 U	22.9	1.61	5 U	14.5	1 U
<b>08/16</b>	1 U	--	3.3	1 U	5 U	18.8	1.33	5 U	13.5	1 U
<b>03/17</b>	1 U	--	4.46	1 U	5 U	14.1	1.8	5 U	17.9	1 U
<b>09/17</b>	1 U	--	2.71	1 U	5 U	15.4	1.08	5 U	11.1	1 U
<b>03/18</b>	1 U	--	3.05	1 U	5 U	14.5	1.08	5 U	11.7	1 U
<b>09/18</b>	1 U	--	3.01	1 U	5 U	13.1	1.07	5 U	12.5	1 U
<b>04/19</b>	1 U	--	3	1 U	1 U	11.3	1 U	1 U	13.9	1 U
<b>07/19</b>	1 U	--	3.4	1 U	1 U	9.6	1 U	1 U	17.5	1 U
<b>03/20</b>	1 U	--	2.7	1 U	1 U	9.9	1 U	1 U	11.5	1 U
<b>07/20</b>	1 U	--	2.9	1 U	1 U	9.3	1 U	1 U	13.1	1 U
<b>03/21</b>	1 U	--	2.7	1 U	1 U	7.8	1 U	1 U	17.1	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	7	1 U	1 U	3.3	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

	MCL	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)
	1000		80	100			5			2	10000
<b>03/22</b>	1 U	--	2.3	1 U	1 U	6.8	1 U	1 U	12.5	1 U	
<b>08/22</b>	1.0 U	--	2.1	1.0 U	1.0 U	5.7	1.0 U	1.0 U	11.1	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.02	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0543	--	--	--	--	--	0.024	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.026	--	--	--	--	--	0.012	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.072	--	--	--	--	--	0.038	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.025	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	110	0.2 U	8.5 J	69.9	--	165	1.622	--	--	--	--	--	--	7.14	--	308	--	--	2.49	--
<b>09/10</b>	108	0.2 U	7.4 J	65.8	--	162	1.377	--	--	--	--	--	--	7.13	--	408	--	--	0.328	--
<b>04/11</b>	44	0.2 U	6.9	80.1	--	182	1.59	--	--	--	--	--	--	4.78	--	120	--	--	0.167	--
<b>09/11</b>	106	0.2 U	10 U	62.7	--	153	1.14	--	--	--	--	--	--	5.57	--	296	--	--	--	--
<b>03/12</b>	116	0.2 U	8.1	76.9	--	194	1.26	--	--	--	--	--	--	12	--	340	--	--	--	--
<b>09/12</b>	113	0.2 U	10 U	66.4	--	160	0.99	--	--	--	--	--	--	4.58	--	312	--	--	--	--
<b>03/13</b>	119	0.2 U	21	79	0.03	178	1.02	313	5.81	--	--	545.7	--	13.4	13.96	236	--	--	--	0
<b>09/13</b>	126	0.2 U	10 U	70.5	0.03	178	0.87	255	5.53	--	--	436.3	--	5.79	14.91	364	--	--	--	1.26
<b>03/14</b>	123	0.2 U	10 U	77.9	0.21	200	0.83	337	5.56	--	--	469.9	--	14.4	14.23	308	--	--	--	1.36
<b>09/14</b>	138	0.2 U	10 U	77.4	--	208	0.695	379	5.92	--	--	481.6	--	11.6	14.63	292	--	--	--	0.9
<b>03/15</b>	125	0.2 U	10 U	80.7	0	202	0.74	401	5.81	--	--	444.7	--	16	12.07	338	--	--	--	0
<b>09/15</b>	132	0.2 U	10.8	80	1.44	182	0.803	347	5.80	--	--	484	--	5.91	15.66	229	--	--	--	0.23
<b>03/16</b>	122	0.2 U	10 U	84.6	0	188	0.588	331	5.64	--	--	471.2	--	13.6	17.05	316	--	--	--	0

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>08/16</b>	129	0.2 U	10 U	84.3	--	218	0.575	212	5.69	--	--	501	--	9.02	18.02	294	--	--	--	0
<b>03/17</b>	135	0.2 U	10 U	87.2	--	224	0.541	327	5.54	--	--	471.2	--	12.3	14.52	224	--	--	--	0
<b>09/17</b>	120	0.2 U	10 U	77.4	0.33	192	0.636	241	5.75	--	--	503.5	--	7.78	15.67	308	--	--	--	0
<b>04/18</b>	118	0.2 U	10 U	84.4	--	190	0.533	158	5.79	--	--	462.7	--	13.2	13.2	222	--	--	--	0.8
<b>09/18</b>	129	0.2 U	10 U	84.9	--	191	0.465	80	5.57	--	--	538.6	--	13.2	16.14	301	--	--	--	0
<b>04/19</b>	124	0.1 U	10	75.6	0.09	191 B	0.2 U	102.7	5.59	5.78	--	627	521	24.7	16.3	306	--	2.6 U	0.912	2.2
<b>08/19</b>	153	0.1 U	6.3	97.8	0.1	202	1.2	3.7	5.36	6.05	--	0.896	606	16.7	16.4	370	--	2.4 U	0.5 U	0
<b>03/20</b>	138	0.1 U	14.2	81.5	0.43	214	0.4	0.5	5.67	5.84	--	535	571	19.9	15.1	324	--	2.3 U	0.973	0.7
<b>08/20</b>	152	0.1 U	15.9	91.3	0.59	228	0.35	-67.3	5.99	1.93	--	547	5890	16	17.5	385	--	2.3 U	0.5 U	2.9
<b>03/21</b>	138	0.1 U	8.3	83.8	0.05	194	0.539	71.3	5.58	5.85	--	513	590	26.2	15.5	328	--	2.3 U	0.5 U	0.18
<b>09/21</b>	165	0.05 U	27.5	99	0.66	236	0.534	-110.1	6.09	5.83	--	585	650	16.2	16.9	404 B	--	3 U	0.645	9.5
<b>03/22</b>	141	0.02 U	9.2 J	87.6	0.85	220	0.441 J	13.2	5.62	5.71	--	351	611.8	21.8	14.8	359	--	2.2 U	1.15	1.55
<b>08/22</b>	178	0.04 J	24.9	94.8	0.62	251	0.397	-12.2	5.66	5.16	--	601.0	695.2	12.7	18.0	389	--	4.9	0.679	3.60

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
04/05	0.0028 U	0.0006 U	0.142	0.0012 U	--	0.002 U	--	0.0024	0.002 U	0.0145	--	0.002	--	1.03	0.0006
09/05	0.0028 U	0.0006 U	0.0989	0.0012 U	--	0.002 U	--	0.002	0.002 U	0.0215	--	0.0032	--	0.6074	0.0004
04/06	0.0006 U	0.0006 U	0.0431	0.0007 U	--	0.002 U	--	0.002 U	0.0005 U	0.0102	--	0.0032	--	0.2305	0.0005
09/06	0.0007 U	0.0008 U	0.036	0.0009 U	--	0.002 U	--	0.0104	0.002 U	0.0151	--	0.0046	--	0.1681	0.0011
04/07	0.002 U	0.0008 U	0.0565	0.0009 U	0.0368	--	--	0.0007 U	0.0005 U	0.0048	--	0.0007 U	--	--	0.0002 U
10/07	0.0007 U	0.0008 U	0.0146	0.0009 U	0.0455	--	--	0.002	0.0005 U	0.009	--	0.002 U	--	--	0.0015
03/08	0.0005 U	0.0006 U	0.0228	0.001 U	0.045	--	--	0.002 U	0.0012 U	0.0055	--	0.001 U	--	--	0.0007
09/08	0.001 U	0.0012 U	0.02	0.002 U	0.0638	--	--	0.0016 U	0.0024 U	0.007	--	0.002 U	--	--	0.0002
03/09	0.001 U	0.001 U	0.0298	0.0012 U	0.0627	--	--	0.0007 U	0.0007 U	0.01	--	0.0007 U	--	--	0.0002 U
09/09	0.002 U	0.002 U	0.0186	0.002 U	--	0.002 U	33.3	0.002 U	0.002 U	0.0061	0.368	0.002 U	19.7	0.102	0.0003
07/10	0.001 U	0.0009 J	0.013	0.001 U	--	0.001 U	--	0.0006 J	0.001 U	0.0006 J	--	0.001 U	--	--	0.0002 U
09/10	0.005 U	0.005 U	0.0153	0.005 U	--	0.005 U	32.3	0.005 U	0.005 U	0.0068	0.228 J	0.005 U	19.8	0.107	0.0002 U
04/11	0.005 U	0.005 U	0.0211	0.005 U	--	0.005 U	34.1 J	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	27 J	0.106	0.0002 U
09/11	0.005 U	0.005 U	0.0173	0.005 U	--	0.005 U	33	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	20.6	0.108	0.0002 U
03/12	0.005 U	0.005 U	0.0174	0.005 U	--	0.005 U	38.3	0.005 U	0.005 U	0.00512	0.2 U	0.005 U	24.5	0.114	0.0002 U
09/12	0.005 U	0.005 U	0.018	0.005 U	--	0.005 U	26.5	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	16.1	0.119	0.0002 U
03/13	0.005 U	0.005 U	0.0194	0.005 U	--	0.005 U	36.7	0.005 U	0.005 U	0.0102	0.2 J	0.005 U	23.4	0.105	0.0002 U
09/13	0.005 U	0.005 U	0.0178	0.005 U	--	0.005 U	33.8	0.005 U	0.005 U	0.005 U	0.2 U	0.005 U	20.2	0.118	0.0002 U
03/14	0.005 U	0.005 U	0.0206	0.005 U	--	0.005 U	35	0.005 U	0.005 U	0.005 U	0.208	0.005 U	21.4	0.115	0.0002 U
09/14	0.005 U	0.005 U	0.0215	0.005 U	--	0.005 U	36.5	0.005 U	0.005 U	0.005 U	0.234	0.005 U	22.5	0.129	0.0002 U
03/15	0.002 U	0.002 U	0.014	0.002 U	--	0.004 U	39	0.01 U	0.01 U	0.01 U	0.005 U	0.002 U	25	0.1	0.0002 U
09/15	0.001 U	0.001 U	0.014	0.001 U	--	0.0005 U	39	0.005 U	0.005 U	0.005 U	0.005 U	0.001 U	23	0.14	0.0002 U
03/16	0.002 U	0.002 U	0.0152	0.002 U	--	0.002 U	38.8	0.00219	0.002 U	0.002 U	0.22	0.002 U	24.4	0.103	0.0002 U
08/16	0.002 U	0.002 U	0.0149	0.002 U	--	0.002 U	39.6	0.002 U	0.002 U	0.002 U	0.216	0.002 U	24.9	0.135	0.0002 U
03/17	0.002 U	0.002 U	0.0154	0.002 U	--	0.002 U	37.2	0.00415	0.002 U	0.00325	0.2 U	0.002 U	23.1	0.126	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location OB12 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>09/17</b>	0.002 U	0.002 U	0.0142	0.002 U	--	0.002 U	37.7	0.002 U	0.002 U	0.002 U	0.2 U	0.002 U	22.5	0.136	0.0002 U
<b>04/18</b>	0.002 U	0.002 U	0.0151	0.002 U	--	0.002 U	37.9	0.0049	0.002 U	0.002 U	0.05 U	0.002 U	23.2	0.109	0.0002 U
<b>09/18</b>	0.002 U	0.002 U	0.0157	0.002 U	--	0.002 U	38.2	0.00297	0.002 U	0.002 U	0.05 U	0.002 U	23.2	0.13	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.0177	0.001 U	--	0.001 U	33 B	0.001 U	0.00101	0.001 U	0.1 U	0.001 U	26.4	0.11	0.0001 U
<b>08/19</b>	0.001 U	0.001 U	0.0155	0.001 U	--	0.001 U	35.6	0.001 U	0.001 U	0.001 U	0.1 U	0.001 U	27.6	0.154	0.0001 U
<b>03/20</b>	0.001 U	0.001 U	0.0202	0.001 U	--	0.001 U	37.6	0.00123	0.001 U	0.001 U	0.0935 J	0.001 U	29.1	0.138	0.0001 U
<b>08/20</b>	0.001 U	0.001 U	0.0187	0.001 U	--	0.001 U	40	0.00148	0.001 U	0.001 U	0.0528 J	0.001 U	31	0.179	0.0001 U
<b>03/21</b>	0.001 U	0.001 U	0.017	0.001 U	--	0.001 U	35.1	0.001 U	0.001 U	0.001 U	0.025 J	0.001 U	26	0.116	0.0001 U
<b>09/21</b>	0.001 U	0.001 U	0.0187	0.001 U	--	0.001 U	43.6	0.00188	0.001 U	0.001 U	0.0497 J	0.001 U	31	0.185	0.0001 U
<b>03/22</b>	0.001 U	0.001 U	0.0187	0.001 U	--	0.001 U	42.5	0.001 U	0.001 U	0.001 U	0.0682 J	0.001 U	27.7	0.122	0.0001 U
<b>08/22</b>	0.00100 U	0.00100 U	0.0186	0.00100 U	--	0.00100 U	46.9	0.00457 J	0.00100 U	0.00100 U	0.204	0.00100 U	32.5	0.182	0.000100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Total Metals**

	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			0.05			0.002		
04/05	0.0058	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--
09/05	0.0069	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
04/06	0.0065	--	0.0015 U	0.0004 U	--	0.0004 U	0.002 U	--
09/06	0.0156	--	0.002 U	0.002 U	--	0.0007 U	0.002 U	--
04/07	0.0035	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.013
10/07	0.0062	--	0.0008 U	0.0005 U	--	0.0007 U	0.002 U	0.0478
03/08	0.0064	--	0.002 U	0.0008 U	--	0.0006 U	0.0006 U	0.0222
09/08	0.0066	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.0236
03/09	0.01 U	--	0.0012 U	0.0043 U	--	0.0008 U	0.0008 U	0.0125
09/09	0.0089	3	0.002 U	0.002 U	24.5	0.002 U	0.0002 J	0.01 U
07/10	0.0066	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.014
09/10	0.0102	2.32	0.005 U	0.005 U	25.4	0.005 U	0.005 U	0.00773
04/11	0.0084	3.24	0.005 U	0.005 U	27.9 J	0.005 U	0.005 U	0.00765
09/11	--	2.69	0.005 U	0.005 U	22.8	0.005 U	0.005 U	0.00631
03/12	0.00933	3.26	0.005 U	0.005 U	30	0.005 U	0.005 U	0.00533
09/12	0.00702	2.97	0.005 U	0.005 U	18.2	0.005 U	0.005 U	0.0082
03/13	0.00817	3.33	0.005 U	0.005 U	28.4	0.005 U	0.005 U	0.00511
09/13	0.00689	2.88	0.005 U	0.005 U	21.2	0.005 U	0.005 U	0.00586
03/14	0.00761	2.89	0.005 U	0.005 U	22	0.005 U	0.005 U	0.00842
09/14	0.00919	2.51	0.005 U	0.005 U	25.1	0.005 U	0.005 U	0.00958
03/15	0.0088 J	3.1	0.035 U	0.01 U	27	0.002 U	0.01 U	0.01 U
09/15	0.01 U	2.6	0.005 U	0.001 U	25	0.001 U	0.005 U	0.005 U
03/16	0.00725	2.45	0.002 U	0.002 U	25.2	0.001 U	0.002 U	0.002 U
08/16	0.00687	2.63	0.002 U	0.002 U	26.2	0.001 U	0.002 U	0.002 U
03/17	0.0086	2.31	0.00221	0.002 U	24.2	0.001 U	0.002 U	0.00263

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB12 - Total Metals**

	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			0.05			0.002		
<b>09/17</b>	0.00597	2.42	0.002 U	0.002 U	22.8	0.001 U	0.002 U	0.00315
<b>04/18</b>	0.00867	2.33	0.0024	0.002 U	24	0.001 U	0.002 U	0.00373
<b>09/18</b>	0.00931	2.26	0.00243	0.002 U	23.1	0.001 U	0.002 U	0.00273
<b>04/19</b>	0.00738	5	0.001 U	0.001 U	30	0.001 U	0.001 U	0.00755
<b>08/19</b>	0.00681	2.69	0.001 U	0.001 U	28.8	0.001 U	0.001 U	0.00584 B
<b>03/20</b>	0.00793	5.68	0.001 U	0.001 U	30.7	0.001 U	0.001 U	0.004 U
<b>08/20</b>	0.00953	6.54	0.001 U	0.001 U	33.5	0.001 U	0.001 U	0.00466
<b>03/21</b>	0.00567	4.61	0.001 U	0.001 U	27.8	0.001 U	0.001 U	0.0054
<b>09/21</b>	0.01	5.75	0.001 U	0.001 U	32.2	0.001 U	0.001 U	0.004 U
<b>03/22</b>	0.00756	5.84	0.001 U	0.001 U	29.3	0.001 U	0.001 U	0.004 U
<b>08/22</b>	0.0123	6.54	0.00100 U	0.00100 U	34.4	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	200		5	5	5	5	0.2	0.05	600	5	5	75						5		80	
04/05	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1.86	1 U	--	0.39 U	--	1 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	11.6	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	3.25	10 U	1.52	0.19 U	--	0.39 U	--	1.58	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	2.66	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	2.02	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	4.97	0.37 U	0.4 U	0.33 U	0.28 U	11 U	1 U	4.85	11 U	1 U	0.19 U	--	0.39 U	--	2.15	1.29	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	2.74	0.37 U	0.4 U	0.33 U	0.28 U	10 U	1 U	1.13	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	12.73	1 U	0.4 U	0.33 U	0.28 U	0.43 U	1.59	7.25	3.77	1 U	0.19 U	--	0.39 U	--	3.54	1 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	8.14	0.5 U	0.14 U	0.24 U	0.16 U	0.25 U	0.9	3.75	10 U	--	--	--	--	--	1.89	0.5 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	12.72	0.5 U	0.17 U	0.2 U	0.08 U	0.1 U	1.08	5.61	2.82	--	--	--	--	--	2.66	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	10.97	0.5 U	0.17 U	0.2 U	0.08 U	10 U	0.79	3.62	10 U	--	--	--	--	--	1.82	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	22.7	1 U	1 U	1 U	1 U	0.4 J	1 U	5.55	4.18	1 U	1 U	1 U	1 U	1 U	2.63	1 U	1 U
07/10	1 U	1 U	1 U	1 U	25	1 U	1 U	10 U	1 U	1 U	1 U	7	5	10 U	5 U	5 U	5 U	10 U	3	1 U	1 U
09/10	2 U	2 U	2 U	2 U	39.2	0.54 J	2 U	2 U	2 U	2 U	1.17 J	6.29	4.51	2 U	2 U	2 U	0.7 J	2 U	3.46	2 U	2 U
04/11	1 U	1 U	1 U	1 U	23	1 U	1 U	1 U	1 U	1 U	1 U	3.3	1 U	5 U	5 U	5 U	5 U	5 U	2.2	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/12	1 U	1 U	1 U	1 U	21	1 U	1 U	1 U	1 U	0.55	1 U	5.8	5.4	5 U	5 U	5 U	5 U	5 U	3.5	1 U	1 U
09/12	1 U	1 U	1 U	1 U	18.3	1 U	1 U	1 U	1 U	1 U	1 U	9.71	6.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/13	1 U	1 U	1 U	1 U	22.6	1 U	1 U	1 U	1 U	1 U	1.07	6.48	6.13	5 U	5 U	5 U	5 U	5 U	3.61	1 U	1 U
09/13	1 U	1 U	1 U	1 U	15.1	1 U	1 U	1 U	1 U	1 U	1 U	8.07	4.3	5 U	5 U	5 U	5 U	5 U	3.27	1 U	1 U
03/14	1 U	1 U	1 U	1 U	21.4	1 U	1 U	1 U	1 U	--	1.07	7.09	7.28	5 U	5 U	5 U	5 U	5 U	3.82	--	1 U
09/14	1 U	1 U	1 U	1 U	21	1 U	1 U	1 U	1 U	1 U	1.55	8.23	8.46	5 U	5 U	5 U	5 U	5 U	3.95	1 U	1 U
03/15	1 U	1 U	1 U	1 U	20.2	1 U	1 U	1 U	1 U	1 U	1.07	7.65	6.36	5 U	5 U	5 U	5 U	5 U	3.73	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
		200		5	5	5	5	0.2	0.05	600	5	5	75						5		80	
<b>09/15</b>	1 U	1 U	1 U	1 U	1 U	18.6	1 U	1 U	1 U	1 U	1.78	11.6	10	5 U	5 U	5 U	5 U	5 U	5 U	4.41	1 U	1 U
<b>03/16</b>	1 U	1 U	1 U	1 U	1 U	21.2	1 U	1 U	1 U	1 U	1.4	9.68	9.23	5 U	5 U	5 U	5 U	5 U	5 U	4.23	1 U	1 U
<b>08/16</b>	1 U	1 U	1 U	1 U	1 U	16.7	1 U	1 U	1 U	1 U	1.49	10.1	8.06	5 U	5 U	5 U	5 U	5 U	5 U	3.95	1 U	1 U
<b>03/17</b>	1 U	1 U	1 U	1 U	1 U	23.6	1 U	1 U	1 U	1 U	1.7	6.28	10.3	5 U	5 U	5 U	5 U	5 U	5 U	4.96	1 U	1 U
<b>09/17</b>	1 U	1 U	1 U	1 U	1 U	17.2	1 U	1 U	1 U	1 U	1.66	10.5	8.53	5 U	5 U	5 U	5 U	5 U	5 U	3.73	1 U	1 U
<b>04/18</b>	1 U	1 U	1 U	1 U	1 U	17.8	1 U	1 U	1 U	1 U	1.56	8.91	8.21	5 U	5 U	5 U	5 U	5 U	5 U	3.66	1 U	1 U
<b>09/18</b>	1 U	1 U	1 U	1 U	1 U	16.4	1 U	1 U	1 U	1 U	1.57	9.02	8.09	5 U	5 U	5 U	5 U	5 U	5 U	3.3	1 U	1 U
<b>04/19</b>	1 U	1 U	1 U	1 U	1 U	18.5	1 U	1 U	1 U	1 U	1.1	8.1	7.4	5 U	5 U	5 U	9	5 U	5 U	3.4	1 U	1 U
<b>08/19</b>	1 U	1 U	1 U	1 U	1 U	15.2	1 U	1 U	1 U	1 U	1.4	9.7	11.3	5 U	5 U	5 U	5 U	5 U	5 U	3.3	1 U	1 U
<b>03/20</b>	1 U	1 U	1 U	1 U	1 U	15.8	1 U	1 U	1 U	1 U	1.1	8.4	9.3	5 U	5 U	5 U	5 U	5 U	5 U	3.1	1 U	1 U
<b>08/20</b>	1 U	1 U	1 U	1 U	1 U	15.2	1 U	1 U	0.048 U	0.019 U	1.1	1.4	10.3	12.3	5 U	5 U	5 U	5 U	5 U	3.4	1 U	1 U
<b>03/21</b>	1 U	1 U	1 U	1 U	1 U	17.1	1 U	1 U	0.047 U	0.019 U	1.1	1.3	9	11	5 U	5 U	5 U	5 U	5 U	3.7	1 U	1 U
<b>09/21</b>	1 U	1 U	1 U	1 U	1 U	12.9	1 U	1 U	0.047 U	0.019 U	1.1	1.4	10.2	13.5	5 U	5 U	5 U	5 U	5 U	3.5	1 U	1 U
<b>03/22</b>	1 U	1 U	1 U	1 U	1 U	17.6	1 U	1 U	0.047 U	0.019 U	1.1	1.3	9.9	12.1	5 U	5 U	5 U	5 U	5 U	3.8	1 U	1 U
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	13.3	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.4	10.8	13.1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.6	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
80	80	5	100	80	70	80	700	10000	80	700	10000	80	700	10000	80	5	10000	100	5	1000	
04/05	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	7.36	0.27 U	0.25 U	5.03	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	1	0.18 U	0.25 U	4.85	1 U
09/05	0.27 U	0.31 U	0.75 U	0.25 U	1 U	1.27	0.27 U	0.25 U	11.79	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	7.22	0.18 U	0.25 U	12.43	0.32 U
04/06	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	2.69	0.27 U	0.25 U	7.57	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	1 U	0.18 U	0.25 U	5.03	0.32 U
09/06	0.27 U	1 U	0.75 U	0.25 U	1 U	1.03	0.27 U	0.25 U	18.1	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	12.3	0.18 U	0.25 U	21.98	0.32 U
04/07	0.27 U	1 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	22.6	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	1.72	0.18 U	0.25 U	1 U	0.32 U
10/07	0.27 U	0.31 U	0.75 U	0.25 U	1 U	1 U	0.27 U	0.25 U	25.91	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	6.16	1 U	0.25 U	23.67	1 U
03/08	0.12 U	0.5 U	--	0.13 U	0.68	0.1 U	0.21 U	0.5 U	25.54	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	9.35	0.22 U	0.2 U	16.57	0.28 U
09/08	0.16 U	0.12 U	--	0.14 U	0.88	2.5	0.12 U	0.2 U	26.92	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	6.24	0.11 U	0.11 U	21.49	0.5 U
03/09	0.16 U	0.5 U	--	0.14 U	0.73	2.61	0.12 U	0.2 U	26.86	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	4.91	0.11 U	0.11 U	7.95	0.5 U
09/09	1 U	1 U	2.5 U	1 U	1.21	1.39	1 U	1 U	21.4	1 U	1 U	1 U	2 U	1 U	0.66 J	1 U	8.27	1 U	1 U	15.4	1 U
07/10	5 U	1 U	1 U	1 U	2	1	1 U	1 U	29	1 U	1 U	1 U	2 U	20 U	--	1 U	9	1 U	1 U	29	1 U
09/10	2 U	2 U	5 U	2 U	1.46 J	1.64 J	2 U	2 U	26.2	2 U	2 U	2 U	4 U	2 U	0.85 J	2 U	8.19	2 U	2 U	17.1	2 U
04/11	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	14	1 U	1 U	1 U	--	1 U	2 U	1 U	10	--	1 U	12	1 U
09/11	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 U	2 U	1 U	1 U	--	1 U	1.8	1 U
03/12	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	23	1 U	1 U	1 U	--	1 U	1 U	1 U	5.9	--	1 U	22	1 U
09/12	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	32.1	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.01	1 U	1 U	26.5	1 U
03/13	1 U	1 U	5 U	1 U	2.27	1 U	1 U	1 U	22.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	7.93	1 U	1 U	22.3	1 U
09/13	1 U	1 U	5 U	1 U	1.23	1 U	1 U	1 U	30.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	14.4	1 U
03/14	1 U	1 U	5 U	1 U	2.69	1 U	1 U	1 U	24.9	1 U	1 U	1 U	2 U	5 U	5 U	1 U	6.3	1 U	1 U	20.8	1 U
09/14	1 U	1 U	5 U	1 U	2.82	1 U	1 U	1 U	31.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.44	1 U	1 U	18.5	1 U
03/15	1 U	1 U	5 U	1 U	2.65	1 U	1 U	1 U	24.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.34	1 U	1 U	15.6	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
	80			5	100		80		70		80	700	10000				5	10000	100	5	1000	
<b>09/15</b>	1 U	1 U	5 U	1 U	3.38	1 U	1 U	1 U	43.2	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.73	1 U	1 U	26.2	1 U	
<b>03/16</b>	1 U	1 U	5 U	1 U	3.4	1 U	1 U	1 U	31.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.34	1 U	1 U	20.7	1 U	
<b>08/16</b>	1 U	1 U	5 U	1 U	3.02	1 U	1 U	1 U	38.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.84	1 U	1 U	17.8	1 U	
<b>03/17</b>	1 U	1 U	5 U	1 U	3.57	1 U	1 U	1 U	47.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	5.76	1 U	1 U	22.4	1 U	
<b>09/17</b>	1 U	1 U	5 U	1 U	3.18	1 U	1 U	1 U	43.7	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.08	1 U	1 U	21.2	1 U	
<b>04/18</b>	1 U	1 U	5 U	1 U	3.25	1 U	1 U	1 U	33	1 U	1 U	1 U	2 U	5 U	5 U	1 U	4.37	1 U	1 U	18.2	1 U	
<b>09/18</b>	1 U	1 U	5 U	1 U	3.44	1 U	1 U	1 U	34.5	1 U	1 U	1 U	2 U	5 U	5 U	1 U	3.25	1 U	1 U	15.8	1 U	
<b>04/19</b>	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	27.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	13	1 U	
<b>08/19</b>	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1 U	44.6	1 U	1 U	1 U	1 U	1 U	1.1	1 U	3.2	1 U	1 U	16.2	1 U	
<b>03/20</b>	1 U	1 U	1 U	1 U	3.5	1 U	1 U	1 U	34.3	1 U	1 U	1 U	1 U	1 U	1.1	1 U	3.6	1 U	1 U	14.8	1 U	
<b>08/20</b>	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	47.5	1 U	1 U	1 U	1 U	1 U	1	1 U	3.1	1 U	1 U	17	1 U	
<b>03/21</b>	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	37.3	1 U	1 U	1 U	1 U	1 U	1.1	1 U	3	1 U	1 U	14.6	1 U	
<b>09/21</b>	1 U	1 U	1 U	1 U	4.1	1 U	1 U	1 U	48.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	1 U	20.8	1 U	
<b>03/22</b>	1 U	1 U	1 U	1 U	4	1 U	1 U	1 U	41.5	1 U	1 U	1 U	1 U	1 U	1.1	1 U	3.5	1 U	1 U	14.8	1 U	
<b>08/22</b>	1.0 U	1.0 U	1.0 U	1.0 U	4.0	1.0 U	1.0 U	1.0 U	46.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.6	1.0 U	1.0 U	17.0	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	2	10000
<b>04/05</b>	--	0.45 U	0.24 U	1 U	10.18	0.36 U	--	1.01	--	
<b>09/05</b>	--	1 U	0.24 U	0.3 U	14.72	2.57	--	1.8	--	
<b>04/06</b>	--	0.45 U	0.24 U	0.3 U	13.99	0.36 U	--	1 U	--	
<b>09/06</b>	--	1.38	0.24 U	0.3 U	17.23	2.26	--	6.32	--	
<b>04/07</b>	--	1 U	0.24 U	0.3 U	0.31 U	0.36 U	--	1.54	--	
<b>10/07</b>	--	2.68	0.24 U	0.3 U	24.95	3.46	--	2.9	--	
<b>03/08</b>	0.07	1.42	0.08 U	--	12.65	1.91	--	6.72	--	
<b>09/08</b>	0.03	1.52	0.13 U	--	18.35	1.78	--	3.97	--	
<b>03/09</b>	0.09	1.23	0.13 U	--	6.22	0.8	--	6.99	--	
<b>09/09</b>	--	1.91	1 U	1 U	18.1	2.42	--	6.3	--	
<b>07/10</b>	--	2	1 U	5 U	22	1 U	1 U	4	--	
<b>09/10</b>	--	2.44	2 U	2 U	20.3	3.8	2 U	6.22	--	
<b>04/11</b>	--	1.8	1 U	5 U	9.4	4.5	6.6	1 U	1 U	
<b>09/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	
<b>03/12</b>	--	2.5	1 U	5 U	17	2.2	1 U	6.4	1 U	
<b>09/12</b>	--	1 U	1 U	5 U	24.9	1 U	5 U	1 U	1 U	
<b>03/13</b>	--	2.55	1 U	5 U	16.7	2.17	5 U	6.64	1 U	
<b>09/13</b>	--	2.09	1 U	5 U	16	1.74	5 U	2.95	1 U	
<b>03/14</b>	--	2.81	1 U	5 U	16.7	1.87	5 U	5.7	1 U	
<b>09/14</b>	--	2.91	1 U	5 U	18.3	2.21	5 U	5.66	1 U	
<b>03/15</b>	--	2.5	1 U	5 U	15	1.47	5 U	5.76	1 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

	MCL	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)
	80	100				5		2	2	10000
<b>09/15</b>	--	2.65	1 U	5 U	28.9	2.47	5 U	3.84	1 U	
<b>03/16</b>	--	3.13	1 U	5 U	19.7	1.92	5 U	6.39	1 U	
<b>08/16</b>	--	2.51	1 U	5 U	20.3	2.09	5 U	3.88	1 U	
<b>03/17</b>	--	3.69	1 U	5 U	15.4	2.54	5 U	5.8	1 U	
<b>09/17</b>	--	2.52	1 U	5 U	21.3	2.29	5 U	3.38	1 U	
<b>04/18</b>	--	2.69	1 U	5 U	17.7	1.73	5 U	4.14	1 U	
<b>09/18</b>	--	2.71	1 U	5 U	17.4	2.48	5 U	4.56	1 U	
<b>04/19</b>	--	3.2	1 U	1 U	12.3	1.1	1 U	7.1	1 U	
<b>08/19</b>	--	2.6	1 U	1 U	16	1.5	1 U	6.2	1 U	
<b>03/20</b>	--	3	1 U	1 U	14.9	1.5	1 U	8.4	1 U	
<b>08/20</b>	--	2.8	1 U	1 U	17.4	1.7	1 U	7	1 U	
<b>03/21</b>	--	3.2	1 U	1 U	13.9	1.4	1 U	9.5	1 U	
<b>09/21</b>	--	2.4	1 U	1 U	18.4	1.8	1 U	6	1 U	
<b>03/22</b>	--	3.4	1 U	1 U	14.6	1.3	1 U	9.1	1 U	
<b>08/22</b>	--	2.4	1.0 U	1.0 U	16.6	1.5	1.0 U	5.5	1.0 U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>05/01</b>	--	--	--	9.1803	--	--	--	--	--	--	--	--	--	--	--	--	--	--	280	--
<b>09/01</b>	--	--	--	7.2977	--	--	--	--	--	--	--	--	--	--	--	--	--	--	255	--
<b>03/02</b>	--	--	--	20.606	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	--
<b>09/02</b>	--	--	--	58.4814	--	--	--	--	--	--	--	--	--	--	--	--	--	--	592	--
<b>06/03</b>	--	--	--	2.5623	--	--	--	--	--	--	0.0178	--	--	--	--	--	0.034	--	167	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0562	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.1053	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.02	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.024	--	--	--	--	--	0.034	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.06	--	--	--	--	--	0.038	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.029	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	242	0.646	49.3	3.16	--	600	0.2 U	--	--	--	--	--	--	78.6	--	328	--	--	125	--
<b>09/10</b>	230	0.29	11.2	7.73	--	165	0.008 U	--	--	--	--	--	--	56.5	--	324	--	--	25.4	--
<b>04/11</b>	74	0.2 U	10 U	4.61	--	114	0.2 U	--	--	--	--	--	--	78.9	--	420	--	--	96.8	--
<b>09/11</b>	228	0.307	27.3	10	--	156	0.2 U	--	--	--	--	--	--	49.2	--	528	--	--	--	--
<b>03/12</b>	51	0.2 U	10 U	3.95	--	140	0.2 U	--	--	--	--	--	--	93.2	--	272	--	--	--	--
<b>09/12</b>	226	0.274	17.8	11.9	--	120	0.2 U	--	--	--	--	--	--	37.9	--	308	--	--	--	--
<b>03/13</b>	33	0.2 U	10 U	4.73	0.63	94	0.292	406	5.78	--	--	329	--	92.8	15.11	184	--	--	--	46.8

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB015 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/13</b>	151	0.2 U	10 U	10.8	--	120	0.2 U	--	--	--	--	--	--	63.3	--	244	--	--	--	--
<b>03/14</b>	29	0.2 U	10 U	4.04	0.67	96	0.678	386	5.40	--	--	236.8	--	91.8	15.37	164	--	--	--	33
<b>09/14</b>	91	0.2 U	11.4	10.3	--	102	0.2 U	292	6.03	--	--	248.6	--	69.1	15.67	198	--	--	--	48.1
<b>03/15</b>	33	0.2 U	10 U	5.96	0	112	1.78	374	6.26	--	--	202.3	--	79	7.32	192	--	--	--	22.1
<b>09/15</b>	88	0.2 U	10 U	9.01	1.8	320	0.2 U	159	6.04	--	--	324.7	--	64.2	21.23	133	--	--	--	31.6
<b>03/16</b>	36	0.2 U	10 U	7.14	0	92	5.185	299	5.98	--	--	253.7	--	60.6	18.17	168	--	--	--	22.9
<b>08/16</b>	151	0.2 U	10 U	12.3	2.18	140	0.2 U	209	5.84	--	--	323.4	--	65.1	24.88	219	--	--	--	32.3
<b>03/17</b>	270	0.2 U	10 U	17.9	--	340	0.2 U	156	6.28	--	--	633.5	--	68.1	16.3	315	--	--	--	6
<b>09/17</b>	242	0.2 U	10 U	16.5	--	142	0.2 U	177	6.39	--	--	590	--	67.6	19.95	377	--	--	--	49
<b>04/18</b>	177	0.2 U	10 U	14.3	0.16	111	0.283	128	6.24	--	--	451.6	--	52.3	13.67	287	--	--	--	30.8
<b>09/18</b>	82.7	0.2 U	18.7	11.4	--	87.2	0.2 U	134	5.79	--	--	307.9	--	4.91	19.93	117	--	--	--	26.2
<b>04/19</b>	50.9	0.18	3 J	7.1	0.79	134 B	0.5	115.7	5.43	5.61	--	366.7	303	91	17	186	--	2.7 U	4.53	4.4
<b>08/19</b>	82.7	0.1 U	3 U	10.3	1.42	91.7	0.6	137.9	5.56	6.45	--	0.325	325	74.4	20.5	197	--	23.4	28.8	281.12
<b>03/20</b>	94.8	0.1 U	3 U	9.8	0.71	92.8	1.27	107.4	6.00	6.18	--	311.4	331	57.9	15.2	151	--	2.3 U	4.66	4.9
<b>08/20</b>	63.1	0.1 U	8.9	8.3	1.1	105	0.78	118	5.73	5.76	--	281.1	307	58.4	18.9	185	--	18.8	31.2	48.2
<b>03/21</b>	60	0.1 U	3 U	5.92	0.18	109	0.245	136.3	5.53	5.76	--	294.5	303	84.7	18.1	120	--	3.3	7.32	11.3
<b>09/21</b>	117	0.05 U	12	8.54	4.02	96.3	1.01	48.1	6.28	6.10	--	328.7	368	57.9	16.8	214 B	--	24.3	27.7	28.5
<b>03/22</b>	112	0.02 U	3 U	9.82	1.92	89.9	1.08	58.2	6.19	6.37	--	367.8	379.8	59	16.9	214	--	10.1	16.6	19.15
<b>08/22</b>	116	0.02 U	9.1 J	8.30	0.98	126	0.470	65.0	5.76	5.87	--	382.7	387	67.3	22.2	228	--	21.1	21.4	28.10

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
05/01	0.0007 U	0.002 U	0.0443	0.0005 U	--	0.0006 U	--	0.0034	0.0034	0.01 U	--	0.0025	--	0.4653	0.0001 U	0.0061
09/01	0.002 U	0.0105	0.0795	0.0017 U	--	0.002 U	--	0.02	0.0155	0.0497	--	0.0413	--	1.035	0.0001 U	0.0255
03/02	0.0005 U	0.002 U	0.0487	0.0017 U	--	0.0006 U	--	0.0034	0.0061	0.0133	--	0.0031	--	0.7007	0.0001 U	0.01 U
09/02	0.0007 U	0.031	0.9	0.009	--	0.015	--	0.425	0.293	0.773	--	0.299	--	7.311	0.0006	0.629
06/03	0.0007 U	0.002 U	0.1019	0.0004 U	--	0.002 U	--	0.0047	0.0242	0.0213	--	0.006	--	5.642	0.0002 U	0.0234
10/03	0.0045 U	0.004 U	0.0999	0.008 U	--	0.0035 U	--	0.01 U	0.0213	0.05 U	--	0.01 U	--	3.5	0.0002 U	0.0288
03/04	0.0009 U	0.0008 U	0.1026	0.0016 U	--	0.0007 U	--	0.002 U	0.0217	0.0113	--	0.0026	--	0.02 U	0.0002 U	0.0206
09/04	0.0028 U	0.0031	0.3716	0.0039	--	0.002 U	--	0.1041	0.0583	0.0416	--	0.0242	--	6.422	0.0002 U	0.1422
04/05	0.0028 U	0.0006 U	0.0852	0.0012 U	--	0.0003 U	--	0.002 U	0.0219	0.0153	--	0.002 U	--	4.44	0.0002 U	0.0197
04/06	0.0006 U	0.002 U	0.0991	0.0007 U	--	0.002 U	--	0.009	0.0163	0.0267	--	0.0088	--	0.002 U	0.0001 U	0.0259
09/06	0.014 U	0.04 U	0.3997	0.018 U	--	0.012 U	--	0.3214	0.2322	0.5593	--	0.1747	--	9.2235	0.0003	0.4895
04/07	0.0007 U	0.0008 U	0.0364	0.0009 U	0.0449	--	--	0.0007 U	0.002 U	0.0061	--	0.002 U	--	--	0.0002 U	0.0086
10/07	0.007 U	0.008 U	0.2282	0.009 U	0.2 U	--	--	0.0521	0.0599	0.1171	--	0.0409	--	--	0.0002 U	0.112
03/08	0.0005 U	0.0006 U	0.0856	0.001 U	0.0366	--	--	0.002 U	0.0095	0.0067	--	0.002 U	--	--	0.0002 U	0.0084
03/09	0.001 U	0.001 U	0.0881	0.0012 U	0.0535	--	--	0.01 U	0.0134	0.01 U	--	0.01 U	--	--	0.0002 U	0.0157
09/09	0.002 U	0.0069	0.119	0.002 U	--	0.0042	29.5	0.019	0.0273	0.0475	54.9	0.017	23.2	5.73	0.0002 U	0.0473
07/10	0.001 U	0.0015	0.072	0.001 U	--	0.001 U	--	0.0035	0.0068	0.0022	--	0.0007 J	--	--	0.0002 U	0.01
09/10	0.005 U	0.005 U	0.0785	0.005 U	--	0.005 U	18	0.005 U	0.005 U	0.0083	27.3	0.005 U	17.4	3.87	0.0002 U	0.0098
04/11	0.005 U	0.005 U	0.0857	0.005 U	--	0.005 U	14.8 J	0.0053	0.0072	0.0119	9.24	0.005 U	22 J	1.78	0.0002 U	0.0149
09/11	0.005 U	0.005 U	0.0919	0.005 U	--	0.005 U	21.6	0.005 U	0.00621	0.0094	39.4	0.005 U	21.6	3.27	0.0002 U	--
03/12	0.005 U	0.005 U	0.0722	0.005 U	--	0.005 U	16.5	0.005 U	0.005 U	0.00664	6.6	0.005 U	21.3	1.28	0.0002 U	0.0144
09/12	0.005 U	0.007	0.0923	0.005 U	--	0.005 U	18.3	0.0114	0.0165	0.0408	47.8	0.00794	17.4	2.5	0.0002 U	--
03/13	0.005 U	0.005 U	0.0709	0.005 U	--	0.005 U	12.9	0.005 U	0.005 U	0.01	2.85	0.005 U	16	0.163	0.0002 U	0.0143
09/13	0.005 U	0.005 U	0.0624	0.005 U	--	0.005 U	16.8	0.005 U	0.0116	0.00585	17.3	0.005 U	17.3	1.1	0.0002 U	0.00873
03/14	0.005 U	0.005 U	0.0635	0.005 U	--	0.005 U	12	0.005 U	0.005 U	0.00693	1.98	0.005 U	14.5	0.13	0.0002 U	0.0115

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/14</b>	0.005 U	0.005 U	0.0944	0.005 U	--	0.005 U	11.6	0.00956	0.0174	0.0281	52.5	0.00818	14.5	0.639	0.0002 U	0.0214
<b>03/15</b>	0.002 U	0.002 U	0.051	0.002 U	--	0.004 U	9.5	0.01 U	0.01 U	0.0018 J	1.9	0.002 U	15	0.028	0.0002 U	0.0061 J
<b>09/15</b>	0.001 U	0.0011	0.063	0.0013	--	0.0005 U	10	0.005 U	0.0092	0.005 U	24	0.0015	14	0.72	0.0002 U	0.01 U
<b>03/16</b>	0.005 U	0.005 U	0.0656	0.005 U	--	0.005 U	13.3	0.005 U	0.005 U	0.005 U	1.69	0.005 U	19.5	0.0851	0.0002 U	0.0119
<b>08/16</b>	0.002 U	0.002 U	0.0704	0.002 U	--	0.002 U	12.4	0.002 U	0.0104	0.00562	22.4	0.002 U	15.9	0.816	0.0002 U	0.013
<b>03/17</b>	0.002 U	0.002 U	0.0944	0.002 U	--	0.002 U	22.6	0.00335	0.00492	0.0194	9.96	0.002 U	25	1.74	0.0002 U	0.018
<b>09/17</b>	0.005 U	0.005 U	0.0948	0.005 U	--	0.005 U	21.1	0.005 U	0.005 U	0.00798	18.5	0.005 U	21	1.26	0.0002 U	0.00763
<b>04/18</b>	0.002 U	0.002 U	0.0669	0.002 U	--	0.002 U	15.5	0.00262	0.002 U	0.002 U	1.32	0.002 U	17.5	0.144	0.0002 U	0.00486
<b>09/18</b>	0.005 U	0.005 U	0.028	0.005 U	--	0.005 U	24.6	0.005 U	0.005 U	0.005 U	0.483	0.005 U	6.25	0.0835	0.0002 U	0.005 U
<b>04/19</b>	0.001 U	0.001 U	0.0875	0.001 U	--	0.001 U	11.7 B	0.00133	0.00517	0.001 U	0.713	0.001 U	25.4	1.92	0.0001 U	0.0343
<b>08/19</b>	0.001 U	0.001 U	0.0591	0.001 U	--	0.001 U	9.21	0.00976	0.001 U	0.00392 B	2.98	0.001 U	16.7	0.0664	0.0001 U	0.00872
<b>03/20</b>	0.001 U	0.001 U	0.0583	0.001 U	--	0.001 U	9.12	0.00108	0.001 U	0.001 U	0.779	0.001 U	17	0.448	0.0001 U	0.0101
<b>08/20</b>	0.001 U	0.001 U	0.0657	0.001 U	--	0.001 U	9.83	0.00383	0.001 U	0.00402	5.82	0.001 U	19.4	0.0662	0.0001 U	0.00818
<b>03/21</b>	0.001 U	0.001 U	0.068	0.001 U	--	0.001 U	9.86	0.001 U	0.00166	0.001 U	1.14	0.001 U	20.4	0.897	0.0001 U	0.0152
<b>09/21</b>	0.001 U	0.001 U	0.0572	0.001 U	--	0.001 U	9.89	0.00353	0.00112	0.00281	3.46	0.001 U	17.4	0.0412	0.0001 U	0.00443
<b>03/22</b>	0.001 U	0.001 U	0.048	0.001 U	--	0.001 U	10.1	0.00198 J	0.001 U	0.00253 J	1.36	0.001 U	15.7	0.0204	0.0001 U	0.001 U
<b>08/22</b>	0.00100 U	0.00100 U	0.0749	0.00100 U	--	0.00100 U	13.1	0.00251 J	0.00106 J	0.00157	3.03	0.00100 U	22.6	0.427	0.000100 U	0.0142

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

	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	0.05				0.002		
<b>05/01</b>	--	0.0018 U	0.0052 U	--	0.0009 U	0.002 U	--
<b>09/01</b>	--	0.0009 U	0.0044 U	--	0.0009 U	0.006	--
<b>03/02</b>	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
<b>09/02</b>	--	0.0012 U	0.0096 U	--	0.001 U	0.198	--
<b>06/03</b>	--	0.0012 U	0.0096 U	--	0.001 U	0.0029	--
<b>10/03</b>	--	0.0035 U	0.011 U	--	0.002 U	0.01 U	--
<b>03/04</b>	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	--	0.0134	0.0018 U	--	0.0006 U	0.039	--
<b>04/05</b>	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/06</b>	--	0.0015 U	0.0004 U	--	0.0004 U	0.0032	--
<b>09/06</b>	--	0.04 U	--	--	0.014 U	0.1477	--
<b>04/07</b>	--	0.0008 U	0.0005 U	--	0.0007 U	0.002 U	0.0081
<b>10/07</b>	--	0.008 U	0.005 U	--	0.007 U	0.0282	1.2155
<b>03/08</b>	--	0.0009 U	0.0008 U	--	0.0006 U	0.0006 U	0.022
<b>03/09</b>	--	0.0012 U	0.0043 U	--	0.0008 U	0.01 U	0.0955
<b>09/09</b>	3.15	0.002 U	0.002 U	35	0.002 U	0.0052	0.698
<b>07/10</b>	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.02
<b>09/10</b>	2.18	0.005 U	0.005 U	53.3	0.005 U	0.005 U	0.0212
<b>04/11</b>	2.29	0.005 U	0.005 U	36.1 J	0.005 U	0.005 U	0.0544
<b>09/11</b>	2.46	0.005 U	0.005 U	59.1	0.005 U	0.005 U	0.0668
<b>03/12</b>	2.12	0.005 U	0.005 U	29.2	0.005 U	0.005 U	0.0966
<b>09/12</b>	2.32	0.005 U	0.005 U	62.5	0.005 U	0.005 U	0.397
<b>03/13</b>	2.04	0.005 U	0.005 U	26.1	0.005 U	0.005 U	0.136
<b>09/13</b>	2.07	0.005 U	0.005 U	50.6	0.005 U	0.005 U	0.0516
<b>03/14</b>	1.84	0.005 U	0.005 U	17.3	0.005 U	0.005 U	0.0723

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

	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	1.8	0.05			0.002		
<b>09/14</b>	1.8	0.005 U	0.005 U	30.6	0.005 U	0.005 U	0.183
<b>03/15</b>	1.7	0.035 U	0.01 U	20	0.002 U	0.01 U	0.034
<b>09/15</b>	1.9	0.005 U	0.001 U	34	0.001 U	0.005 U	0.083
<b>03/16</b>	1.82	0.005 U	0.005 U	22	0.005 U	0.005 U	0.0434
<b>08/16</b>	1.74	0.002 U	0.002 U	42.4	0.001 U	0.002 U	0.0866
<b>03/17</b>	2.21	0.002 U	0.002 U	92.4	0.001 U	0.002 U	0.0439
<b>09/17</b>	2.05	0.005 U	0.005 U	88.1	0.005 U	0.005 U	0.0499
<b>04/18</b>	1.94	0.002 U	0.002 U	73.8	0.001 U	0.002 U	0.0161
<b>09/18</b>	3.82	0.005 U	0.005 U	9.03	0.005 U	0.005 U	0.0058
<b>04/19</b>	1.98	0.001 U	0.001 U	8.44	0.001 U	0.001 U	0.0613
<b>08/19</b>	1.77	0.001 U	0.001 U	32.7	0.001 U	0.001 U	0.0296 B
<b>03/20</b>	1.78	0.001 U	0.001 U	39.9	0.001 U	0.001 U	0.0203
<b>08/20</b>	1.88	0.001 U	0.001 U	24.6	0.001 U	0.001 U	0.027
<b>03/21</b>	1.7	0.001 U	0.001 U	12.8	0.001 U	0.001 U	0.0339
<b>09/21</b>	1.86	0.001 U	0.001 U	43	0.001 U	0.001 U	0.0163
<b>03/22</b>	1.78	0.001 U	0.001 U	46.9	0.001 U	0.001 U	0.00746 J
<b>08/22</b>	1.95	0.00100 U	0.00100 U	37.4	0.00100 U	0.00100 U	0.0245

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
200	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	1 U	--	0.15 U	--	0.21 U	0.2 U
	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
	0.18 U	0.15 U	0.23 U	0.22 U	1.65	0.15 U	0.21 U	1 U	0.2 U	0.19 U	0.17 U	0.21 U	1 U	3.49	0.18 U	--	0.15 U	--	0.21 U	0.2 U
	0.18 U	0.15 U	0.23 U	0.22 U	2.69	1 U	0.21 U	1 U	0.2 U	1 U	0.17 U	0.21 U	1 U	35.64	1 U	--	1 U	--	1 U	0.2 U
	0.13 U	0.24 U	0.44 U	0.25 U	3.21	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U
	0.13 U	0.24 U	1 U	0.25 U	1.48	0.37 U	0.4 U	1.34	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
	0.13 U	0.24 U	0.44 U	0.25 U	3.19	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U
	0.13 U	0.24 U	0.44 U	0.25 U	1.88	0.37 U	0.4 U	0.33 U	0.28 U	11 U	0.27 U	0.34 U	11 U	6.45	0.19 U	--	0.39 U	--	1 U	0.34 U
	0.13 U	0.24 U	0.44 U	0.25 U	7.04	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U
	--	--	--	--	--	--	--	--	--	10 U	--	--	10 U	--	--	--	--	--	--	--
	0.18 U	0.18 U	0.21 U	0.23 U	4.2	0.18 U	0.14 U	0.24 U	0.16 U	10 U	0.18 U	0.17 U	0.23 U	--	--	--	--	--	0.5 U	0.12 U
	0.12 U	0.17 U	0.14 U	0.17 U	4.04	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.5 U	10 U	--	--	--	--	--	0.5 U	0.14 U
	1 U	1 U	1 U	1 U	4.62	1 U	1 U	1 U	1 U	1 U	1 U	0.39 J	0.17 J	1 U	0.19 J	1 U	0.2 J	1 U	0.49 J	1 U
	1 U	1 U	1 U	1 U	3	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U
	2 U	2 U	2 U	2 U	12	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	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 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
	1 U	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
09/12	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/13	1 U	1 U	1 U	1 U	1 U	1.56	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/13	1 U	1 U	1 U	1 U	1 U	3.73	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/14	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 U	5 U	5 U	5 U	5 U	5 U	1 U	--
09/14	1 U	1 U	1 U	1 U	1 U	1.59	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/15	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/15	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/16	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
08/16	1 U	1 U	1 U	1 U	1 U	1.64	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/17	1 U	1 U	1 U	1 U	1 U	5.04	1 U	1 U	1 U	1 U	1 U	1 U	2.36	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/17	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1.84	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
04/18	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/18	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
04/19	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 U	1 U	5 U	5 U	5 U	15.1	5 U	1 U	1 U
08/19	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/20	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
08/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
08/22	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80	80		5	100		80	70	80	700	10000					5	10000	100	5		
05/01	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/01	0.18 U	0.14 U	0.15 U	1.81 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.84 U	0.27 U	0.21 U	1 U
03/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/02	0.18 U	0.14 U	0.15 U	1 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	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	1 U
06/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
10/03	0.18 U	0.14 U	1 U	1 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	0.18 U	0.14 U	1 U	1.77 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/05	0.31 U	0.27 U	1 U	2.5 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/06	0.31 U	0.27 U	1 U	2.5 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/07	0.31 U	0.27 U	0.31 U	2.5 U	0.25 U	0.4 U	1 U	0.27 U	1 U	1.28 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/08	0.19 U	0.12 U	0.5 U	--	0.13 U	0.17 U	0.5 U	0.21 U	0.15 U	1.1 U	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
03/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1.17 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
09/09	1 U	1 U	1 U	2.5 U	1 U	1 U	0.39 J	1 U	1 U	1.51 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/10	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	0.9 J	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	5 U	2 U	2 U	0.98 J	2 U	2 U	1.02 J	2 U	2 U	2 U	4 U	20 U	2 U	2 U	2 U	2 U	2 U	0.54 J
04/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
09/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
03/12	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 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

	MCL	80	80	80	5	100	80	80	70	80	700	10000	5	5	10000	100	5	5	10000	100	5	
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/12	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/13	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/13	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/14	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/14	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/15	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/16	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/16	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.02	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/17	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	3.27	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/17	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	3.21	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/18	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/20	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/21	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/22	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/22	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>05/01</b>	0.24 U--	0.22 U	0.13 U	1 U	0.19 U	0.18 U--	--	--	--	--
<b>09/01</b>	0.24 U--	0.22 U	0.13 U	1 U	1 U	0.18 U--	--	--	--	--
<b>03/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>09/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>06/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U--	--	--	--	--
<b>10/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	7.44	--	--	--
<b>03/04</b>	1 U	--	1 U	0.13 U	0.14 U	1.24	0.18 U--	18.3	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1.42	0.36 U--	4.28	--	--	--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	1 U	1 U	0.36 U--	6.37	--	--	--
<b>04/06</b>	0.32 U--	1 U	0.24 U	0.3 U	2.73	0.36 U--	6.33	--	--	--
<b>09/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1.75	0.36 U--	11.66	--	--	--
<b>04/07</b>	0.32 U--	1 U	0.24 U	0.3 U	1.16	0.36 U--	18.4	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--
<b>03/08</b>	0.28 U	0.01	0.5 U	0.08 U--	0.65	0.07 U--	6.29	--	--	--
<b>03/09</b>	0.12 U	0.02	0.5 U	0.13 U--	0.5 U	0.1 U	--	2.78	--	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	0.91 J	1 U	--	3.92	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	2	1 U	1 U	3	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	1.23 J	2 U	2 U	10.2	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1.1	1 U	1 U	1 U	1 U
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	2.2	1 U	1 U	1.9	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
09/12	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
03/13	1 U	--	1 U	1 U	5 U	1.18	1 U	5 U	1 U	1 U
09/13	1 U	--	1 U	1 U	5 U	2.11	1 U	5 U	1.87	1 U
03/14	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
09/14	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
03/15	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
09/15	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
03/16	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
08/16	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
03/17	1 U	--	1 U	1 U	5 U	1.7	1 U	5 U	1 U	1 U
09/17	1 U	--	1 U	1 U	5 U	1.73	1 U	5 U	1.17	1 U
04/18	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
09/18	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
04/19	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U
08/19	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/20	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/21	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/22	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/22	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>05/01</b>	--	--	--	112.366	--	--	--	--	--	--	--	--	--	--	--	--	--	--	56	--
<b>09/01</b>	--	--	--	108.942	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37	--
<b>03/02</b>	--	--	--	21.4801	--	--	--	--	--	--	--	--	--	--	--	--	--	--	966	--
<b>09/02</b>	--	--	--	190.535	--	--	--	--	--	--	--	--	--	--	--	--	--	--	225	--
<b>06/03</b>	--	--	--	93.1125	--	--	--	--	--	--	0.0279	--	--	--	--	--	0.016	--	94	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0129	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0408	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.0234	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0553	--	--	--	--	--	0.05	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.013	--	--	--	--	--	0.052	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.011	--	--	--	--	--	0.066	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	423	1.57	1080	156	--	740	0.6782	--	--	--	--	--	--	71.8	--	888	--	--	10100	--
<b>09/10</b>	472	3.69	90	173	--	750	0.2 U	--	--	--	--	--	--	67	--	916	--	--	357	--
<b>04/11</b>	282	0.629	107	62.3	--	450	1.33	--	--	--	--	--	--	32.1 J	--	532	--	--	15050	--
<b>09/11</b>	267	1.91	19.6	86.6	--	292	0.2 U	--	--	--	--	--	--	39.7	--	252	--	--	--	--
<b>03/12</b>	249	0.731	18.6	73.5	--	356	0.2 U	--	--	--	--	--	--	44.1	--	568	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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							10													
<b>09/12</b>	374	2.31	23.5	158	--	500	0.2 U	--	--	--	--	--	--	61.8	--	756	--	--	--	--
<b>03/13</b>	268	0.2 U	21.6	59.5	7.91	316	0.606	381	7.16	--	--	394.5	--	39.6	10.2	454	--	--	--	51
<b>09/13</b>	387	2.94	17.2	175	2.74	490	0.2 U	364	6.12	--	--	807.1	--	65	17.66	838	--	--	--	153
<b>03/14</b>	194	0.2 U	10 U	34.8	7.66	238	2.13	305	6.86	--	--	491.2	--	32.6	9.03	324	--	--	--	65
<b>09/14</b>	287	0.95	28.6	80.2	4.53	354	0.756	309	6.89	--	--	544	--	37.2	17.1	516	--	--	--	37.6
<b>03/15</b>	316	0.2 U	20	147	7.33	440	2.22	354	6.83	--	--	959.8	--	47.5	13.71	666	--	--	--	14.4
<b>09/15</b>	323	0.539	17.8	168	--	460	1.93	274	6.23	--	--	356.3	--	47.2	28.25	593	--	--	--	14
<b>03/16</b>	307	1.81	19.1	195	4.42	428	0.731	218	6.42	--	--	1075	--	51.4	11.39	694	--	--	--	45.7
<b>08/16</b>	330	2.82	24.1	191	--	292	0.2 U	219	6.09	--	--	1178	--	45.4	26.68	681	--	--	--	22.7
<b>03/17</b>	335	1.15	16.9	211	--	584	1.71	355	6.51	--	--	1143	--	44.3	18.84	701	--	--	--	48.1
<b>09/17</b>	296	2.25	16.8	219	0.96	520	0.807	244	6.39	--	--	1215	--	45.9	18.99	780	--	--	--	21.5
<b>03/18</b>	280	0.613	27.1	250	--	524	2.31	207	6.32	--	--	1215	--	48.9	25.82	736	--	--	--	22.9
<b>09/18</b>	300	2.67	26.3	251	--	455	0.2 U	88	5.86	--	--	1358	--	41.3	23.55	751	--	--	--	35
<b>04/19</b>	315	0.33	25	191	1.63	388	0.2 U	138.7	6.36	6.26	--	1449	1210	45.8	15.9	751	--	19.3	12.8	15.9
<b>07/19</b>	330	1.96	22.2	170	0.23	354	1.9	200	5.99	5.32	--	1143	1180	45.2	19.5	732	--	6.3	1.5	0
<b>03/20</b>	310	0.37	25.6	190	2.15	377	3.27	180	6.32	6.41	--	1062	1190	37.6	14	698	--	57	72.5	33.2
<b>07/20</b>	329	3.65	34.7	158	0.68	366	0.2 U	112.4	5.59	6.20	--	1081	1210	32.5	18.4	682	--	17.8	9.27	12.1
<b>03/21</b>	330	0.37	17	150	0.07	315	3.85	82.3	6.30	6.38	--	985	1150	32.3	13.9	1300	--	83.3	57.5	158
<b>09/21</b>	390	4.7	29.1	130	0.76	354	0.144	40.9	6.16	6.12	--	1037	1130	29.1	17.6	621	--	275	97	215
<b>03/22</b>	330	0.14 J	18.6	151	1.05	361	4.94	76.1	6.39	6.52	--	1035	1170	29.5	14	649	--	66.2	65	78.32
<b>08/22</b>	394	2.92	35.5	142	0.68	384	1.36	144.3	6.02	5.60	--	1140	1185	26.8	22.5	671	--	32.7	14.9	26.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
05/01	0.0007 U	0.0005 U	0.0597	0.0005 U	--	0.002 U	--	0.0046	0.0102	0.01 U	--	0.0031	--	12.98	0.0001 U	0.0051
09/01	0.002 U	0.002 U	0.0851	0.0017 U	--	0.0006 U	--	0.0012 U	0.0138	0.0105	--	0.002 U	--	16.2	0.0001 U	0.01 U
03/02	0.0005 U	0.0041	0.1423	0.0017 U	--	0.002 U	--	0.0182	0.0102	0.0382	--	0.0401	--	0.3974	0.0002 U	0.0215
09/02	0.0007 U	0.0065	0.1118	0.0004 U	--	0.002 U	--	0.006	0.0289	0.0214	--	0.0043	--	20.94	0.0001 U	0.0281
06/03	0.0256	0.02 U	0.1133	0.02 U	--	0.02 U	--	0.02 U	0.0311	0.0439	--	0.02 U	--	11.46	0.0002 U	0.0366
10/03	0.0009 U	0.0008 U	0.0846	0.0016 U	--	0.002 U	--	0.002 U	0.0109	0.01 U	--	0.002 U	--	7.731	0.0002 U	0.0074
03/04	0.0009 U	0.0034	0.1361	0.0016 U	--	0.002 U	--	0.0228	0.041	0.0339	--	0.0086	--	1.9548	0.0002 U	0.0446
09/04	0.0028 U	0.0006 U	0.08	0.0012 U	--	0.002 U	--	0.0035	0.0104	0.0153	--	0.002 U	--	5.523	0.0001 U	0.0138
04/05	0.0028 U	0.0006 U	0.0817	0.0012 U	--	0.002 U	--	0.0007 U	0.0166	0.0137	--	0.0006 U	--	11.562	0.0001 U	0.0109
09/05	0.0028 U	0.004	0.2081	0.002 U	--	0.0024	--	0.0652	0.0865	0.0774	--	0.026	--	15.005	0.0002	0.0872
04/06	0.0006 U	0.0006 U	0.0658	0.0007 U	--	0.002 U	--	0.002 U	0.0119	0.0085	--	0.0021	--	10.264	0.0001 U	0.009
09/06	0.0007 U	0.0008 U	0.0794	0.0009 U	--	0.002 U	--	0.002 U	0.0157	0.0075	--	0.002 U	--	9.249	0.0002 U	0.0097
04/07	0.0007 U	0.002 U	0.0832	0.0009 U	0.2 U	--	--	0.0007 U	0.0187	0.0065	--	0.0007 U	--	--	0.0002 U	0.0113
10/07	0.0007 U	0.002 U	0.1065	0.0009 U	0.1818	--	--	0.0046	0.0229	0.0083	--	0.002 U	--	--	0.0002 U	0.0161
03/08	0.0005 U	0.0024	0.1388	0.001 U	0.1665	--	--	0.0089	0.0329	0.0146	--	0.0026	--	--	0.0002 U	0.0215
09/08	0.001 U	0.004 U	0.1179	0.002 U	0.4 U	--	--	0.0016 U	0.027	0.0065	--	0.002 U	--	--	0.0002 U	0.0128
03/09	0.001 U	0.01 U	0.1126	0.0012 U	0.2087	--	--	0.0007 U	0.0241	0.01 U	--	0.0007 U	--	--	0.0002 U	0.0127
09/09	0.002 U	0.0037	1.31	0.0137	--	0.0174	111	0.105	0.418	0.364	239	0.148	82.8	55.8	0.0003	0.226
07/10	0.001 U	0.0009 J	0.15	0.001 U	--	0.0006 J	--	0.0035	0.041	0.0085	--	0.0013	--	--	0.0001 J	0.022
09/10	0.005 U	0.005 U	0.192	0.005 U	--	0.005 U	90.2	0.0193	0.0532	0.0302	29.9	0.005 U	71.6	24.2	0.0002 U	0.0506
04/11	0.005 U	0.005 U	0.195	0.005 U	--	0.005 U	92.7	0.005 U	0.0244	0.0062	1.32	0.005 U	70.2	6.86	0.00142	0.0183
09/11	0.005 U	0.005 U	0.163	0.005 U	--	0.005 U	65.1	0.005 U	0.0285	0.0168	5.73	0.0137	44.2	10.52	0.0002 U	--
03/12	0.005 U	0.005 U	0.146	0.005 U	--	0.005 U	73.3	0.0297	0.0393	0.0374	31.7	0.00771	57.7	7.21	0.00129	0.00984
09/12	0.005 U	0.005 U	0.631	0.00617	--	0.005 U	89.5	0.0174	0.122	0.143	25.9	0.0269	62.4	20.7	0.00052	0.0145
03/13	0.005 U	0.005 U	0.0769	0.005 U	--	0.005 U	56.2	0.00811	0.00673	0.0194	4.68	0.005 U	41.5	0.818	0.0002 U	0.00773

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
09/13	0.005 U	0.005 U	0.175	0.005 U	--	0.005 U	91.2	0.0117	0.0373	0.0153	17	0.005 U	69	18.2	0.000218	0.011
03/14	0.005 U	0.005 U	0.0539	0.005 U	--	0.005 U	39.6	0.00604	0.005 U	0.00796	3.1	0.005 U	27	0.21	0.0002 U	0.00887
09/14	0.0212	0.0263	0.624	0.116	--	0.115	61.9	0.305	0.336	0.337	163	0.122	90.3	12.8	0.000234	0.4
03/15	0.002 U	0.002 U	0.071	0.002 U	--	0.004 U	81	0.0082 J	0.009 J	0.0042 J	0.79	0.002 U	59	14	0.0002 U	0.022
09/15	0.001 U	0.001 U	0.07	0.001 U	--	0.0005 U	83	0.005 U	0.009	0.005 U	0.5	0.001 U	58	15	0.0002 U	0.015
03/16	0.005 U	0.005 U	0.22	0.005 U	--	0.005 U	86.1	0.00713	0.0501	0.0122	7.64	0.005 U	62.6	20.3	0.0002 U	0.0334
08/16	0.002 U	0.002 U	0.144	0.002 U	--	0.002 U	71.7	0.002 U	0.0339	0.00371	3.94	0.002 U	52.4	21.7	0.0002 U	0.0167
03/17	0.005 U	0.005 U	0.123	0.005 U	--	0.005 U	81.2	0.005 U	0.0339	0.0242	2.88	0.005 U	58.6	22.4	0.0002 U	0.0213
09/17	0.005 U	0.005 U	0.115	0.005 U	--	0.005 U	83.3	0.005 U	0.026	0.00532	3.74	0.005 U	61	21.4	0.0002 U	0.0156
03/18	0.005 U	0.005 U	0.121	0.005 U	--	0.005 U	86.1	0.005 U	0.0302	0.00698	2.38	0.005 U	59.8	25	0.0002 U	0.0197
09/18	0.005 U	0.005 U	0.139	0.005 U	--	0.005 U	82.9	0.005 U	0.0377	0.00904	3.6	0.005 U	60.3	24	0.0002 U	0.0239
04/19	0.001 U	0.001 U	0.0912	0.001 U	--	0.001 U	62.1 B	0.00293	0.031	0.001 U	1.3	0.001 U	56.5	24.7	0.000117	0.0184
07/19	0.001 U	0.001 U	0.1	0.001 U	--	0.001 U	57.6 B	0.00234	0.03	0.0336	0.323	0.001 U	51.1	22.6	0.0001 U	0.0181
03/20	0.001 U	0.00196	0.115	0.001 U	--	0.001 U	60.5	0.0354	0.0351	0.00531	10.8	0.0012	54.4	22.7	0.0001 U	0.0364
07/20	0.001 U	0.001 U	0.138	0.001 U	--	0.001 U	59.1	0.00213	0.0365	0.00177	2.21	0.001 U	53.1	24.1	0.0001 U	0.0161
03/21	0.001 U	0.001 U	0.1	0.001 U	--	0.001 U	51.5	0.00296	0.0268	0.00224	5.07	0.001 U	45.2	19.6	0.0001 U	0.0203
09/21	0.001 U	0.00169	0.143	0.001 U	--	0.001 U	58.1	0.00899	0.0361	0.00664	13.7	0.00148	50.7	21.2	0.0001 U	0.027
03/22	0.001 U	0.001 U	0.109	0.001 U	--	0.001 U	64.1	0.0025 J	0.0274	0.00288 J	2.8	0.001 U	48.8	22.2	0.0001 U	0.014
08/22	0.00100 U	0.00100 U	0.124	0.00100 U	--	0.00100 U	65	0.00269 J	0.0305	0.00227	1.85	0.00100 U	54	23.6	0.000100 U	0.0161

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

	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	0.05				0.002		
05/01	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	--
09/01	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
03/02	--	0.0009 U	0.0044 U	--	0.0009 U	0.0238	--
09/02	--	0.006	0.0096 U	--	0.001 U	0.0127	--
06/03	--	0.012 U	0.096 U	--	0.01 U	0.02 U	--
10/03	--	0.002 U	0.0022 U	--	0.0004 U	0.002 U	--
03/04	--	0.0025	0.0022 U	--	0.001 U	0.0171	--
09/04	--	0.002 U	0.0018 U	--	0.0006 U	0.0022	--
04/05	--	0.002 U	0.0018 U	--	0.0006 U	0.0004 U	--
09/05	--	0.0053	0.0018 U	--	0.0006 U	0.0629	--
04/06	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
09/06	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	--
04/07	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0378
10/07	--	0.0023	0.0005 U	--	0.0007 U	0.002 U	0.0487
03/08	--	0.002 U	0.0001 U	--	0.0001 U	0.0087	0.1868
09/08	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.0263
03/09	--	0.01 U	0.0043 U	--	0.0008 U	0.0008 U	0.0243
09/09	17.6	0.0364	0.002 U	84	0.002 U	0.156	3.95
07/10	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.046
09/10	16.6	0.0059	0.005 U	88.9	0.005 U	0.0141	0.109
04/11	7.24	0.005 U	0.005 U	100 J	0.005 U	0.005 U	0.0216
09/11	14.3	0.005 U	0.005 U	54.3	0.005 U	0.00768	0.0256
03/12	10.7	0.00523	0.005 U	43.9	0.005 U	0.0236	0.112
09/12	16.8	0.00877	0.005 U	69	0.005 U	0.0452	0.13
03/13	9.22	0.005 U	0.005 U	39	0.005 U	0.00766	0.0196

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

	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		0.05			0.002		
<b>09/13</b>	16.4	0.005 U	0.005 U	83.5	0.005 U	0.00998	0.04
<b>03/14</b>	6.49	0.005 U	0.005 U	20.4	0.005 U	0.005 U	0.015
<b>09/14</b>	13.2	0.0411	0.0991	38.4	0.0778	0.261	0.962
<b>03/15</b>	14	0.035 U	0.01 U	66	0.002 U	0.01 U	0.0085 J
<b>09/15</b>	14	0.005 U	0.001 U	70	0.001 U	0.005 U	0.0096
<b>03/16</b>	14.2	0.00544	0.005 U	77.9	0.005 U	0.00507	0.0415
<b>08/16</b>	13.5	0.00273	0.002 U	69.8	0.001 U	0.002 U	0.0121
<b>03/17</b>	15	0.00605	0.005 U	80	0.005 U	0.005 U	0.0168
<b>09/17</b>	14.6	0.005 U	0.005 U	80.8	0.005 U	0.005 U	0.0261
<b>03/18</b>	14.9	0.005 U	0.005 U	80.4	0.005 U	0.005 U	0.034
<b>09/18</b>	14.4	0.00802	0.005 U	80.3	0.005 U	0.005 U	0.0198
<b>04/19</b>	14.4	0.001 U	0.001 U	82.4	0.001 U	0.001 U	0.0127
<b>07/19</b>	13.5	0.001 U	0.001 U	73.7 B	0.001 U	0.001 U	0.0114
<b>03/20</b>	16.1	0.00112	0.001 U	83.3	0.001 U	0.00377	0.0258
<b>07/20</b>	15.5	0.001 U	0.001 U	82.5	0.001 U	0.001 U	0.00831
<b>03/21</b>	13.4	0.001 U	0.001 U	71.7	0.001 U	0.001 U	0.0106
<b>09/21</b>	16.2	0.001 U	0.001 U	79.8	0.001 U	0.00489	0.0358
<b>03/22</b>	16.1	0.001 U	0.001 U	78.4	0.001 U	0.001 U	0.00756 J
<b>08/22</b>	17.6	0.00100 U	0.00100 U	85.3	0.00100 U	0.00100 U	0.0102

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
	200		5	5	5	5	0.2	0.05	600	5	5	75						5		
05/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	1 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	1 U	0.2 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	0.19 U	0.17 U	0.21 U	0.12 U	0.08	0.18 U	--	0.15 U	--	0.21 U	0.2 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	4.6	1 U	--	1 U	--	0.21 U	0.2 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.44 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	1.38	0.29 U	0.19 U	--	0.39 U	--	1 U	0.34 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.5 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.24 U	0.12 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.7	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.5 U	0.84	--	--	--	--	--	0.5 U	0.14 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	--	0.13 U	0.5 U	--	--	--	--	--	--	0.09 U	0.14 U
09/09	1 U	1 U	1 U	1 U	1.13	1 U	1 U	1 U	1 U	0.34 J	1 U	0.4 J	3.16	1 U	1 U	1 U	1 U	1 U	0.46 J	1 U
07/10	1 U	1 U	1 U	1 U	2	1 U	1 U	10 U	1 U	1 U	1 U	3	10 U	5 U	5 U	5 U	10 U	1	1 U	
09/10	2 U	2 U	2 U	2 U	1.11 J	2 U	2 U	143	2 U	2 U	2 U	3.8	0.87 J	2 U	2 U	2 U	2 U	2 U	2.11	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
09/11	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100
03/12	100	100	100	100	100	100	100	100	100	100	0.37	100	100	3.7	50	50	50	50	50	100	100
09/12	100	100	100	100	100	100	100	100	100	100	100	100	100	3.3	50	50	50	50	50	100	100
03/13	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100
09/13	100	100	100	100	100	2.16	100	100	100	100	100	100	100	6.84	50	50	50	50	50	1.43	100
03/14	100	100	100	100	100	100	100	100	100	100	--	100	100	100	50	50	50	50	50	100	--
09/14	100	100	100	100	100	100	100	100	100	100	100	100	100	1.48	50	50	50	50	50	100	100
03/15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100
09/15	100	100	100	100	100	100	100	100	100	100	100	100	100	1.15	50	50	50	50	50	100	100
03/16	100	100	100	100	100	1.42	100	100	100	100	100	100	100	1.49	50	50	50	50	50	100	100
08/16	100	100	100	100	100	1.77	100	100	100	100	100	100	100	1.37	50	50	50	7.99	50	100	100
03/17	100	100	100	100	100	1.14	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100
09/17	100	100	100	100	100	2.71	100	100	100	100	100	100	100	1.82	50	50	50	50	50	100	100
03/18	100	100	100	100	100	1.3	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100
09/18	100	100	100	100	100	2.87	100	100	100	100	100	100	1.07	2.83	50	50	50	50	50	100	100
04/19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	14.5	50	100	100
07/19	100	100	100	100	100	100	100	100	100	100	100	100	100	3.1	50	50	50	5.8	50	100	100
03/20	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	100	100
07/20	100	100	100	100	100	1.2	100	100	0.047	0.019	100	100	100	4.3	50	50	50	50	50	100	100
03/21	100	100	100	100	100	100	100	100	0.047	0.019	100	100	100	100	50	50	50	50	50	100	100
09/21	100	100	100	100	100	100	100	100	0.047	0.019	100	100	100	4.7	50	50	50	50	50	100	100

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.021 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	3.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80	80		5	100		80	70	80	700	10000					5	10000	100	5		
05/01	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
09/01	0.18 U	0.14 U	1 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	1 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.69	0.27 U	0.21 U	1 U
03/02	0.18 U	0.14 U	0.15 U	1 U	0.15 U	0.28 U	1 U	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/02	0.18 U	0.14 U	0.15 U	1 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	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
06/03	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 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.45
10/03	0.18 U	0.14 U	0.15 U	1 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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	0.18 U	0.14 U	0.15 U	1 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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
09/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/06	0.31 U	0.27 U	1 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	2.56	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
10/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.58	0.31 U	0.27 U	1 U	6.07	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.44
03/08	0.19 U	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	4.38	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
09/08	0.11 U	0.16 U	0.12 U	--	0.14 U	1.07	0.5 U	0.12 U	0.5 U	6.23	0.12 U	0.13 U	0.12 U	0.23 U	--	5 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
03/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.5 U	0.13 U	0.12 U	0.2 U	4.12	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
09/09	1 U	1 U	1 U	2.5 U	1 U	1.93	0.33 J	1 U	1 U	7.5	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.7 J
07/10	1 U	5 U	1 U	1 U	1 U	3	1 U	1 U	1 U	11	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	5 U	2 U	4.5	0.69 J	2 U	2 U	6.82	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	0.86 J
04/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

	MCL	80	80	80	5	100	80	70	80	700	10000	5	5	10000	100	5	5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/11	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	--	1U	2U	1U	1U	--	1U	1U	
03/12	1U	1U	1U	1U	1U	1U	3.6	1U	1U	1U	4.9	1U	1U	1U	--	1U	1U	1U	--	1U	3.8	
09/12	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	9.55	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
03/13	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1.4	
09/13	1U	1U	1U	5U	1U	1U	7.75	1U	1U	1U	19.5	1U	1U	2U	5U	5U	1U	1U	1U	1U	3.92	
03/14	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
09/14	1U	1U	1U	5U	1U	1U	2.34	1U	1U	1U	1.02	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
03/15	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	3.14	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
09/15	1U	1U	1U	5U	1U	1U	2.15	1U	1U	1U	7.14	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
03/16	1U	1U	1U	5U	1U	1U	1.56	1U	1U	1U	9.22	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
08/16	1U	1U	1U	5U	1U	1U	1.64	1U	1U	1U	12	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
03/17	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	7.39	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
09/17	1U	1U	1U	5U	1U	1U	1.6	1U	1U	1U	16.9	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
03/18	1U	1U	1U	5U	1U	1U	1U	1U	1U	1U	7.85	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
09/18	1U	1U	1U	5U	1U	1U	3.02	1U	1U	1U	17.1	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	
04/19	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	3.6	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
07/19	1U	1U	1U	1U	1U	1U	2.7	1U	1U	1U	7.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
03/20	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	4.3	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
07/20	1U	1U	1U	1U	1U	1U	3.6	1U	1U	1U	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
03/21	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2.4	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
09/21	1U	1U	1U	1U	1U	1U	4.8	1U	1U	1U	3.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.7	1.0 U	1.0 U	1.0 U	3.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>05/01</b>	0.24 U--	0.22 U	0.13 U	1 U	0.19 U	0.18 U--	--	--	--	--
<b>09/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U--	--	--	--	--
<b>03/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>09/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U--	--	--	--	--
<b>06/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U--	--	--	--	--
<b>10/03</b>	0.24 U--	0.22 U	0.13 U	1 U	0.19 U	0.18 U--	2.49	--	--	--
<b>03/04</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U--	0.12	--	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	3.33	--	--	--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	0.32 U--	--	--	--
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U--	1.21	--	--	--
<b>04/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	0.32 U--	--	--	--
<b>09/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	2.15	--	--	--
<b>04/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1.04	0.36 U--	1 U	--	--	--
<b>10/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	2.43	0.36 U--	5.29	--	--	--
<b>03/08</b>	0.28 U	0.06	0.22 U	0.08 U--	1.21	0.07 U--	0.5 U	--	--	--
<b>09/08</b>	0.12 U	0.06	0.5 U	0.13 U--	0.13 U	0.1 U	4.29	--	--	--
<b>03/09</b>	0.12 U	0.05	0.14 U	0.13 U--	0.96	0.1 U	0.5 U	--	--	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	1.66	1 U	--	2.61	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	2	1 U	1 U	3	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	2.24	2 U	2 U	4.04	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
09/11	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
03/12	1 U	--	1 U	1 U	5 U	2.1	1 U	1 U	1 U	1 U
09/12	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
03/13	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
09/13	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	3.47	1 U
03/14	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
09/14	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
03/15	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
09/15	1 U	--	1 U	1 U	5 U	2.07	1 U	5 U	2.78	1 U
03/16	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.43	1 U
08/16	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	3.79	1 U
03/17	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.26	1 U
09/17	1 U	--	1 U	1 U	5 U	1.29	1 U	5 U	4.64	1 U
03/18	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1.29	1 U
09/18	1 U	--	1 U	1 U	5 U	1.08	1 U	5 U	5.66	1 U
04/19	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/19	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	3.5	1 U
03/20	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/20	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U
03/21	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/21	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	3.5	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

	MCL	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)
<b>03/22</b>	1000	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1000	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.3	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>05/01</b>	--	--	--	187.897	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.2	--
<b>09/01</b>	--	--	--	114.151	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.5	--
<b>03/02</b>	--	--	--	447.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	66.5	--
<b>09/02</b>	--	--	--	550.964	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.8	--
<b>06/03</b>	--	--	--	82.9571	--	--	--	--	--	--	0.0106	--	--	--	--	--	0.042	--	6.9	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0607	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0243	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.17	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	0.03	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.0291	--	--	--	--	--	0.083	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.023	--	--	--	--	--	0.26	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.021	--	--	--	--	--	0.061	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.023	--	--	--	--	--	0.05	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	0.058	--	--	--	--	--	0.04	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.03	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	1140	11.2	262	560	--	810	0.2 U	--	--	--	--	--	--	71.9	--	2120	--	--	191	--
<b>09/10</b>	1100	8.98	252	577	--	900	0.2 U	--	--	--	--	--	--	57.4	--	2252	--	--	71.4	--
<b>04/11</b>	1008	11.1	235	578	--	775	0.2 U	--	--	--	--	--	--	74.3	--	2308	--	--	23.7	--
<b>09/11</b>	1000	11.1	237	564	--	701	0.2 U	--	--	--	--	--	--	74.4	--	2244	--	--	--	--
<b>03/12</b>	1056	11.6	227	602	--	640	0.2 U	--	--	--	--	--	--	55.4	--	2268	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>09/12</b>	1060	12	242	588	--	700	0.2 U	--	--	--	--	--	--	55.2	--	2236	--	--	--	--
<b>03/13</b>	1110	14	235	558	0.2	686	0.2 U	299	6.86	--	--	3.298	--	48.1	13.17	2146	--	--	--	58.9
<b>09/13</b>	1080	13.3	126	543	0.04	696	0.2 U	272	6.41	--	--	3303	--	44.7	16.15	2158	--	--	--	84.5
<b>03/14</b>	980	13.5	176	519	0.01	710	0.2 U	251	6.80	--	--	3270	--	45	13.51	2122	--	--	--	79.5
<b>09/14</b>	1000	12.3	147	520	5.86	684	0.2 U	234	6.74	--	--	3129	--	69.4	15.69	2098	--	--	--	19.9
<b>03/15</b>	1040	14.6	87	563	0	724	0.2 U	290	7.07	--	--	1902	--	65.3	13.58	2066	--	--	--	15.4
<b>09/15</b>	1100	15.8	120	551	--	700	0.2 U	163	6.54	--	--	3390	--	64.9	16.36	2099	--	--	--	8.5
<b>03/16</b>	1160	16.1	210	560	0	660	0.2 U	287	6.80	--	--	3339	--	51.9	14.56	2220	--	--	--	6.5
<b>08/16</b>	2180	18.3	146	528	0.5	620	0.2 U	244	6.76	--	--	3436	--	48	21.24	2100	--	--	--	13.7
<b>03/17</b>	1340	16.7	229	519	--	620	0.2 U	253	6.74	--	--	3128	--	43.5	14.49	1830	--	--	--	6.3
<b>09/17</b>	1200	23.7	148	464	0.3	680	0.2 U	271	6.78	--	--	3443	--	27.1	15.97	1990	--	--	--	0.4
<b>04/18</b>	1090	19.4	222	465	--	541	0.2 U	212	6.80	--	--	2225	--	31.1	12.48	1860	--	--	--	3.4
<b>09/18</b>	1050	23.7	142	466	0.09	575	0.2 U	63	6.80	--	--	2646	--	25.5	20.91	1840	--	--	--	3.2
<b>04/19</b>	957	18.3	131	410	0.02	492	0.9	102.9	6.68	6.80	--	3530	2930	83.3	14	1760	--	2.7	0.96	9.7
<b>08/19</b>	1050	18	149	472	0.15	550	1.1	61.2	6.38	6.68	--	3.129	3160	99.4	16.5	1960	--	42.8	5.15	0.4
<b>03/20</b>	1040	17.3	147	487	0.41	601	2.13	77.1	6.56	6.70	--	3069	3330	78.7	14.9	1950	--	4.5	1.98	0
<b>07/20</b>	1050	19.8	155	475	0.5	583	1.45	47.4	6.48	6.65	--	2965	3360	70.1	18.8	1970	--	5.4	2.44	0
<b>03/21</b>	1050	19.2	133	474	0.02	530	0	159.8	6.64	6.79	--	2935	3370	65.3	15.1	1860	--	32.6	3.73	14.92
<b>09/21</b>	1130	19	142	455	0.59	563	0.011 J	44.8	6.64	6.76	--	3091	3.24	62.9	18.7	1880	--	34.7	20.4	18
<b>03/22</b>	1010	18.9	135	443	0.83	564	0.011 U	141.3	6.61	6.78	--	2785	3.282	50.2	12	1880	--	16.7	11.8	7.22
<b>08/22</b>	1160	16.9	142	444	0.15	619	0.011 U	15.4	6.46	7.00	--	2977	3.289	44.6	17.3	1930	--	45.1	35.1	18.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002		
05/01	0.0007 U	0.002 U	0.1103	0.0005 U	--	0.002 U	--	0.0043	0.0201	0.0166	--	0.0028	--	4.29	0.0001 U	0.0113	--
09/01	0.0038	0.002 U	0.0859	0.0017 U	--	0.002 U	--	0.002 U	0.0247	0.0161	--	0.0025	--	3.72	0.0002 U	0.0106	--
03/02	0.002 U	0.0052	0.2397	0.0017 U	--	0.0022	--	0.0029	0.0591	0.0702	--	0.0036	--	16.29	0.0002 U	0.0421	--
09/02	0.0007 U	0.0251	0.255	0.0004 U	--	0.002 U	--	0.0005 U	0.0737	0.2655	--	0.002 U	--	17.81	0.0002 U	0.0781	--
06/03	0.0007 U	0.002 U	0.0633	0.0004 U	--	0.002 U	--	0.0005 U	0.0134	0.0236	--	0.002 U	--	2.041	0.0002 U	0.0082	--
10/03	0.0009 U	0.0008 U	0.0818	0.0016 U	--	0.0007 U	--	0.0005 U	0.0947	0.01 U	--	0.002 U	--	4.083	0.0002 U	0.0052	--
03/04	0.0009 U	0.0008 U	0.1215	0.0016 U	--	0.0007 U	--	0.002 U	0.0145	0.0228	--	0.002 U	--	6.425	0.0002 U	0.023	--
09/04	0.0028 U	0.002 U	0.2291	0.0012 U	--	0.002 U	--	0.002 U	0.1029	0.0248	--	0.0026	--	17.25	0.0001 U	0.0362	--
04/05	0.0028 U	0.002 U	0.3498	0.0012 U	--	0.002 U	--	0.0024	0.0991	0.0384	--	0.002 U	--	25.835	0.0001 U	0.09	--
09/05	0.0028 U	0.002 U	0.3393	0.0012 U	--	0.002	--	0.0043	0.1041	0.211	--	0.0046	--	24.56	0.0001 U	0.0767	--
04/06	0.0006 U	0.0042	0.3277	0.0007 U	--	0.002 U	--	0.0029	0.0894	0.0543	--	0.0022	--	0.002 U	0.0001 U	0.0913	--
09/06	0.002	0.0061	0.3264	0.0009 U	--	0.002 U	--	0.0026	0.1094	0.0437	--	0.002 U	--	--	0.0002 U	0.087	--
04/07	0.0007 U	0.0057	0.3338	0.0009 U	2.6268	--	--	0.0035	0.0873	0.0557	--	0.002 U	--	--	0.0002 U	0.0942	--
10/07	0.007 U	0.02 U	0.7682	0.009 U	2.054	--	--	0.1373	0.2586	1.8022	--	0.0806	--	--	0.0006	0.2651	--
03/08	0.0005 U	0.0063	0.3156	0.001 U	1.3826	--	--	0.0033	0.0821	0.0638	--	0.002 U	--	--	0.0002 U	0.0908	--
09/08	0.001 U	0.0061	0.3331	0.002 U	4.9233	--	--	0.0088	0.0876	0.088	--	0.0055	--	--	0.0002 U	0.0871	--
03/09	0.001 U	0.01 U	0.4215	0.0024 U	4.394	--	--	0.02 U	0.085	0.1301	--	0.01 U	--	--	0.0002 U	0.1029	--
09/09	0.002 U	0.0065	0.385	0.002 U	--	0.0021	116	0.0105	0.0925	0.136	8.95	0.0043	94.8	22.2	0.0002 U	0.118	37.2
07/10	0.001 U	0.0028	0.34	0.001 U	--	0.0017	--	0.0082	0.086	0.1	--	0.0035	--	--	0.0002 U	0.097	--
09/10	0.005 U	0.0068	0.342	0.005 U	--	0.005 U	114	0.005 U	0.0842	0.0908	3.55	0.005 U	94.3	21.8	0.0002 U	0.101	37.8
04/11	0.005 U	0.0061	0.349	0.005 U	--	0.005 U	124	0.005 U	0.0764	0.0483	1.69	0.005 U	102 J	23.5	0.0002 U	0.092	39.8 J
09/11	0.005 U	0.00581	0.344	0.005 U	--	0.005 U	119.7	0.005 U	0.0724	0.0449	0.798	0.005 U	98.4	20.9	0.0002 U	--	40.4
03/12	0.005 U	0.005 U	0.355	0.005 U	--	0.005 U	115	0.005 U	0.0734	0.0505	0.945	0.005 U	97.4	21.2	0.0002 U	0.09	39.9
09/12	0.005 U	0.005 U	0.349	0.005 U	--	0.005 U	120	0.00622	0.0729	0.0485	1.01	0.005 U	97.4	21.7	0.0002 U	0.097	41.4
03/13	0.01 U	0.0112	0.404	0.01 U	--	0.01 U	118	0.014	0.0852	0.071	1.93	0.005 U	104	20.2	0.0002 U	0.107	47.4

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)	Potassium, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002		
<b>09/13</b>	0.005 U	0.00523	0.347	0.005 U	--	0.005 U	116	0.005 U	0.0704	0.0709	2.03	0.005 U	96.9	20.1	0.0008 U	0.0963	46.7
<b>03/14</b>	0.005 U	0.005 U	0.367	0.005 U	--	0.005 U	116	0.005 U	0.0695	0.0616	3.64	0.005 U	99.2	18.8	0.0002 U	0.0903	44.9
<b>09/14</b>	0.005 U	0.00502	0.366	0.005 U	--	0.005 U	109	0.005 U	0.0686	0.05	2 U	0.005 U	89.73	18	0.0002 U	0.0884	43
<b>03/15</b>	0.002 U	0.0083	0.35	0.002 U	--	0.00071 J	120	0.01 U	0.074	0.041	0.35	0.002 U	96	19	0.0002 U	0.1	51
<b>09/15</b>	0.001 U	0.012	0.35	0.001 U	--	0.0005 U	120	0.005 U	0.073	0.038	0.24	0.001 U	100	18	0.0002 U	0.091	51
<b>03/16</b>	0.005 U	0.005 U	0.407	0.005 U	--	0.005 U	--	0.005 U	0.0744	0.0448	--	0.005 U	--	17.3	0.0002 U	0.101	49.5
<b>08/16</b>	0.002 U	0.00459	0.375	0.002 U	--	0.002 U	100	0.00258	0.0677	0.0428	1.17	0.002 U	86.4	15.5	0.0002 U	0.0903	45.6
<b>03/17</b>	0.005 U	0.00595	0.378	0.005 U	--	0.005 U	118	0.005 U	0.0708	0.167	1.2	0.005 U	98.1	15.7	0.0002 U	0.102	52.6
<b>09/17</b>	0.005 U	0.005 U	0.374	0.005 U	--	0.005 U	104	0.005 U	0.0631	0.303	0.744	0.005 U	89.9	11.9	0.0002 U	0.0848	55.3
<b>04/18</b>	0.005 U	0.00606	0.352	0.005 U	--	0.005 U	88.2	0.005 U	0.0497	0.0299	0.291	0.005 U	77.8	14	0.0002 U	0.0768	51.1
<b>09/18</b>	0.002 U	0.00499	0.332	0.002 U	--	0.002 U	93.6	0.00631	0.0595	0.0249	0.155	0.002 U	82.9	10.2	0.0002 U	0.0875	58.4
<b>04/19</b>	0.001 U	0.001 U	0.258	0.001 U	--	0.001 U	69.1	0.00161	0.0605	0.0228	0.108	0.001 U	77.7	12.6	0.0001 U	0.0727	46.2
<b>08/19</b>	0.001 U	0.001 U	0.304	0.001 U	--	0.001 U	80.5	0.00236	0.061	0.0213	0.297	0.001 U	84.7	14.4	0.0001 U	0.0767	47.9
<b>03/20</b>	0.001 U	0.00108	0.331	0.001 U	--	0.001 U	89.3	0.00288	0.0609	0.0239	0.2	0.001 U	91.8	14.9	0.0001 U	0.081	51.4
<b>07/20</b>	0.001 U	0.00101	0.321	0.001 U	--	0.001 U	83	0.00339	0.0673	0.0212	0.442	0.001 U	91.1	13.9	0.0001 U	0.0789	50.9
<b>03/21</b>	0.001 U	0.00105	0.297	0.001 U	--	0.001 U	78.8	0.00221	0.0601	0.0395	0.458	0.001 U	80.8	12.3	0.0001 U	0.0724	45
<b>09/21</b>	0.001 U	0.00104	0.315	0.001 U	--	0.001 U	85	0.00344	0.0642	0.0661	0.908	0.00121	85.2	3.28	0.0001 U	0.0802	52.1
<b>03/22</b>	0.001 U	0.001 U	0.306	0.001 U	--	0.001 U	91.9	0.00219 J	0.0602	0.0281	0.253	0.001 U	81.2	11.8	0.0001 U	0.0721	51.3
<b>08/22</b>	0.00100 U	0.00131	0.337	0.00100 U	--	0.00100 U	98.3	0.00687 J	0.0676	0.0652	1.18	0.00130 J	90.7	14.1	0.000100 U	0.0887	54.1

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

	MCL	Selenium, Total (mg/L)	Silver, Total (mg/L)	Sodium, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>05/01</b>		0.005 U	0.0052 U	--	0.0009 U	0.002 U	--
<b>09/01</b>		0.0022	0.0044 U	--	0.001 U	0.0021	--
<b>03/02</b>		0.0155	0.0044 U	--	0.0009 U	0.0045	--
<b>09/02</b>		0.0661	0.0096 U	--	0.001 U	0.0098	--
<b>06/03</b>		0.0023	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>		0.002 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>03/04</b>		0.0026	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>		0.0071	0.0018 U	--	0.001 U	0.002 U	--
<b>04/05</b>		0.0092	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>		0.0093	0.0018 U	--	0.001	0.0047	--
<b>04/06</b>		0.0127	0.0004 U	--	0.0004 U	0.002 U	--
<b>09/06</b>		0.0185	--	--	0.0007 U	0.002 U	--
<b>04/07</b>		0.0179	0.0005 U	--	0.0007 U	0.003	0.021
<b>10/07</b>		0.036	0.005 U	--	0.02 U	0.1443	1.254
<b>03/08</b>		0.0186	0.0008 U	--	0.0006 U	0.002 U	0.0248
<b>09/08</b>		0.0152	0.0016 U	--	0.0012 U	0.0105	0.0424
<b>03/09</b>		0.0167	0.0043 U	--	0.0008 U	0.02 U	0.0776
<b>09/09</b>		0.0256	0.002 U	613	0.002 U	0.0104	0.0464
<b>07/10</b>		0.0005 J	0.001 U	--	0.0015	0.0081	0.039
<b>09/10</b>		0.0256	0.005 U	500	0.005 U	0.005 U	0.0224
<b>04/11</b>		0.0237	0.005 U	561	0.005 U	0.005 U	0.0135
<b>09/11</b>		0.0224	0.005 U	550	0.005 U	0.005 U	0.0127
<b>03/12</b>		0.017	0.005 U	532	0.005 U	0.005 U	0.013
<b>09/12</b>		0.0176	0.005 U	586	0.005 U	0.005 U	0.0129
<b>03/13</b>		0.0411	0.01 U	558	0.005 U	0.01 U	0.0206

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

	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	0.05			0.002		
<b>09/13</b>	0.0188	0.005 U	483	0.005 U	0.005 U	0.0196
<b>03/14</b>	0.0162	0.005 U	523	0.005 U	0.005 U	0.0231
<b>09/14</b>	0.0197	0.005 U	504	0.005 U	0.005 U	0.0194
<b>03/15</b>	0.021 J	0.01 U	490	0.002 U	0.01 U	0.011
<b>09/15</b>	0.032	0.001 U	510	0.001 U	0.005 U	0.011
<b>03/16</b>	0.0165	0.005 U	--	0.005 U	0.005 U	0.0119
<b>08/16</b>	0.0159	0.002 U	483	0.001 U	0.002 U	0.00739
<b>03/17</b>	0.0114	0.005 U	547	0.005 U	0.005 U	0.0118
<b>09/17</b>	0.0105	0.005 U	460	0.005 U	0.005 U	0.0329
<b>04/18</b>	0.00967	0.005 U	437	0.005 U	0.005 U	0.0232
<b>09/18</b>	0.0135	0.002 U	462	0.001 U	0.002 U	0.0127
<b>04/19</b>	0.001 U	0.001 U	493 B	0.001 J	0.001 U	0.00897
<b>08/19</b>	0.001 U	0.001 U	525	0.001 U	0.001 U	0.0104 B
<b>03/20</b>	0.001 U	0.001 U	495	0.001 U	0.001 U	0.00763
<b>07/20</b>	0.001 U	0.001 U	518	0.001 U	0.001 U	0.00801
<b>03/21</b>	0.001 U	0.001 U	453	0.001 U	0.001 U	0.0145
<b>09/21</b>	0.001 U	0.001 U	126	0.00165	0.00125	0.0142
<b>03/22</b>	0.001 U	0.001 U	481	0.001 U	0.001 U	0.00837 J
<b>08/22</b>	0.00100 U	0.00100 U	537	0.00151	0.00149 J	0.0163

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	5	5	2	2	4			5		80
05/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
10/03	0.18 U	0.15 U	1 U	0.22 U	0.19 U	1 U	0.21 U	1 U	0.2 U	1 U	0.17 U	0.21 U	1.05	0.62	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	1.72	1 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1.25	--	0.39 U	--	1 U	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	2.32	1.36	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	12 U	0.27 U	0.34 U	12 U	1.77	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1.84	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1.58	0.19 U	--	0.39 U	--	1 U	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	10 U	0.18 U	0.17 U	1.81	--	--	--	--	--	0.5 U	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.5 U	0.13 U	0.15 U	1.43	--	--	--	--	--	0.5 U	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.5 U	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.35 J	1 U	1 U	1 U	0.69 J	1 U	1 U	1 U	1 U	0.46 J	1 U	1 U
07/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.12 J	2 U	2 U	2 U	0.53 J	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
09/11	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/12	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 U	1.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/12	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/13	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/13	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 U	1.14	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1.27	5 U	5 U	5 U	5 U	5 U	1 U	-	1 U
09/14	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 U	1.55	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/15	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 U	1.3	5 U	5 U	5 U	8	5 U	1 U	1 U	1 U
09/15	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 U	1.62	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/16	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 U	1.37	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/16	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/17	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 U	1.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/17	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/18	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 U	1.01	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/18	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/19	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 U	1.1	5 U	5 U	5 U	7.2 B	5 U	1 U	1 U	1 U
08/19	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 U	1.4	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/20	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 U	1.3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
07/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	1.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	6.3	5 U	1 U	1 U	1 U
09/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	1.8	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

	MCL	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)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1.5	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80	100	5	100	80	80	70	70	80	700	10000	80	700	10000	80	5	10000	100	100	5	
05/01	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 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/01	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	1 U	1 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.54	0.27 U	0.21 U	1 U
03/02	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 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/02	0.14 U	0.15 U	1 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
06/03	0.14 U	0.15 U	2.07	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.32
10/03	0.14 U	1 U	2.13	0.15 U	1 U	0.2 U	0.23 U	1 U	0.22 U	0.19 U	--	0.17 U	1 U	1 U	1.05	--	0.22 U	0.21 U	1 U	1 U	1.83
03/04	0.14 U	1 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
09/04	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/05	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.31 U	0.27 U	0.25 U	1.34	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/05	0.27 U	0.31 U	0.75 U	0.25 U	1.31	0.31 U	0.27 U	0.25 U	2.27	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/06	0.27 U	0.31 U	0.75 U	0.25 U	1.54	0.31 U	0.27 U	0.25 U	1.28	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/06	0.27 U	1 U	0.75 U	0.25 U	1.65	0.31 U	0.27 U	1 U	2.3	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/07	0.27 U	0.31 U	0.75 U	0.25 U	1.74	0.31 U	0.27 U	0.25 U	2.14	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	0.27 U	0.31 U	0.75 U	0.25 U	2.43	0.31 U	0.27 U	0.25 U	2.5	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
03/08	0.12 U	0.5 U	--	0.13 U	1.65	0.1 U	0.21 U	0.15 U	1.75	0.13 U	--	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
09/08	0.16 U	0.12 U	--	0.14 U	1.41	0.13 U	0.12 U	0.2 U	1.46	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
03/09	0.16 U	0.12 U	--	0.14 U	2.08	0.13 U	0.12 U	0.2 U	1.54	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
09/09	1 U	1 U	2.5 U	1 U	2.27	1 U	1 U	1 U	1.38	1 U	--	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/10	5 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U
09/10	2 U	2 U	5 U	2 U	1.51 J	2 U	2 U	2 U	0.65 J	2 U	--	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	2 U	1 U	1 U	--	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

	MCL	80	80	5	100	80	80	70	80	700	10000	5	10000	100	5							
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/11		1U	1U	1U	1U	1U	1U	1U	1U	1U	--	1U	1U	--	1U	2U	1U	1U	--	1U	1U	1U
03/12		1U	1U	1U	1U	2.6	1U	1U	1U	0.79	1U	1U	1U	1U	--	1U	1U	1U	--	1U	1U	1U
09/12		1U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
03/13		1U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
09/13		1U	1U	5U	1U	2.14	1U	1U	1U	1.26	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
03/14		1U	1U	5U	1U	2.14	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
09/14		1U	1U	5U	1U	2.22	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
03/15		1U	1U	5U	1U	2.36	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
09/15		1U	1U	5U	1U	2.74	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
03/16		1U	1U	5U	1U	2.38	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
08/16		1U	1U	5U	1U	1.88	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
03/17		1U	1U	5U	1U	2.44	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
09/17		1U	1U	5U	1U	2.02	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
04/18		1U	1U	5U	1U	1.8	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
09/18		1U	1U	5U	1U	1.75	1U	1U	1U	1U	1U	1U	1U	2U	5U	5U	1U	1U	1U	1U	1U	1U
04/19		1U	1U	1U	1U	2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
08/19		1U	1U	1U	1U	2.3	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
03/20		1U	1U	1U	1U	2.4	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
07/20		1U	1U	1U	1U	2.7	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
03/21		1U	1U	1U	1U	2.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
09/21		1U	1U	1U	1U	3.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
<b>03/22</b>	80	1 U	1 U	1 U	1 U	2.7	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 U	1 U	1 U	1 U
<b>08/22</b>	80	1.0 U	1.0 U	1.0 U	1.0 U	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>05/01</b>	0.24 U--	0.22 U	0.13 U	1 U	0.19 U	0.18 U	--	--	--	--
<b>09/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--	--
<b>03/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--	--
<b>09/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--	--
<b>06/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--	--
<b>10/03</b>	0.24 U--	1 U	0.13 U	0.14 U	1 U	1 U	--	2.79	--	--
<b>03/04</b>	0.24 U--	0.22 U	0.13 U	1 U	0.19 U	0.18 U	--	0.1	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	2.98	--	--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	2.33	--	--
<b>04/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>09/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	1.11	--	--
<b>04/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>10/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>03/08</b>	0.28 U	0.04	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.12 U	0.04	0.14 U	0.13 U	--	0.13 U	0.1 U	--	0.8	--
<b>03/09</b>	0.12 U	0.02	0.14 U	0.13 U	--	0.5 U	0.1 U	--	0.18 U	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	--
<b>07/10</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

	MCL	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)
	1000	80	100				5			2	10000
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>08/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

	MCL	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)
	1000		80	100			5			2	10000
<b>03/22</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>05/01</b>	--	--	--	303.441	--	--	--	--	--	--	--	--	--	--	--	--	--	--	36	--
<b>09/02</b>	--	--	--	391.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24.3	--
<b>06/03</b>	--	--	--	180.625	--	--	--	--	--	--	0.0336	--	--	--	--	--	0.016	--	31.4	--
<b>10/03</b>	--	--	--	--	--	--	--	--	--	--	0.0208	--	--	--	--	--	0.01 U	--	--	--
<b>03/04</b>	--	--	--	--	--	--	--	--	--	--	0.0143	--	--	--	--	--	0.01 U	--	--	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.0948	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	0.03	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.032	--	--	--	--	--	0.058	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.018	--	--	--	--	--	0.049	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.019	--	--	--	--	--	0.071	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	0.03	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.03	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	--
<b>09/09</b>	810	12.4	173	328	--	900	0.2 U	--	--	--	--	--	--	346	--	1736	--	--	1215	--
<b>09/10</b>	600	5.02	207	334	--	950	0.2 U	--	--	--	--	--	--	309	--	1876	--	--	3430	--
<b>04/11</b>	728	25.1	92.4	219 J	--	576	0.99	--	--	--	--	--	--	139 J	--	1320	--	--	240	--
<b>09/11</b>	494	4.4	83.4	309	--	866	0.2 U	--	--	--	--	--	--	314	--	1872	--	--	--	--
<b>03/12</b>	51	16.3	140	356	--	960	0.2 U	--	--	--	--	--	--	312	--	1776	--	--	--	--
<b>09/12</b>	522	3.48	61.5	337	--	908	0.2 U	--	--	--	--	--	--	289	--	1628	--	--	--	--
<b>04/13</b>	770	13.1	93.4	334	0.06	924	0.2 U	200	6.61	--	--	2.96	--	240	13.76	1784	--	--	--	1721

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>09/13</b>	--	--	--	--	0.19	820	--	-60.3	6.62	--	--	2.219	--	--	17.68	--	--	--	120	6.49
<b>09/13</b>	--	--	--	--	1.5	920	--	69.2	6.18	--	--	2.116	--	--	13.51	--	--	--	1100	820
<b>09/13</b>	50	4.61	56.2	318	0.02	940	0.2 U	176	6.34	--	--	2224	--	299	17.12	1606	--	--	--	728
<b>03/14</b>	774	19.3	102	307	0.51	900	0.2 U	150	6.69	--	--	2477	--	267	13.19	1600	--	--	--	335
<b>09/14</b>	645	6.8	75.3	336	5.15	924	0.2 U	228	6.83	--	--	2473	--	287	15.74	1608	--	--	--	1070
<b>03/15</b>	1250	42.5	135	339	0	424	0.2 U	112	7.00	--	--	2920	--	137	12.19	1792	--	--	--	258.3
<b>09/15</b>	1100	29.1	121	320	1.07	860	0.269	77	6.68	--	--	2099	--	190	18.96	1747	--	--	--	39.8
<b>03/16</b>	1040	29.7	122	340	0	890	0.2 U	67	6.80	--	--	2888	--	189	14.56	1770	--	--	--	314.5
<b>08/16</b>	870	24	112	308	2.27	660	0.2 U	135	6.57	--	--	2561	--	208	19.52	1620	--	--	--	143
<b>03/17</b>	1420	43.3	148	346	--	550	0.2 U	93	6.96	--	--	3147	--	134	12.56	1960	--	--	--	44.4
<b>09/17</b>	877	18.9	90.8	305	0.52	400	0.2 U	163	6.54	--	--	2879	--	267	18	1660	--	--	--	13.5
<b>03/18</b>	1360	52.5	224	302	--	410	0.2 U	-97	7.14	--	--	3078	--	60.7	11.35	1770	--	--	--	60.8
<b>09/18</b>	820	17.1	87.4	313	--	832	0.2 U	-8	6.41	--	--	2710	--	240	18.72	1600	--	--	--	8.9
<b>04/19</b>	1270	43.8	131	224	-0.02	821	0.7	-106.1	6.90	6.97	--	3590	2950	150	13.3	1730	--	50.3	204	19.5
<b>08/19</b>	675	6.34	77.2	317	0.05	846	1	-11.9	6.05	6.53	--	2.42	2420	267	16.6	1630	--	163	113	79
<b>03/20</b>	1260	41.8	137	140	0.69	1090	1.43	-81.1	6.79	6.79	--	2923	3130	114	13.3	1830	--	55.4	266	8.9
<b>07/20</b>	929	28.7	110	288	0.43	879	0.2 U	-17.4	6.46	6.55	--	2917	2860	191	22.8	1680	--	31.9	145	34.5
<b>03/21</b>	1500	55.3	150	265	0.13	823	0	-133.1	7.02	6.99	--	3455	3100	65.8	13.8	1860	--	131	298	68.9
<b>08/21</b>	851	15.9	92.2	286	0.44	966	0.011 U	-17.1	6.37	6.47	--	2735	2630	0.3 U	24.1	1600	--	128	64.9	17
<b>04/22</b>	1450	0.6 J	162	270	0.94	925	0.011 U	-111.7	6.98	7.00	--	2935	3416	42.4	11.8	1870	--	91.4	227	41.9
<b>08/22</b>	928	20.2	96.4	279	0.13	953	0.031	-20.6	6.25	6.54	--	2621	2690	212	20.8	1610	--	114	93.6	47.30

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
05/01	0.0007 U	0.0027	0.1043	0.0005 U	--	0.002 U	--	0.0035	0.0061	0.0319	--	0.0031	--	1.268	0.0001 U	0.0096
09/02	0.002 U	0.0184	0.1957	0.002 U	--	0.002 U	--	0.0068	0.0095	0.0177	--	0.0039	--	2.301	0.0001 U	0.0185
06/03	0.0007 U	0.002	0.0954	0.0004 U	--	0.002 U	--	0.0042	0.0064	0.019	--	0.0054	--	0.8784	0.0002 U	0.014
10/03	0.0009 U	0.002 U	0.1666	0.0016 U	--	0.0007 U	--	0.0025	0.0051	0.0416	--	0.002 U	--	1.85	0.0002 U	0.0092
03/04	0.0009 U	0.005	0.2607	0.0016 U	--	0.0007 U	--	0.0028	0.0173	0.01 U	--	0.0024	--	2.046	0.0002 U	0.0137
09/04	0.0028 U	0.002 U	0.1224	0.0012 U	--	0.002 U	--	0.0026	0.0045	0.013	--	0.002	--	1.112	0.0001 U	0.0088
04/05	0.0028 U	0.007	0.512	0.0012 U	--	0.002	--	0.0051	0.0146	0.0156	--	0.002 U	--	2.1005	0.0001 U	0.0145
09/05	0.0028 U	0.0023	0.2067	0.0012 U	--	0.002	--	0.0027	0.007	0.0654	--	0.0033	--	2.237	0.0001 U	0.0141
04/06	0.0006 U	0.0058	0.2254	0.0007 U	--	0.0079	--	0.0028	0.0077	0.0148	--	0.0033	--	0.002 U	0.0001 U	0.0111
09/06	0.0007 U	0.0027	0.208	0.0009 U	--	0.0125	--	0.0024	0.0054	0.0103	--	0.002 U	--	1.481	--	0.0103
04/07	0.0007 U	0.0041	0.2161	0.0009 U	2.4691	--	--	0.002 U	0.0073	0.0094	--	0.002 U	--	--	0.0002 U	0.0091
10/07	0.002 U	0.0057	0.166	0.0009 U	1.5406	--	--	0.0057	0.0116	0.0217	--	0.0033	--	--	0.0004	0.02
03/08	0.0005 U	0.0064	0.256	0.001 U	1.1508	--	--	0.0044	0.012	0.0184	--	0.0021	--	--	0.0002 U	0.0142
09/08	0.001 U	0.0044	0.1682	0.002 U	4 U	--	--	0.004 U	0.0077	0.012	--	0.004 U	--	--	0.0002 U	0.0143
03/09	0.001 U	0.01 U	0.466	0.0012 U	4.152	--	--	0.01 U	0.0108	0.0134	--	0.0007 U	--	--	0.0002 U	0.0116
09/09	0.002 U	0.012	0.304	0.0026	--	0.0047	156	0.0717	0.101	0.112	85.3	0.0268	129	3.58	0.0038	0.174
07/10	0.001 U	0.0052	0.2	0.0014	--	0.001 U	--	0.072	0.046	0.043	--	0.0088	--	--	0.0013	0.11
09/10	0.005 U	0.0109	0.258	0.005 U	--	0.005 U	165	0.0808	0.196	0.173	110	0.0332	132	3.76	0.00307	0.228
04/11	0.005 U	0.005 U	0.218	0.005 U	--	0.005 U	92.2	0.0106	0.0202	0.0277	17.1 J	0.005 U	96.5	1.68	0.00026	0.0258
09/11	0.005 U	0.005 U	0.157	0.005 U	--	0.005 U	170	0.0184	0.0345	0.0237	19.96	0.015	132	2.66	0.00101	--
03/12	0.005 U	0.0147	0.601	0.0112	--	0.0109	160	0.166	0.2	0.293	253	0.0726	168	6.03	0.00645	0.026
09/12	0.005 U	0.009	0.138	0.005 U	--	0.005 U	167	0.0236	0.0316	0.0417	26.7	0.0155	116	3.07	0.00173	0.0364
04/13	0.005 U	0.00942	0.233	0.005 U	--	0.005 U	168	0.0434	0.054	0.0906	50.7	0.0164	139	4.65	0.000842	0.0364
09/13	0.005 U	0.0018	0.26	0.001 U	--	0.001 U	130	0.0016	0.0064	0.0013	11	0.001 U	120	2.1	0.0002 U	--
09/13	0.005 U	0.0078	0.19	0.0033	--	0.0015	170	0.037	0.048	0.058	41	0.042	120	3.1	0.0014	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)	Nickel, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002	
<b>09/13</b>	0.005 U	0.00577	0.144	0.005 U	--	0.005 U	169	0.0235	0.0306	0.0415	24.7	0.0104	127	3.53	0.000956	0.0306
<b>03/14</b>	0.005 U	0.005 U	0.277	0.005 U	--	0.005 U	147	0.0213	0.0214	0.0321	27.2	0.00748	128	1.91	0.00061	0.0508
<b>09/14</b>	0.005 U	0.005 U	0.337	0.005 U	--	0.005 U	166	0.0574	0.0436	0.0958	75.4	0.028	137	5.17	0.004373	0.0915
<b>03/15</b>	0.002 U	0.007	0.39	0.002 U	--	0.004 U	140	0.0087 J	0.019	0.021	27	0.0037	150	3.1	0.00032	0.0037 J
<b>09/15</b>	0.001 U	0.0061	0.28	0.001 U	--	0.0005 U	150	0.005 U	0.011	0.005 U	14	0.001 U	130	4.7	0.0002 U	0.01 J
<b>03/16</b>	0.005 U	0.005 U	0.381	0.005 U	--	0.005 U	--	0.005 U	0.0129	0.015	--	0.005 U	--	3.54	0.0002 U	0.0211
<b>08/16</b>	0.002 U	0.0035	0.245	0.002 U	--	0.002 U	136	0.00646	0.0105	0.0159	13.1	0.00345	115	2.76	0.0002 U	0.0252
<b>03/17</b>	0.005 U	0.005 U	0.452	0.005 U	--	0.005 U	143	0.005 U	0.00883	0.0102	19.6	0.005 U	144	2.74	0.0002 U	0.0157
<b>09/17</b>	0.005 U	0.005 U	0.226	0.005 U	--	0.005 U	154	0.005 U	0.00787	0.00742	9.55	0.005 U	126	3.46	0.0002 U	0.0222
<b>03/18</b>	0.005 U	0.00748	0.582	0.005 U	--	0.005 U	110	0.005 U	0.00696	0.00926	19.6	0.005 U	135	1.41	0.0002 U	0.0129
<b>09/18</b>	0.005 U	0.00546	0.23	0.005 U	--	0.005 U	142	0.005 U	0.00727	0.005 U	6.67	0.005 U	116	3.44	0.0002 U	0.0216
<b>04/19</b>	0.001 U	0.00271	0.566	0.001 U	--	0.001 U	115	0.00207	0.0066	0.00202	21.4	0.001 U	138	1.9	0.0001 U	0.0108
<b>08/19</b>	0.001 U	0.00309	0.134	0.001 U	--	0.001 U	139	0.00959	0.0126	0.0141	14.4	0.00339	121	5.52	0.000315	0.0381
<b>03/20</b>	0.001 U	0.00264	0.57	0.001 U	--	0.001 U	139	0.00411	0.00755	0.00118	22.5	0.001 U	180	2.51	0.0001 U	0.015
<b>07/20</b>	0.001 U	0.00312	0.364	0.001 U	--	0.001 U	128	0.00238	0.0062	0.0154	13.7	0.001 U	136	2.29	0.0001 U	0.0181
<b>03/21</b>	0.001 U	0.00385	0.582	0.001 U	--	0.001 U	103	0.004	0.00856	0.00697 B	26.7	0.00121	137	1.81	0.000113	0.0119
<b>08/21</b>	0.001 U	0.00175	0.19	0.001 U	--	0.001 U	152	0.00349	0.00982	0.00372	7.87	0.001 U	143	5.45	0.0001 U	0.0274
<b>04/22</b>	0.001 U	0.0033	0.634	0.001 U	--	0.001 U	126	0.00261 J	0.00694 J	0.00397 J	23.3	0.001 U	149	1.67	0.0001 U	0.0118
<b>08/22</b>	0.00100 U	0.00287	0.27	0.00100 U	--	0.00100 U	156	0.00476 J	0.00941 J	0.00620 J	13	0.00134 J	137	3.37	0.000110	0.0249

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

	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	0.05				0.002		
05/01	--	0.006	0.0052 U	--	0.0009 U	0.0034	--
09/02	--	0.0462	0.0262	--	0.001	0.0003 U	--
06/03	--	0.0026	0.0096 U	--	0.001 U	0.0071	--
10/03	--	0.0051	0.0022 U	--	0.0004 U	0.0034	--
03/04	--	0.0049	0.0022 U	--	0.0004 U	0.0038	--
09/04	--	0.0036	0.0018 U	--	0.0006 U	0.0032	--
04/05	--	0.007	0.0018 U	--	0.0006 U	0.006	--
09/05	--	0.0044	0.0018 U	--	0.0006 U	0.0037	--
04/06	--	0.0135	0.0004 U	--	0.0004 U	0.0023	--
09/06	--	0.004	0.0005 U	--	0.0007 U	0.002 U	--
04/07	--	0.0087	0.0005 U	--	0.0007 U	0.002 U	0.0175
10/07	--	0.012	0.0005 U	--	0.0007 U	0.0077	0.0799
03/08	--	0.0119	0.0008 U	--	0.0006 U	0.0042	0.1131
09/08	--	0.01	0.0016 U	--	0.0012 U	0.004 U	0.0352
03/09	--	0.013	0.0043 U	--	0.0008 U	0.01 U	0.0501
09/09	35.7	0.0193	0.002 U	286	0.002 U	0.0789	0.556
07/10	--	0.0007 J	0.001 U	--	0.001 U	0.034	0.17
09/10	19.3	0.0214	0.005 U	174	0.005 U	0.136	0.765
04/11	61.3	0.0102	0.005 U	202	0.005 U	0.0194	0.153
09/11	15	0.00977	0.005 U	183.57	0.005 U	0.0331	0.15
03/12	58.6	0.0198	0.005 U	226	0.005 U	0.363	0.975
09/12	12.9	0.0225	0.005 U	167	0.005 U	0.0492	0.252
04/13	33.3	0.0276	0.005 U	279	0.005 U	0.0811	0.263
09/13	70	0.001 U	0.001 U	280	0.001 U	0.005 U	2 U
09/13	12	0.00069 J	0.001 U	150	0.001 U	0.092	0.49

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

	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	15.4	0.05			0.002		
<b>09/13</b>	15.4	0.0157	0.005 U	184	0.005 U	0.0362	0.157
<b>03/14</b>	51.5	0.0169	0.005 U	224	0.005 U	0.0307	0.18
<b>09/14</b>	23.4	0.0144	0.005 U	207.9	0.005 U	0.0896	0.391
<b>03/15</b>	89	0.013 J	0.01 U	320	0.002 U	0.016	0.076
<b>09/15</b>	65	0.016	0.001 U	300	0.001 U	0.005 U	0.085
<b>03/16</b>	69.3	0.0111	0.005 U	--	0.005 U	0.005 U	0.0379
<b>08/16</b>	51.4	0.00957	0.002 U	233	0.001 U	0.00977	0.0599
<b>03/17</b>	86.3	0.0115	0.005 U	346	0.005 U	0.005 U	0.022
<b>09/17</b>	44.6	0.0079	0.005 U	245	0.005 U	0.005 U	0.0409
<b>03/18</b>	112	0.005 U	0.005 U	337	0.005 U	0.005 U	0.0519
<b>09/18</b>	43.5	0.0158	0.005 U	220	0.005 U	0.005 U	0.0191
<b>04/19</b>	85.7	0.001 U	0.001 U	253	0.001 U	0.0013	0.0261 B
<b>08/19</b>	15.8	0.00138	0.001 U	194	0.001 U	0.0115	0.0878 B
<b>03/20</b>	89.9	0.001 U	0.001 U	360	0.001 U	0.00203	0.0167
<b>07/20</b>	65.5	0.001 U	0.001 U	253	0.001 U	0.00131	0.0423
<b>03/21</b>	93.5	0.00127	0.001 U	307	0.001 U	0.00497	0.138
<b>08/21</b>	34.5	0.001 U	0.001 U	238	0.001 U	0.00364	0.05
<b>04/22</b>	111	0.001 U	0.001 U	334	0.001 U	0.00195 J	0.0643
<b>08/22</b>	45.7	0.00100 U	0.00100 U	233	0.00100 U	0.00500 J	0.0742

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	75									
<b>05/01</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	1 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	1 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>09/02</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>06/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>10/03</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	1 U	0.17 U	0.21 U	1 U	1.35	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
<b>03/04</b>	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U	0.18 U
<b>09/04</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1.3	--	0.39 U	--	1 U	0.34 U	0.31 U
<b>04/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>09/05</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>04/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>09/06</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>04/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>10/07</b>	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
<b>03/08</b>	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U
<b>09/08</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	1.46	--	--	--	--	--	0.5 U	0.14 U	0.11 U
<b>03/09</b>	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
<b>09/09</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.23 J	3.38	1 U	1 U	1 U	1.27	1 U	1 U	1 U	1 U
<b>07/10</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	3	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.55 J	3.32	2 U	2 U	2 U	31.1	2 U	0.9 J	2 U	2 U
<b>04/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>09/11</b>	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
09/12	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 U	4.51	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/13	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 U	7.03	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/13	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	3.66	5 U	5 U	5 U	5 U	5 U	1 U	--	1 U
09/14	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 U	4.22	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/15	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 U	1.78	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/15	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 U	2.37	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/16	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 U	3.05	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/16	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 U	1.88	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/17	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 U	2.87	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/17	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 U	3.52	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/18	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/18	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 U	2.61	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/19	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 U	1 U	5 U	5 U	5 U	9.4 B	5 U	1 U	1 U	1 U
08/19	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 U	3.7	5 U	5 U	5 U	6.9	5 U	1 U	1 U	1 U
03/20	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 U	1.2	5 U	5 U	5 U	5.1	5 U	1 U	1 U	1 U
07/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	2.7	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	3	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/22	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/22	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	3.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
80	80	100	5	100	80	80	70	80	700	10000	5	10000	100	5	1000	5	10000	100	5	1000	
<b>05/01</b>	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 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>09/02</b>	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>06/03</b>	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 U	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>10/03</b>	0.14 U	0.15 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>03/04</b>	0.14 U	0.15 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	1 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>09/04</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	3.19	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>04/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>09/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	3.71	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>09/06</b>	0.27 U	0.31 U	2.5 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	2 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>10/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	8.03	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U	0.32 U
<b>03/08</b>	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.5 U	0.25 U	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U	0.28 U
<b>09/08</b>	0.16 U	0.5 U	--	0.14 U	0.5 U	0.13 U	0.12 U	0.2 U	7.14	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
<b>03/09</b>	0.16 U	0.5 U	--	0.14 U	0.5 U	0.13 U	0.12 U	0.2 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
<b>09/09</b>	1 U	1 U	2.5 U	1 U	0.6 J	1 U	1 U	1 U	11.1	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/10</b>	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	5 U	2 U	0.55 J	0.89 J	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	0.77 J	2 U	2 U	2 U	2 U
<b>04/11</b>	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 U	2 U	1 U	1 U	--	1 U	1 U	1 U
<b>09/11</b>	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 U	2 U	1 U	1 U	--	1 U	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

	MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
	80			5	100			80		70		80	700	10000				5	10000	100	5	1000
09/12	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	15	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13	1 U	1 U	5 U	1 U	1.24	1 U	1 U	1 U	1 U	24.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/13	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	11.4	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/14	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	11.6	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3.17	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/15	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5.54	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	7.11	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/16	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	6.64	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/17	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3.99	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/17	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	6.77	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/18	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/18	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5.77	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	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
07/20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/22	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

	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	80	100			5			2	10000
<b>05/01</b>	--	0.22 U	0.13 U	1 U	0.19 U	0.18 U	--	--	--
<b>09/02</b>	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
<b>06/03</b>	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
<b>10/03</b>	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	0.51	--
<b>03/04</b>	--	0.22 U	0.13 U	1 U	1 U	0.18 U	--	0.04	--
<b>09/04</b>	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	1.01	--
<b>04/05</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/05</b>	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	1.31	--
<b>04/06</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/06</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/07</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>10/07</b>	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	2.04	--
<b>03/08</b>	0.04	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.06	0.14 U	0.13 U	--	0.69	0.1 U	--	0.18 U	--
<b>03/09</b>	0.02	0.14 U	0.13 U	--	0.13 U	0.1 U	--	0.18 U	--
<b>09/09</b>	--	1 U	1 U	1 U	1.25	1 U	--	1.51	--
<b>07/10</b>	--	1 U	1 U	5 U	1	1 U	1 U	1 U	--
<b>09/10</b>	--	2 U	2 U	2 U	1.38 J	2 U	2 U	3.03	--
<b>04/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	--	1 U	1 U	5 U	2.1	1 U	1 U	1 U	1 U
<b>03/12</b>	--	1 U	1 U	5 U	1.4	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

	MCL	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)
	80	100				5			2	10000
<b>09/12</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/13</b>	--	1 U	1 U	5 U	2.96	1 U	5 U	1.66	1 U	1 U
<b>09/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/14</b>	--	1 U	1 U	5 U	1.47	1 U	5 U	1 U	1 U	1 U
<b>09/14</b>	--	1 U	1 U	5 U	1.46	1 U	5 U	1 U	1 U	1 U
<b>03/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>08/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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																				
05/01	--	--	--	82.1356	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--
03/04	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
09/04	--	--	--	--	--	--	--	--	--	--	0.0174	--	--	--	--	--	0.01 U	--	--	--
04/05	--	--	--	--	--	--	--	--	--	--	0.0105	--	--	--	--	--	0.01 U	--	--	--
09/05	--	--	--	--	--	--	--	--	--	--	0.0155	--	--	--	--	--	0.035	--	--	--
04/06	--	--	--	--	--	--	--	--	--	--	0.017	--	--	--	--	--	0.012	--	--	--
09/06	--	--	--	--	--	--	--	--	--	--	0.018	--	--	--	--	--	--	--	--	--
04/07	--	--	--	--	--	--	--	--	--	--	0.018	--	--	--	--	--	0.01 U	--	--	--
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	--
09/09	80	0.2 U	7.5 J	58.2	--	160	1.465	--	--	--	--	--	--	20.7	--	280	--	--	3.04	--
09/10	79	0.2 U	6.7 J	67.7	--	160	1.3876	--	--	--	--	--	--	25.5	--	404	--	--	6.06	--
04/11	98	0.2 U	24.8	38.1	--	95	0.401	--	--	--	--	--	--	7.19	--	204	--	--	25.6	--
09/11	31	0.2 U	14.1	5.32	--	29	0.2 U	--	--	--	--	--	--	4.42	--	1276	--	--	--	--
03/12	99	0.2 U	22.8	157	--	122	0.799	--	--	--	--	--	--	8.46	--	392	--	--	--	--
09/12	38	0.2 U	14.5	13.1	--	48	0.2 U	--	--	--	--	--	--	4 U	--	100	--	--	--	--
03/13	68	0.2 U	10 U	75.3	11.65	124	1.66	--	6.46	--	--	526.3	--	12.6	5.78	222	--	--	--	--
09/13	29	0.2 U	10 U	10.2	7.82	36	0.2 U	284	6.83	--	--	93.3	--	4 U	19	6	--	--	--	6.2
03/14	180	0.895	36.2	1090	9.99	252	1.6949	401	6.64	--	--	3441	--	25.3	9.37	2028	--	--	--	16.4
09/14	52	0.2 U	10 U	30.7	5.34	74	0.2 U	--	6.61	--	--	200	--	4.59	20.92	134	--	--	--	--
03/15	154	0.233	35.5	806	14.5	246	1.14	369	8.01	--	--	2406	--	20.9	8.54	1468	--	--	--	15.9

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>03/16</b>	136	0.2 U	17.6	397	9.7	244	0.5244	--	6.83	--	--	1331	--	19.6	12.95	823	--	--	--	3.9
<b>08/16</b>	100	0.482	12.7	80.9	3.47	140	0.2 U	135	6.71	--	--	367	--	4 U	23.78	197	--	--	--	3.8
<b>03/17</b>	59	0.2 U	14.3	240	9.5	124	1.07	194	6.99	--	--	791.8	--	9.19	11.93	482	--	--	--	7
<b>09/17</b>	83	0.2 U	11.4	62.4	4.73	108	0.2 U	231	6.93	--	--	290.1	--	4.94	20.6	199	--	--	--	0
<b>04/18</b>	104	0.2 U	26.4	1040	8.17	197	0.22	138	6.68	--	--	2984	--	16.4	10.59	1850	--	--	--	5.1
<b>09/18</b>	76.1	0.2 U	10 U	9.11	6.58	81	1.2	201	6.96	--	--	201	--	50.3	19.99	174	--	--	--	7.8
<b>04/19</b>	78.7	0.1 U	17.3	142	10.08	159 B	1.4	145.3	7.25	7.30	--	752	627	15.7	19.9	380	--	4.8	4.74	130
<b>08/19</b>	74.5	0.1 U	3 U	108	7.96	160	1.7	110.8	8.36	7.41	--	0.532	523	18.5	24.2	338	--	2.5 U	1.21	0
<b>03/20</b>	65.6	0.1 J	4.3	90.9	11.21	150	1.81	145.6	8.67	7.61	--	410.1	472	13.5	10.7	275	--	2.7 U	4.28	0.5
<b>08/20</b>	74.6	0.1 U	16.6	94.3	7.08	158	1.33	26.8	7.33	7.14	--	480.3	504	13.2	22.2	310	--	4.7	2.5	9.1
<b>03/21</b>	64	0.1 U	10.6	114	11.95	97.5	0.939	129.7	7.93	7.59	--	454.9	527	12.7	13.4	280	--	4.4	5.32	10.02
<b>09/21</b>	106	0.05 U	24.5	79.2	8.71	170	1.46	137.1	8.00	7.54	--	450.2	499	21.6	17	330 B	--	2.9 U	3.93	5.3
<b>03/22</b>	67.3	0.08 J	3 U	105	8.71	143	1.56	137.1	8.00	7.35	--	450.2	517.2	12.4	17	275	--	13.6	4.3	5.3
<b>08/22</b>	79.1	0.03 J	13.3	104	7.90	152	1.14	166.1	7.05	7.45	--	533.0	528	15.4	22.7	288	--	4.1	2.42	3.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>05/01</b>	0.0007 U	0.002 U	0.0278	0.0005 U	--	0.0006 U	--	0.002 U	0.0007 U	0.0169	--	0.0013 U	--	0.1065	0.0001 U
<b>03/04</b>	0.0009 U	0.0008 U	0.0449	0.0016 U	--	0.0007 U	--	0.002 U	0.002 U	0.0149	--	0.002 U	--	0.2846	0.0002 U
<b>09/04</b>	0.0028 U	0.0006 U	0.047	0.0012 U	--	0.0003 U	--	0.002 U	0.002 U	0.0104	--	0.002 U	--	0.1448	0.0001 U
<b>04/05</b>	0.0028 U	0.0006 U	0.0451	0.0012 U	--	0.0003 U	--	0.002 U	0.002 U	0.0159	--	0.002 U	--	0.1394	0.0001 U
<b>09/05</b>	0.0028 U	0.0006 U	0.0511	0.0012 U	--	0.002 U	--	0.0007 U	0.0005 U	0.01	--	0.002 U	--	0.1185	0.0001 U
<b>04/06</b>	0.0006 U	0.0006 U	0.0468	0.0007 U	--	0.0004 U	--	0.002 U	0.002 U	0.0074	--	0.002 U	--	0.1826	0.0001 U
<b>09/06</b>	0.0007 U	0.0008 U	0.0502	0.0009 U	--	0.0006 U	--	0.002 U	0.0005 U	0.0055	--	0.0007 U	--	0.1261	0.0002 U
<b>04/07</b>	0.0007 U	0.0008 U	0.0481	0.0009 U	0.0835	--	--	0.0007 U	0.002 U	0.0059	--	0.0007 U	--	--	0.0002 U
<b>10/07</b>	0.002 U	0.0008 U	0.0545	0.0009 U	0.0827	--	--	0.002 U	0.002 U	0.0076	--	0.002 U	--	--	0.0002 U
<b>03/08</b>	0.0005 U	0.0006 U	0.0454	0.001 U	0.0766	--	--	0.002 U	0.002 U	0.005	--	0.002 U	--	--	0.0002 U
<b>03/09</b>	0.002 U	0.002 U	0.0786	0.001 U	0.0724	--	--	0.0041	0.0027	0.0139	--	0.0032	--	--	0.0002 U
<b>09/09</b>	0.002 U	0.002 U	0.0588	0.002 U	--	0.002 U	33.4	0.002 U	0.0005 J	0.0058	0.372	0.002 U	13.7	0.101	0.0002 U
<b>08/10</b>	0.001 U	0.0008 J	0.06	0.001 U	--	0.001 U	--	0.0007 J	0.0008 J	0.0023	--	0.001 U	--	--	0.0002 U
<b>09/10</b>	0.005 U	0.005 U	0.0681	0.005 U	--	0.005 U	32.5	0.005 U	0.005 U	0.0077	0.701	0.005 U	15	0.19	0.0002 U
<b>04/11</b>	0.005 U	0.005 U	0.029	0.005 U	--	0.005 U	27.4 J	0.005 U	0.005 U	0.0062	0.863	0.005 U	8.5	0.109	0.0002 U
<b>09/11</b>	0.005 U	0.005 U	0.0197	0.005 U	--	0.005 U	10.3	0.005 U	0.005 U	0.005 U	0.5 U	0.005 U	2.23	0.0434	0.0002 U
<b>03/12</b>	0.005 U	0.005 U	0.0367	0.005 U	--	0.005 U	31.2	0.005 U	0.005 U	0.00811	0.846	0.005 U	12	0.245	0.0002 U
<b>09/12</b>	0.005 U	0.005 U	0.0197	0.005 U	--	0.005 U	14.4	0.005 U	0.005 U	0.005 U	0.68	0.005 U	3.73	0.0766	0.0002 U
<b>03/13</b>	0.005 U	0.005 U	0.063	0.005 U	--	0.005 U	31.1	0.005 U	0.005 U	0.00576	0.454	0.005 U	16	0.155	0.0002 U
<b>09/13</b>	0.005 U	0.005 U	0.0165	0.005 U	--	0.005 U	11.4	0.005 U	0.005 U	0.005 U	0.345	0.005 U	3.01	0.0382	0.0002 U
<b>03/14</b>	0.005 U	0.005 U	0.0888	0.005 U	--	0.005 U	61.7	0.005 U	0.005 U	0.00886	0.2 U	0.005 U	20.3	0.329	0.0002 U
<b>09/14</b>	0.005 U	0.005 U	0.0288	0.005 U	--	0.005 U	20.1	0.005 U	0.005 U	0.005 U	0.62	0.005 U	5.93	0.201	0.0002 U
<b>03/15</b>	0.002 U	0.002 U	0.063	0.002 U	--	0.004 U	70	0.01 U	0.01 U	0.0062 J	0.44	0.002 U	19	0.25	0.0002 U
<b>03/16</b>	0.005 U	0.005 U	0.0948	0.005 U	--	0.005 U	60.3	0.005 U	0.005 U	0.00563	0.825	0.005 U	26.2	0.482	0.0002 U
<b>08/16</b>	0.005 U	0.005 U	0.0409	0.005 U	--	0.005 U	29.5	0.005 U	0.005 U	0.005 U	2.17	0.005 U	11.3	0.738	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>03/17</b>	0.005 U	0.005 U	0.044	0.005 U	--	0.005 U	28.9	0.005 U	0.005 U	0.027	0.686	0.005 U	7.79	0.117	0.0002 U
<b>09/17</b>	0.005 U	0.005 U	0.0422	0.005 U	--	0.005 U	26.8	0.005 U	0.005 U	0.005 U	1.45	0.005 U	10.3	0.452	0.0002 U
<b>04/18</b>	0.005 U	0.005 U	0.0981	0.005 U	--	0.005 U	54.9	0.005 U	0.005 U	0.005 U	0.786	0.005 U	14.5	0.307	0.0002 U
<b>09/18</b>	0.005 U	0.005 U	0.0535	0.005 U	--	0.005 U	10.3	0.005 U	0.005 U	0.00696	3.54	0.005 U	13.4	0.0641	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.0692	0.001 U	--	0.001 U	30	0.001 U	0.0013	0.00224	0.356	0.001 U	20.4	0.254	0.0001 U
<b>08/19</b>	0.001 U	0.001 U	0.0717	0.001 U	--	0.001 U	33.1	0.001 U	0.001 U	0.001 U	0.165	0.001 U	18.8	0.112	0.0001 U
<b>03/20</b>	0.001 U	0.001 U	0.0847	0.001 U	--	0.001 U	28.6	0.001 U	0.00111	0.001 U	0.364	0.001 U	19.1	0.155	0.0001 U
<b>08/20</b>	0.001 U	0.001 U	0.0768	0.001 U	--	0.001 U	32.4	0.001 U	0.001 U	0.00101	0.306	0.001 U	18.8	0.186	0.0001 U
<b>03/21</b>	0.001 U	0.001 U	0.0442	0.001 U	--	0.001 U	20.8	0.00101	0.001 J	0.00294	0.429	0.001 U	11	0.129	0.0001 U
<b>09/21</b>	0.001 U	0.001 U	0.0617	0.001 U	--	0.001 U	31.3	0.001 U	0.001 U	0.00154	0.228	0.001 U	22.2	0.0878	0.0001 U
<b>03/22</b>	0.001 U	0.001 U	0.0689	0.001 U	--	0.001 U	30.2	0.001 U	0.00146 J	0.00182 J	0.428	0.001 U	16.4	0.176	0.0001 U
<b>08/22</b>	0.00100 U	0.00100 U	0.0709	0.00100 U	--	0.00100 U	34.1	0.00100 U	0.00100 U	0.00120 J	0.252	0.00100 U	16.3	0.121	0.000100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

	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			0.05			0.002		
<b>05/01</b>	0.005	--	0.0018 U	0.0052 U	--	0.0009 U	0.002 U	--
<b>03/04</b>	0.0091	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	0.006	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	0.009	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	0.0047	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/06</b>	0.0091	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	0.0043	--	0.0008 U	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	0.0087	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0246
<b>10/07</b>	0.0069	--	0.0008 U	0.0005 U	--	0.0007 U	0.002 U	0.0187
<b>03/08</b>	0.0097	--	0.002 U	0.0001 U	--	0.0001 U	0.002 U	0.0296
<b>03/09</b>	0.0172	--	0.0009 U	0.0008 U	--	0.0006 U	0.0027	0.0536
<b>09/09</b>	0.0083	2.59	0.002 U	0.002 U	24.5	0.002 U	0.0003 J	0.0202
<b>08/10</b>	0.0065	--	0.001 U	0.001 U	--	0.0005 J	0.005 U	0.023
<b>09/10</b>	0.0078	2.58	0.005 U	0.005 U	24.8	0.005 U	0.005 U	0.0174
<b>04/11</b>	0.0052	3.48	0.005 U	0.005 U	28 J	0.005 U	0.005 U	0.0131
<b>09/11</b>	--	2.15	0.005 U	0.005 U	4.33	0.005 U	0.005 U	0.0103
<b>03/12</b>	--	4.16	0.005 U	0.005 U	108	0.005 U	0.005 U	0.0155
<b>09/12</b>	--	1.48	0.005 U	0.005 U	7.36	0.005 U	0.005 U	0.0065
<b>03/13</b>	--	2.11	0.005 U	0.005 U	29.1	0.005 U	0.005 U	0.0207
<b>09/13</b>	--	1.14	0.005 U	0.005 U	7.17	0.005 U	0.005 U	0.00503
<b>03/14</b>	0.0119	6.83	0.005 U	0.005 U	607	0.005 U	0.005 U	0.0167
<b>09/14</b>	0.005 U	1.63	0.005 U	0.005 U	12.3	0.005 U	0.005 U	0.00583
<b>03/15</b>	0.013	7.7	0.035 U	0.01 U	450	0.002 U	0.01 U	0.019
<b>03/16</b>	0.0129	4.78	0.005 U	0.005 U	233	0.005 U	0.005 U	0.0104
<b>08/16</b>	0.005 U	1.78	0.005 U	0.005 U	25.5	0.005 U	0.005 U	0.00564

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

	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			0.05			0.002		
<b>03/17</b>	0.00641	2.63	0.005 U	0.005 U	143	0.005 U	0.005 U	0.00578
<b>09/17</b>	0.00567	1.71	0.005 U	0.005 U	18.8	0.005 U	0.005 U	0.0289
<b>04/18</b>	0.00908	4.56	0.005 U	0.005 U	566	0.005 U	0.005 U	0.0203
<b>09/18</b>	0.005 U	1.67	0.005 U	0.005 U	35.3	0.005 U	0.005 U	0.0205
<b>04/19</b>	0.00746	2.34	0.001 U	0.001 U	55.7	0.001 U	0.001 U	0.0107
<b>08/19</b>	0.00428	2.17	0.001 U	0.001 U	32.8	0.001 U	0.001 U	0.00441 B
<b>03/20</b>	0.00883	1.93	0.001 U	0.001 U	31.2	0.001 U	0.001 U	0.0179
<b>08/20</b>	0.00547	2.2	0.001 U	0.001 U	30.3	0.001 U	0.00115	0.00817
<b>03/21</b>	0.00291	1.51	0.001 U	0.001 U	51.6	0.001 U	0.001 U	0.0171
<b>09/21</b>	0.00623	2.27	0.001 U	0.001 U	25.3	0.001 U	0.00134	0.00954
<b>03/22</b>	0.0107 J	1.96 B	0.001 U	0.001 U	38.5	0.001 U	0.001 U	0.0184
<b>08/22</b>	0.00414 J	2.04	0.00100 U	0.00100 U	40.6	0.00100 U	0.00100 U	0.00747 J

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
200	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1 U	0.21 U	1 U	0.2 U	1 U	0.17 U	0.21 U	1 U	3.27	0.18 U	--	0.15 U	--	0.21 U	0.2 U
	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1.33	--	0.39 U	--	0.28 U	0.34 U
	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	0.43 U	0.27 U	0.34 U	0.44 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
	1 U	0.24 U	2.82	1.8	0.27 U	0.37 U	3.69	5.52	2.56	10 U	1 U	1 U	10 U	2.58	3.49	--	3.9	--	0.28 U	1 U
	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	1.11	0.34 U
	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.24 U	0.12 U
	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.5 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U
	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.46 J	1 U	1 U	1 U	0.94 J	1 U	1 U	1 U
	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U
	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.56 J	2 U	2 U	2 U	2 U	2 U	2 U
	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 U	5 U	5 U	5 U	5 U	5 U	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 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	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 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	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 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	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 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	5.2	5 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80	80	80	5	100	80	80	70	80	700	10000	80	700	10000	80	5	10000	5	10000	100	5
05/01	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
03/04	0.18 U	0.14 U	0.15 U	1 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1 U
09/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
04/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
09/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/06	1 U	1.09 U	1 U	0.75 U	0.25 U	1 U	0.31 U	0.27 U	0.25 U	0.28 U	1 U	1.04 U	1 U	2 U	0.28 U	--	2.33 U	1 U	1 U	1 U	0.36 U
09/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
04/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	1.15 U	3.64 U	0.28 U	--	0.25 U	0.34 U	1.45 U	0.25 U	0.36 U
03/08	0.19 U	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	0.76 U	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U
03/09	0.11 U	0.16 U	0.5 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U
09/09	1 U	1 U	0.22 J	2.5 U	1 U	1 U	0.08 J	1 U	1 U	0.53 J	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/10	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
09/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
03/12	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 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U
09/12	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/13	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/13	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/14	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

	MCL	80	80	80	5	100	80	80	20	80	700	10000	80	5	10000	100	5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/14		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/16		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
08/16		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/17		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/17		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
04/18		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/18		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
04/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/22		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/22		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 B	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>05/01</b>	0.24 U--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--	--
<b>03/04</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1.08 U	0.18 U	--	0.05	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1.05 U	0.36 U	--	0.32 U	--	--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	1 U	1 U	0.36 U	--	0.32 U	--	--
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>04/06</b>	0.32 U--	0.45 U	1.06 U	1.83 U	1 U	0.36 U	--	0.32 U	--	--
<b>09/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--	--
<b>04/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1.4 U	0.36 U	--	0.32 U	--	--
<b>10/07</b>	5.94 --	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--	--
<b>03/08</b>	0.28 U	0.05 U	0.22 U	0.08 U	--	1.1 U	0.07 U	--	0.22 U	--
<b>03/09</b>	0.12 U	0.03 U	0.14 U	0.13 U	--	2.2 U	0.5 U	--	0.18 U	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	0.62 U	1 U	--	1 U	--
<b>08/10</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1.5 U	1 U	5 U	1 U	1 U
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

	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	1000	80	100			5				10000
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>08/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>04/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
<b>08/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U
<b>09/21</b>	1 U	--	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
<b>03/22</b>	1 U	--	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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							10													
04/01	--	--	--	90.7963	--	--	1.2261	--	--	--	--	--	--	--	--	--	--	--	8.9	--
09/01	--	--	--	42.5057	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5	--
03/02	--	--	--	249.442	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.88	--
09/02	--	--	--	45.8664	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2	--
06/03	--	--	--	69.5377	--	--	--	--	--	--	0.0102	--	--	--	--	--	0.024	--	4.5	--
10/03	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
03/04	--	--	--	--	--	--	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	--
09/04	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
04/05	--	--	--	--	--	--	--	--	--	--	0.003 U	--	--	--	--	--	0.01 U	--	--	--
09/05	--	--	--	--	--	--	--	--	--	--	0.0103	--	--	--	--	--	0.061	--	--	--
04/06	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	0.024	--	--	--
09/06	--	--	--	--	--	--	--	--	--	--	0.011	--	--	--	--	--	0.021	--	--	--
04/07	--	--	--	--	--	--	--	--	--	--	0.011	--	--	--	--	--	0.01 U	--	--	--
10/07	--	--	--	--	--	--	--	--	--	--	0.026	--	--	--	--	--	0.01 U	--	--	--
03/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
09/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
09/09	70	0.2 U	34.8	51.7	--	100	0.2 U	--	--	--	--	--	--	5.32	--	196	--	--	90.3	--
09/10	88	0.2 U	7.7 J	98.4	--	170	1.117	--	--	--	--	--	--	10.8	--	500	--	--	0.696	--
04/11	243	0.2 U	35.1	99.6	--	180	0.392	--	--	--	--	--	--	26.6 J	--	524	--	--	8.26	--
09/11	203	0.2 U	39.2	154	--	174	0.2 U	--	--	--	--	--	--	32.8	--	588	--	--	--	--
03/12	237	0.2 U	32.6	136	--	178	0.621	--	--	--	--	--	--	25.4	--	532	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>09/12</b>	98	0.2 U	10.5	91.5	--	150	0.654	--	--	--	--	--	--	10.4	--	360	--	--	--	--
<b>03/13</b>	253	0.2 U	60.7	171	10.33	196	0.2 U	--	6.42	--	--	1.037	--	26.3	7.31	562	--	--	--	--
<b>09/13</b>	112	0.2 U	10 U	68.4	8.15	170	1.16	337	7.48	--	--	466.9	--	29.2	23.54	352	--	--	--	0
<b>03/14</b>	74	0.2 U	18.6	586	14.74	174	1.37	505	7.88	--	--	1916	--	19.8	5.9	1038	--	--	--	--
<b>09/14</b>	174	0.2 U	110	89.2	6.81	158	1.0775	--	8.07	--	--	563	--	10.7	22.83	370	--	--	--	--
<b>03/15</b>	65	0.2 U	10	273	12.08	120	1.15	356	7.53	--	--	813.1	--	13.5	10.64	470	--	--	--	7.5
<b>03/16</b>	68	0.2 U	10 U	192	12.43	156	1.3	--	7.69	--	--	694.3	--	14	10.05	473	--	--	--	1
<b>09/18</b>	272	0.2 U	41.3	96.3	4.47	201	0.2 U	111	7.36	--	--	807	--	10.4	24.02	459	--	--	--	7.8
<b>04/19</b>	89.1	0.15	18.9	171	10.43	173 B	2	135.9	7.72	7.77	--	712	752	18	14.3	430	--	2.6 U	1.65	6.9
<b>07/19</b>	78.5	0.1 U	21.5	98.1	8.05	142 B	1.6	200	7.76	7.66	--	529	505	12.5	22.9	321	--	2.5 U	0.76	0
<b>03/20</b>	79.5	0.1 U	10.8	105	13.92	142	1.9	241.6	7.84	7.97	--	420.4	520	14	8.8	310	--	2.6 U	1.32	328.3
<b>07/20</b>	66.1	0.1 U	16.7	97.4	7.99	146	1.12	76.6	7.73	7.70	--	495.2	487	10.3	24.8	268	--	2.3 U	0.544	17.8
<b>03/21</b>	76	0.12	15.1	278	11.58	147	0.828	50	2.49	7.92	--	859	1070	14.1	11.1	550	--	6.8	3.64	4.92
<b>09/21</b>	76.7	0.05 U	11.9	74.3	8.69	125	1.21	240.9	7.83	7.45	--	3998	407	9.2	19.2	259	--	2.3 U	0.842	4.2
<b>03/22</b>	79	0.02 J	6.6 J	198	8.69	175	1.2	240.9	7.83	7.59	--	3998	838.3	13.5	19.2	427	--	2.5	2.66	4.2
<b>08/22</b>	78.6	0.04 J	25.0	134	7.97	189	0.947	157.3	7.27	7.67	--	640.0	620.5	11.5	24.0	368	--	2.3 U	0.534	30.70

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
04/01	0.0007 U	0.002 U	0.0258	0.0005 U	--	0.0006 U	--	0.002 U	0.002 U	0.01 U	--	0.0013 U	--	0.1078	0.0001 U
09/01	0.002 U	0.0007 U	0.0305	0.0017 U	--	0.0006 U	--	0.0012 U	0.0004 U	0.0082	--	0.002 U	--	0.0524	0.0001 U
03/02	0.0005 U	0.0007 U	0.0475	0.0017 U	--	0.0006 U	--	0.0031	0.002 U	0.0104	--	0.002 U	--	0.1072	0.0001 U
09/02	0.0007 U	0.002 U	0.0293	0.0004 U	--	0.0004 U	--	0.0026	0.002 U	0.0076	--	0.002 U	--	0.0291	0.0001 U
06/03	0.0007 U	0.002 U	0.0328	0.0004 U	--	0.0004 U	--	0.002 U	0.002 U	0.0157	--	0.002 U	--	0.0991	0.0002 U
10/03	0.0009 U	0.0008 U	0.0327	0.0016 U	--	0.0007 U	--	0.002 U	0.002 U	0.01 U	--	0.002 U	--	0.2133	0.0002 U
03/04	0.0009 U	0.002 U	0.0745	0.0016 U	--	0.002 U	--	0.002 U	0.0074	0.01 U	--	0.002	--	0.5262	0.0002 U
09/04	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	--	0.052	0.0001 U
04/05	0.0028 U	0.0006 U	0.0301	0.0012 U	--	0.0003 U	--	0.002 U	0.002 U	0.0134	--	0.002 U	--	0.112	0.0001 U
09/05	0.0028 U	0.0006 U	0.0351	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0105	--	0.002 U	--	0.0871	0.0001 U
04/06	0.0006 U	0.0006 U	0.0592	0.0007 U	--	0.0004 U	--	0.002 U	0.0005 U	0.0137	--	0.0032	--	0.2699	0.0001 U
09/06	0.0007 U	0.0008 U	0.0472	0.0009 U	--	0.0006 U	--	0.002 U	0.0005 U	0.0049	--	0.0007 U	--	0.0559	0.0002 U
04/07	0.0007 U	0.0008 U	0.1	0.0009 U	0.035	--	--	0.002 U	0.0134	0.0063	--	0.002 U	--	--	0.0002 U
10/07	0.002 U	0.0008 U	0.0404	0.0009 U	0.1382	--	--	0.002 U	0.002 U	0.0069	--	0.0007 U	--	--	0.0002 U
03/08	0.0005 U	0.0006 U	0.038	0.001 U	0.0467	--	--	0.002 U	0.0012 U	0.0075	--	0.001 U	--	--	0.0002 U
09/08	0.001 U	0.0012 U	0.0314	0.002 U	0.4 U	--	--	0.0016 U	0.0024 U	0.0069	--	0.004 U	--	--	0.0002 U
03/09	0.002 U	0.0002 U	0.0447	0.0002 U	0.0109	--	--	0.002 U	0.002 U	0.0058	--	0.002 U	--	--	0.0002 U
09/09	0.002 U	0.002 U	0.0912	0.002 U	--	0.002 U	18.1	0.002 U	0.0137	0.008	10.1	0.0036	10.6	2.37	0.0002 U
08/10	0.001 U	0.0006 J	0.035	0.001 U	--	0.001 U	--	0.0026	0.001 U	0.0008 J	--	0.001 U	--	--	0.0002 U
09/10	0.005 U	0.005 U	0.0431	0.005 U	--	0.005 U	34.3	0.005 U	0.005 U	0.0066	0.286 J	0.005 U	18.4	0.0179	0.0002 U
04/11	0.005 U	0.005 U	0.0556	0.005 U	--	0.005 U	33.9 J	0.005 U	0.005 U	0.0067	0.657	0.005 U	26.9 J	0.143	0.0002 U
09/11	0.005 U	0.005 U	0.079	0.005 U	--	0.005 U	34.2	0.005 U	0.005 U	0.00767	0.613	0.005 U	23.7	0.25	0.0002 U
03/12	0.005 U	0.005 U	0.0484	0.005 U	--	0.005 U	30.6	0.005 U	0.005 U	0.00768	0.507	0.005 U	29	0.0864	0.0002 U
09/12	0.005 U	0.005 U	0.045	0.005 U	--	0.005 U	34.3	0.005 U	0.005 U	0.005 U	0.548	0.005 U	17.4	0.0182	0.0002 U
03/13	0.005 U	0.005 U	0.0644	0.005 U	--	0.005 U	34.6	0.005 U	0.005 U	0.0168	0.39	0.005 U	28.3	0.0287	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>09/13</b>	0.005 U	0.005 U	0.044	0.005 U	--	0.005 U	40	0.005 U	0.005 U	0.005 U	0.294	0.005 U	19	0.0705	0.0002 U
<b>03/14</b>	0.005 U	0.005 U	0.0685	0.005 U	--	0.005 U	37.6	0.005 U	0.005 U	0.00551	0.491	0.005 U	20.1	0.154	0.0002 U
<b>09/14</b>	0.005 U	0.005 U	0.227	0.005 U	--	0.005 U	23.5	0.0226	0.0387	0.0267	17.8	0.0244	19.5	5.11	0.0002 U
<b>03/15</b>	0.002 U	0.002 U	0.039	0.002 U	--	0.004 U	23	0.01 U	0.01 U	0.0035 J	0.57	0.002 U	12	0.12	0.0002 U
<b>03/16</b>	0.002 U	0.002 U	0.0541	0.002 U	--	0.002 U	33.3	0.002 U	0.002 U	0.00233	0.53	0.002 U	18.6	0.139	0.0002 U
<b>09/18</b>	0.002 U	0.002 U	0.0819	0.002 U	--	0.002 U	36.5	0.00213	0.00389	0.002 U	0.745	0.002 U	26.8	0.832	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.0509	0.001 U	--	0.001 U	30.5	0.001 U	0.001 U	0.00143	0.185	0.001 U	23.4	0.0847	0.0001 U
<b>07/19</b>	0.001 U	0.001 U	0.0426	0.001 U	--	0.001 U	27.2 B	0.001 U	0.001 U	0.001 U	0.122	0.001 U	17.9	0.0177	0.0001 U
<b>03/20</b>	0.001 U	0.001 U	0.0391	0.001 U	--	0.001 U	26.7	0.001 U	0.001 U	0.001 U	0.193	0.001 U	18.2	0.0737	0.0001 U
<b>07/20</b>	0.001 U	0.001 U	0.0464	0.001 U	--	0.001 U	27.9	0.001 U	0.001 U	0.001 U	0.119	0.001 U	18.7	0.0172	0.0001 U
<b>03/21</b>	0.001 U	0.001 U	0.0502	0.001 U	--	0.001 U	28.7	0.001 U	0.001 U	0.00169	0.449	0.001 U	18.2	0.0895	0.0001 U
<b>09/21</b>	0.001 U	0.001 U	0.0395	0.001 U	--	0.001 U	25.2	0.001 U	0.001 U	0.001 U	0.255	0.001 U	15	0.0394	0.0001 U
<b>03/22</b>	0.001 U	0.001 U	0.049	0.001 U	--	0.001 U	36.8	0.001 U	0.001 U	0.00104 J	0.394	0.001 U	20.2	0.166	0.0001 U
<b>08/22</b>	0.00100 U	0.00100 U	0.0509	0.00100 U	--	0.00100 U	37.8	0.00100 U	0.00100 U	0.00100 U	0.124	0.00100 U	23.1	0.0165	0.000100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Total Metals**

	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			0.05			0.002		
<b>04/01</b>	0.0062	--	0.0018 U	0.0052 U	--	0.0009 U	0.002 U	0.01 U
<b>09/01</b>	0.01 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
<b>03/02</b>	0.01 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.0007 U	--
<b>09/02</b>	0.0026	--	0.0044	0.0096 U	--	0.001 U	0.0003 U	--
<b>06/03</b>	0.0062	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
<b>10/03</b>	0.0041	--	0.0007 U	0.0022 U	--	0.0004 U	0.002 U	--
<b>03/04</b>	0.0151	--	0.0024	0.0022 U	--	0.0004 U	0.002 U	--
<b>09/04</b>	0.0037	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	0.0057	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	0.003	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/06</b>	0.0083	--	0.0015 U	0.0004 U	--	0.0004 U	0.002 U	--
<b>09/06</b>	0.0024	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	0.0058	--	0.0008 U	0.0005 U	--	0.0007 U	0.002 U	0.0185
<b>10/07</b>	0.0037	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	0.0032
<b>03/08</b>	0.0058	--	0.0009 U	0.0008 U	--	0.0006 U	0.0006 U	0.01 U
<b>09/08</b>	0.004 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
<b>03/09</b>	0.0028	--	0.002 U	0.0009 U	--	0.0002 U	0.002 U	0.0058
<b>09/09</b>	0.008	2.92	0.002 U	0.002 U	25.7	0.002 U	0.0036	0.0165
<b>08/10</b>	0.0029	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.011
<b>09/10</b>	0.005 U	4	0.005 U	0.005 U	37	0.005 U	0.005 U	0.005 U
<b>04/11</b>	0.0095	14.8	0.005 U	0.005 U	121 J	0.005 U	0.005 U	0.00604
<b>09/11</b>	--	14.9	0.0082	0.005 U	115	0.005 U	0.005 U	0.00665
<b>03/12</b>	--	13.8	0.005 U	0.005 U	136	0.005 U	0.005 U	0.00539
<b>09/12</b>	--	4.68	0.005 U	0.005 U	26.3	0.005 U	0.005 U	0.005 U
<b>03/13</b>	--	17	0.005 U	0.005 U	136	0.005 U	0.005 U	0.00538

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Total Metals**

	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			0.05			0.002		
<b>09/13</b>	--	4.53	0.005 U	0.005 U	27.5	0.005 U	0.005 U	0.005 U
<b>03/14</b>	0.00902	5.1	0.005 U	0.005 U	345	0.005 U	0.005 U	0.00897
<b>09/14</b>	0.0307	15.2	0.005 U	0.005 U	75.9	0.005 U	0.0281	0.0863
<b>03/15</b>	0.0085 J	3.3	0.035 U	0.01 U	150	0.002 U	0.01 U	0.0098 J
<b>03/16</b>	0.00689	2.59	0.002 U	0.0001 U	83.5	0.001 U	0.002 U	0.0042
<b>09/18</b>	0.00828	14.8	0.00571	0.002 U	85.6	0.001 U	0.002 U	0.00299
<b>04/19</b>	0.0068	3.93	0.001 U	0.001 U	71.3	0.001 U	0.001 U	0.004 U
<b>07/19</b>	0.00268	3.41	0.001 U	0.001 U	32.1 B	0.001 U	0.001 U	0.004 U
<b>03/20</b>	0.0045	3.66	0.001 U	0.001 U	40.3	0.001 U	0.001 U	0.004 U
<b>07/20</b>	0.00241	3.46	0.001 U	0.001 U	29.4	0.001 U	0.001 U	0.004 U
<b>03/21</b>	0.00649	3.04	0.001 U	0.001 U	125	0.001 U	0.001 U	0.00704
<b>09/21</b>	0.00301	3.51	0.001 U	0.001 U	25.9	0.001 U	0.001 U	0.004 U
<b>03/22</b>	0.00544 J	2.8 B	0.001 U	0.001 U	88	0.001 U	0.001 U	0.00649 J
<b>08/22</b>	0.00316 J	3.75	0.00100 U	0.00100 U	45.5	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
09/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	0.19 U	0.17 U	0.21 U	1 U	0.26	0.18 U	--	0.15 U	--	0.21 U	0.2 U
03/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1.04	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	1 U	0.28 U	11 U	0.27 U	0.34 U	11 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	10 U	0.18 U	0.17 U	0.23 U	--	--	--	--	--	0.24 U	0.12 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	0.14 U	--	--	--	--	--	0.09 U	0.14 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	1.13	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	1.34	10 U	--	--	--	--	--	0.5 U	0.14 U
09/09	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 U	1 U	1 U	1 U	1.17	1 U	1 U	1 U
08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
<b>03/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/12</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5.15	5 U	1 U	1 U
<b>03/16</b>		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 U	5 U	5 U	5 U	5.88	5 U	1 U	1 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>07/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
80	80	80	5	100	80	70	80	70	80	700	10000	80	700	10000	80	5	10000	5	10000	100	
09/01	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	0.26 U	0.28 U	0.17 U	--	0.22 U	3.15	0.27 U	0.21 U
03/02	0.18 U	0.14 U	1 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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
09/02	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
06/03	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
10/03	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	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
03/04	0.18 U	0.14 U	1 U	1 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	0.26 U	0.28 U	1 U	--	0.22 U	0.21 U	0.27 U	0.21 U
09/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
04/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
09/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
04/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U
09/06	0.31 U	0.27 U	1 U	2.5 U	0.25 U	0.4 U	0.31 U	0.27 U	1 U	1 U	0.29 U	--	0.27 U	1 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	1 U
04/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U
10/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
03/08	0.19 U	0.12 U	0.5 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	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U
09/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	0.14 U	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U
03/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	9.43	0.12 U	--	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U
09/09	1 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
08/10	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	0.81 U	2 U	2 U	--	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U
09/11	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 U	--	1 U	2 U	1 U	1 U	--	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

	MCL	80	80	80	5	100	80	80	20	5	80	700	10000	5	5	10000	100					
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
<b>03/12</b>		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 U	1 U	1 U	1 U	1 U	--	1 U
<b>09/12</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/13</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/13</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/14</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/14</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/15</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/16</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/18</b>		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>04/19</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

MCL	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)
5	1000	80	100				5			2	10000
<b>09/01</b>	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
<b>03/02</b>	1 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1 U	0.18 U	--	--	--
<b>09/02</b>	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
<b>06/03</b>	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
<b>10/03</b>	0.17 U	0.24 U	--	0.22 U	0.13 U	1 U	0.19 U	0.18 U	--	0.02	--
<b>03/04</b>	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.01	--
<b>09/04</b>	0.36 U	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/05</b>	0.36 U	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/05</b>	0.36 U	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/06</b>	1 U	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/06</b>	1 U	1 U	--	0.45 U	0.24 U	0.3 U	1 U	0.36 U	--	0.32 U	--
<b>04/07</b>	0.36 U	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>10/07</b>	0.36 U	0.32 U	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>03/08</b>	0.2 U	0.28 U	0.04	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.16 U	0.12 U	0.04	0.14 U	0.13 U	--	0.13 U	0.1 U	--	0.18 U	--
<b>03/09</b>	0.5 U	0.12 U	0.02	0.69	0.13 U	--	7.13	0.1 U	--	1.29	--
<b>09/09</b>	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	--
<b>08/10</b>	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

	MCL	5 Tetrachloroethene (ug/L)	Toluene (ug/L)	80 Total Trihalomethanes (ug/L)	100 trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	5 Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	2 Vinyl Chloride (ug/L)	10000 Xylene (ug/L)
<b>03/12</b>		1 U	1.6	-	1 U	1 U	5 U	1 U	1 U	1 U	1 U	3.6
<b>09/12</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/13</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/14</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/14</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>04/01</b>	--	--	--	74.509	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.8	--
<b>09/01</b>	--	--	--	47.6235	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9	--
<b>03/02</b>	--	--	--	56.3314	--	--	--	--	--	--	--	--	--	--	--	--	--	--	46.3	--
<b>06/03</b>	--	--	--	68.4973	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.022	--	16.5	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.013	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.074	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.018	--	--	--	--	--	0.014	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	0.054	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.03	--	--	--
<b>09/09</b>	109	0.2 U	6 J	85.8	--	170	1.8591	--	--	--	--	--	--	20.8	--	352	--	--	1.96	--
<b>09/10</b>	115	0.2 U	10	97.6	--	170	1.4818	--	--	--	--	--	--	25.2	--	524	--	--	0.753	--
<b>04/11</b>	105	0.477	18.5	79.8	--	128	0.831	--	--	--	--	--	--	12.8 J	--	312	--	--	10.7	--
<b>09/11</b>	81	0.2 U	15.3	50.6	--	110	0.774	--	--	--	--	--	--	11.6	--	256	--	--	--	--
<b>03/12</b>	128	0.383	17.2	122	--	188	1.489	--	--	--	--	--	--	41.4	--	448	--	--	--	--
<b>09/12</b>	79	0.2 U	19.5	49.5	--	124	0.878	--	--	--	--	--	--	27.4	--	256	--	--	--	--
<b>03/13</b>	108	0.555	10 U	145	13.13	180	2.071	--	6.52	--	--	739	--	29.7	5.95	380	--	--	--	155
<b>09/13</b>	92	0.2 U	22.4	62.6	8.17	140	0.523	325	7.45	--	--	424.7	--	28.7	16.17	308	--	--	--	0.6
<b>03/14</b>	105	0.612	15.3	674	15.33	192	1.481	601	7.41	--	--	2485	--	24.1	3.37	1286	--	--	--	3

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/crr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>09/14</b>	82	0.2 U	14.5	76	6.74	148	0.869	--	9.41	--	--	447.1	--	28.1	20.76	276	--	--	--	--
<b>03/15</b>	121	0.393	10 U	229	16.22	200	1.35	333	7.72	--	--	862.9	--	20.4	9.44	574	--	--	--	1.8
<b>09/15</b>	120	0.2 U	10 U	148	8.15	224	1.17	227	7.46	--	--	692.1	--	22.7	24.42	397	--	--	--	0
<b>03/16</b>	106	0.2 U	17.4	170	12.63	184	1.36	--	7.24	--	--	686.3	--	18.6	12.83	407	--	--	--	0.2
<b>08/16</b>	107	0.2 U	12.1	128	8.53	192	1.17	225	7.26	--	--	609.5	--	15	23.5	452	--	--	--	0
<b>03/17</b>	80	0.2 U	10 U	106	--	168	0.666	335	7.39	--	--	310.4	--	12	9.58	253	--	--	--	10.7
<b>09/17</b>	95	0.706	10 U	89.6	8.74	166	1.17	313	7.35	--	--	449.9	--	11.4	17.5	344	--	--	--	3.5
<b>04/18</b>	103	0.2 U	16.5	320	12.24	380	0.822	158	7.12	--	--	1090	--	16.7	9.25	690	--	--	--	0
<b>09/18</b>	123	0.284	33.5	61.9	7.58	155	0.858	112	7.33	--	--	451.8	--	15.9	20	277	--	--	--	3
<b>04/19</b>	106	0.43	20.2	157	12.99	188 B	1.6	105.4	7.90	7.95	--	901	754	25.8	18.1	458	--	3.7	4.65	3.3
<b>07/19</b>	112	0.11	10.7	138	7.7	212 B	1.5	200	6.92	7.57	--	737	725	30.6	22.1	463	--	3.1	4.58	0
<b>03/20</b>	108	0.32	18.8	124	10.72	221	1.65	123.2	8.10	7.72	--	608	728	53.2	10.8	425	--	11.7	9.83	58.6
<b>08/20</b>	100	0.1 J	26.1	106	254	194	0.97	143.2	6.98	7.41	--	663	657	43.8	23.5	407	--	71.4	1.91	36.3
<b>03/21</b>	120	0.13	20	241	11.67	126	0.845	91.4	7.49	7.79	--	887	1000	16.9	15	518	--	4.7	5.24	6.9
<b>09/21</b>	122	2.1	33.5	118	5.48	182	0.584	163	7.19	7.22	--	666	661	26.1	21.9	370	--	8.1	4.54	163.35
<b>03/22</b>	106	0.14 J	9.4 J	200	5.48	209	1.4	163	7.19	7.79	--	666	915.3	23.1	21.9	482	--	6	4.37	163.35
<b>08/22</b>	114	0.21 J	14.5	128	7.33	226	1.09	36.9	7.38	7.52	--	714.0	711.7	35.2	22.2	433	--	2.2 U	1.64	0.90

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
04/01	0.0007 U	0.002 U	0.0377	0.0005 U	--	0.0006 U	--	0.002 U	0.002 U	0.01 U	--	0.0013 U	--	0.163	0.0001 U
09/01	0.002 U	0.0007 U	0.0564	0.0017 U	--	0.0006 U	--	0.0095	0.002 U	0.0097	--	0.002 U	--	0.1095	0.0001 U
03/02	0.002 U	0.002 U	0.0344	0.0017 U	--	0.0006 U	--	0.0093	0.002 U	0.0179	--	0.0046	--	0.1154	0.0001 U
06/03	0.0007 U	0.002 U	0.051	0.0004 U	--	0.0004 U	--	0.0031	0.002 U	0.0195	--	0.002 U	--	0.2407	0.0002 U
09/04	0.0028 U	0.0006 U	0.0506	0.0012 U	--	0.0003 U	--	0.002 U	0.002 U	0.0107	--	0.002 U	--	0.1555	0.0001 U
04/05	0.0028 U	0.0006 U	0.0475	0.0012 U	--	0.0003 U	--	0.002 U	0.002 U	0.0162	--	0.002 U	--	0.2356	0.0001 U
09/05	0.0028 U	0.0006 U	0.0885	0.0012 U	--	0.0003 U	--	0.0167	0.002 U	0.0166	--	0.002 U	--	0.1272	0.0001 U
04/06	0.0006 U	0.0006 U	0.0681	0.0007 U	--	0.0004 U	--	0.0202	0.002 U	0.0109	--	0.0023	--	0.2724	0.0001 U
09/06	0.0007 U	0.0008 U	0.066	0.0009 U	--	0.0006 U	--	0.013	0.002 U	0.0079	--	0.002 U	--	0.1056	0.0002 U
04/07	0.0007 U	0.0008 U	0.0509	0.0009 U	0.062	--	--	0.0034	0.002 U	0.0072	--	0.0007 U	--	--	0.0002 U
10/07	0.0007 U	0.0008 U	0.0699	0.0009 U	0.084	--	--	0.0194	0.002 U	0.0109	--	0.0039	--	--	0.0002 U
03/08	0.002 U	0.0006 U	0.0508	0.001 U	0.071	--	--	0.0033	0.002 U	0.007	--	0.002 U	--	--	0.0002 U
03/09	0.002 U	0.002 U	0.1404	0.0002 U	0.0435	--	--	0.0422	0.002 U	0.0127	--	0.0027	--	--	0.0002 U
09/09	0.002 U	0.002 U	0.0624	0.002 U	--	0.002 U	38.2	0.002 U	0.0005 J	0.0067	0.421	0.002 U	16.3	0.154	0.0002 U
08/10	0.001 U	0.0007 J	0.059	0.001 U	--	0.001 U	--	0.001 U	0.0005 J	0.002	--	0.001 U	--	--	0.0002 U
09/10	0.005 U	0.005 U	0.0632	0.005 U	--	0.005 U	42.8	0.005 U	0.005 U	0.0076	0.357 J	0.005 U	17.8	0.147	0.0002 U
04/11	0.005 U	0.005 U	0.0498	0.005 U	--	0.005 U	32.5 J	0.005 U	0.005 U	0.0066	1.04	0.005 U	13.6	0.185	0.0002 U
09/11	0.005 U	0.005 U	0.0488	0.005 U	--	0.005 U	27.4	0.005 U	0.005 U	0.00714	0.555	0.005 U	8.98	0.0928	0.0002 U
03/12	0.005 U	0.005 U	0.0706	0.005 U	--	0.005 U	56.8	0.0234	0.005 U	0.00996	1.36	0.005 U	16.5	0.436	0.0002 U
09/12	0.005 U	0.005 U	0.0544	0.005 U	--	0.005 U	31.7	0.005 U	0.005 U	0.00663	0.466	0.005 U	11.7	0.0764	0.0002 U
03/13	0.005 U	0.005 U	0.0732	0.005 U	--	0.005 U	49.3	0.0253	0.005 U	0.00699	0.77	0.005 U	18.9	0.276	0.0002 U
09/13	0.005 U	0.005 U	0.0606	0.005 U	--	0.005 U	39.8	0.0229	0.005 U	0.00922	0.486	0.005 U	11.8	0.0973	0.0002 U
03/14	0.005 U	0.005 U	0.0934	0.005 U	--	0.005 U	44.1	0.005 U	0.005 U	0.00726	0.706	0.005 U	19	0.344	0.0002 U
09/14	0.005 U	0.005 U	0.082	0.005 U	--	0.005 U	37.7	0.0113	0.005 U	0.00569	0.498	0.005 U	10.9	0.0795	0.0002 U
03/15	0.002 U	0.002 U	0.061	0.002 U	--	0.004 U	46	0.01 U	0.01 U	0.0033 J	0.39	0.002 U	21	0.32	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill  
Monitoring Location ST70 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>09/15</b>	0.001 U	0.0011	0.064	0.001 U	--	0.0005 U	54	0.005 U	0.005 U	0.005 U	0.093	0.001 U	24	--	0.0002 U
<b>03/16</b>	0.002 U	0.002 U	0.0681	0.002 U	--	0.002 U	43	0.002 U	0.002 U	0.0035	0.758	0.002 U	19.3	0.272	0.0002 U
<b>08/16</b>	0.002 U	0.002 U	0.0625	0.002 U	--	0.002 U	46.5	0.002 U	0.002 U	0.002 U	0.329	0.002 U	20.8	0.0794	0.0002 U
<b>03/17</b>	0.005 U	0.005 U	0.0601	0.005 U	--	0.005 U	34.5	0.005 U	0.005 U	0.0116	0.456	0.005 U	14.6	0.191	0.0002 U
<b>09/17</b>	0.005 U	0.005 U	0.0655	0.005 U	--	0.005 U	38.7	0.005 U	0.005 U	0.00523	0.496	0.005 U	17.3	0.15	0.0002 U
<b>04/18</b>	0.002 U	0.002 U	0.0768	0.002 U	--	0.002 U	88.4	0.002 U	0.002 U	0.00242	0.936	0.002 U	38.6	0.329	0.0002 U
<b>09/18</b>	0.005 U	0.005 U	0.0496	0.005 U	--	0.005 U	35.6	0.005 U	0.005 U	0.0127	0.315	0.005 U	16	0.0805	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.0786	0.001 U	--	0.001 U	37.7	0.00925	0.00137	0.00276	0.572	0.001 U	22.9	0.261	0.0001 U
<b>07/19</b>	0.001 U	0.001 U	0.0837	0.001 U	--	0.001 U	49.9 B	0.00444	0.001 U	0.0015	0.241	0.001 U	21.2	0.147	0.0001 U
<b>03/20</b>	0.001 U	0.001 U	0.088	0.001 U	--	0.001 U	52.3	0.0436	0.00159	0.00137	0.53	0.001 U	22.1	0.336	0.0001 U
<b>08/20</b>	0.001 U	0.001 U	0.076	0.001 U	--	0.001 U	46.6	0.0243	0.001 U	0.00278	0.439	0.001 U	19	0.192	0.0001 U
<b>03/21</b>	0.001 U	0.001 U	0.0513	0.001 U	--	0.001 U	29.2	0.00834	0.001 J	0.00664	0.583	0.00121	13	0.183	0.0001 U
<b>09/21</b>	0.001 J	0.001 U	0.0902	0.001 U	--	0.001 U	42.3	0.00674	0.00359	0.00903	0.915	0.00186	18.5	1.29	0.0001 U
<b>03/22</b>	0.001 U	0.001 U	0.0798	0.001 U	--	0.001 U	49.5	0.00544 J	0.00175 J	0.00191 J	0.4	0.001 U	20.8	0.348	0.0001 U
<b>08/22</b>	0.00100 U	0.00100 U	0.0816	0.00100 U	--	0.00100 U	56.1	0.00868 J	0.00100 U	0.00239 J	0.278	0.00100 U	20.7	0.136	0.000100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - Total Metals**

	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			0.05			0.002		
<b>04/01</b>	0.0064	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	0.0157
<b>09/01</b>	0.01 U	--	0.002 U	0.0044 U	--	0.0009 U	0.002 U	--
<b>03/02</b>	0.0134	--	0.0009 U	0.0044 U	--	0.0009 U	0.0033	--
<b>06/03</b>	0.007	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
<b>09/04</b>	0.0046	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	0.0075	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>09/05</b>	0.0059	--	0.002 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/06</b>	0.0086	--	0.0015 U	0.0004 U	--	0.0004 U	0.002 U	--
<b>09/06</b>	0.0044	--	0.002 U	0.0005 U	--	0.0007 U	0.0007 U	--
<b>04/07</b>	0.0074	--	0.002 U	0.0005 U	--	0.0007 U	0.002 U	0.0167
<b>10/07</b>	0.007	--	0.002 U	0.0005 U	--	0.0007 U	0.002 U	0.0187
<b>03/08</b>	0.0085	--	0.002 U	0.0001 U	--	0.0001 U	0.002 U	0.016
<b>03/09</b>	0.0095	--	0.002 U	0.0009 U	--	0.0002 U	0.002 U	0.0342
<b>09/09</b>	0.0086	4.3	0.002 U	0.002 U	34.2	0.002 U	0.002 U	0.01 U
<b>08/10</b>	0.0081	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.016
<b>09/10</b>	0.0077	6.84	0.005 U	0.005 U	40.1	0.005 U	0.005 U	0.00661
<b>04/11</b>	0.0086	4.15	0.005 U	0.005 U	45.6 J	0.005 U	0.005 U	0.0145
<b>09/11</b>	--	4.52	0.005 U	0.005 U	20.4	0.005 U	0.005 U	0.0121
<b>03/12</b>	--	13.1	0.005 U	0.005 U	77.1	0.005 U	0.005 U	0.0143
<b>09/12</b>	--	5.33	0.005 U	0.005 U	22.1	0.005 U	0.005 U	0.0111
<b>03/13</b>	--	14.3	0.005 U	0.005 U	70.3	0.005 U	0.005 U	0.0136
<b>09/13</b>	--	13.5	0.005 U	0.005 U	25.9	0.005 U	0.005 U	0.0215
<b>03/14</b>	0.0103	14.3	0.005 U	0.005 U	384	0.005 U	0.005 U	0.0257
<b>09/14</b>	0.005 U	12.3	0.005 U	0.005 U	30.7	0.005 U	0.005 U	0.0101
<b>03/15</b>	0.011	5.5	0.035 U	0.01 U	130	0.002 U	0.01 U	0.014

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location ST70 - Total Metals**

	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			0.05			0.002		
<b>09/15</b>	0.01 U	5.2	0.005 U	0.001 U	50	0.001 U	0.005 U	0.0054
<b>03/16</b>	0.0079	3.83	0.002 U	0.002 U	71.6	0.001 U	0.002 U	0.0107
<b>08/16</b>	0.00375	4.25	0.002 U	0.002 U	39.1	0.001 U	0.002 U	0.00362
<b>03/17</b>	0.00801	2.88	0.005 U	0.005 U	49.1	0.005 U	0.005 U	0.014
<b>09/17</b>	0.00514	3.44	0.005 U	0.005 U	31.8	0.005 U	0.005 U	0.0242
<b>04/18</b>	0.00941	7.49	0.002 U	0.002 U	312	0.001 U	0.002 U	0.0115
<b>09/18</b>	0.00792	4.8	0.005 U	0.005 U	26	0.005 U	0.005 U	0.0282
<b>04/19</b>	0.0069	6.01	0.001 U	0.001 U	64.8	0.001 U	0.001 U	0.00945
<b>07/19</b>	0.00429	8.2	0.001 U	0.001 U	49.2 B	0.001 U	0.001 U	0.0119
<b>03/20</b>	0.00647	14.9	0.001 U	0.001 U	48.3	0.001 U	0.001 U	0.0101
<b>08/20</b>	0.00493	11.8	0.001 U	0.001 U	40	0.001 U	0.00118	0.0114
<b>03/21</b>	0.0028	4.7	0.001 U	0.001 U	124	0.001 U	0.001 U	0.0172
<b>09/21</b>	0.0106	7.64	0.001 U	0.001 U	45	0.001 U	0.001 U	0.0242
<b>03/22</b>	0.00666 J	5.73	0.001 U	0.001 U	87.7	0.001 U	0.001 U	0.00943 J
<b>08/22</b>	0.00333 J	8.61	0.00100 U	0.00100 U	51.3	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
09/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	1 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	1 U	--	0.28 U	0.34 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	1 U	--	0.28 U	0.34 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.44 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.24 U	0.12 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U
09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.34 J	0.32 J	1 U	1 U	0.43 J	1 U	1 U	1 U
08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/12	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/12	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/13	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/13	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2,3-Trichloropropane (ug/L)	0.2 1,2-Dibromo-3-chloropropane (ug/L)	0.05 1,2-Dibromoethane (ug/L)	600 1,2-Dichlorobenzene (ug/L)	5 1,2-Dichloroethane (ug/L)	5 1,2-Dichloropropane (ug/L)	75 1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	5 Benzene (ug/L)	Bromochloromethane (ug/L)
03/14		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	--
09/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
08/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
04/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
04/19		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 U	5 U	5 U	5 U	9.7	5 U	1 U	1 U
07/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
08/20		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	6.6	5 U	1 U	1 U
09/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	17.7	5 U	1 U	1 U
03/22		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
08/22		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
80	80	80	80	5	100	80	80	70	80	700	10000	80	700	10000	80	5	10000	5	10000	100	
<b>09/01</b>	1 U	1 U	0.15 U	1 U	0.15 U	0.28 U	0.2 U	1 U	0.21 U	1 U	0.19 U	--	1 U	0.26 U	0.28 U	0.17 U	--	0.22 U	12.18	0.27 U	0.21 U
<b>03/02</b>	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	--	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
<b>06/03</b>	1 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 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
<b>09/04</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
<b>04/05</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
<b>09/05</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
<b>04/06</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
<b>09/06</b>	0.31 U	0.27 U	1 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U
<b>04/07</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
<b>10/07</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	1 U	0.25 U	1 U	0.29 U	--	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
<b>03/08</b>	0.19 U	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	1.04	0.13 U	--	0.15 U	0.26 U	0.43 U	--	5 U	0.15 U	0.12 U	0.22 U	0.2 U
<b>03/09</b>	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.5 U	0.2 U	1.17	0.12 U	--	0.13 U	0.12 U	0.23 U	--	7.27	0.2 U	0.17 U	0.11 U	0.11 U
<b>09/09</b>	1 U	1 U	1 U	2.5 U	1 U	1 U	0.07 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	1 U	1.19	1 U	1 U	1 U	1 U
<b>08/10</b>	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	4 U	2 U	1.04 U	2 U	2 U	2 U	2 U
<b>04/11</b>	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 U	--	1 U	2 U	1 U	1 U	--	1 U
<b>09/11</b>	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 U	--	1 U	2 U	1 U	1 U	--	1 U
<b>03/12</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	0.47	--	1 U	1 U	1 U	1 U	--	1 U
<b>09/12</b>	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U
<b>03/13</b>	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U
<b>09/13</b>	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

	MCL	80	80	80	5	100	80	80	20	5	80	700	10000	5	5	5	5	5	10000	100		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Cyclohexane (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
03/14		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/14		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/15		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/15		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/16		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1.61	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
08/16		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/17		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/17		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
04/18		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
09/18		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
04/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/22		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/22		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

	MCL	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)
<b>09/01</b>	5	1 U	0.24 U	80	0.22 U	0.13 U	0.14 U	5	0.18 U	--	--	--
<b>03/02</b>	5	1.55 U	1 U	80	0.22 U	0.13 U	0.14 U	5	0.18 U	--	--	--
<b>06/03</b>	5	0.17 U	0.24 U	80	0.22 U	0.13 U	1 U	5	0.18 U	--	--	--
<b>09/04</b>	5	0.36 U	0.32 U	80	0.45 U	0.24 U	0.3 U	5	0.36 U	--	0.32 U	--
<b>04/05</b>	5	0.36 U	0.32 U	80	0.45 U	0.24 U	0.3 U	5	0.36 U	--	0.32 U	--
<b>09/05</b>	5	0.36 U	0.32 U	80	0.45 U	0.24 U	0.3 U	5	0.36 U	--	0.32 U	--
<b>04/06</b>	5	0.36 U	0.32 U	80	0.45 U	0.24 U	0.3 U	5	0.36 U	--	0.32 U	--
<b>09/06</b>	5	0.36 U	0.32 U	80	0.45 U	0.24 U	0.3 U	5	0.36 U	--	0.32 U	--
<b>04/07</b>	5	1 U	0.32 U	80	0.45 U	0.24 U	0.3 U	5	0.36 U	--	0.32 U	--
<b>10/07</b>	5	0.36 U	0.32 U	80	0.45 U	0.24 U	0.3 U	5	0.36 U	--	0.32 U	--
<b>03/08</b>	5	0.2 U	0.28 U	0.16	0.22 U	0.08 U	--	5	0.23 U	0.07 U	--	0.22 U
<b>03/09</b>	5	0.16 U	0.12 U	0.27	0.14 U	0.13 U	--	5	0.5 U	0.1 U	--	0.18 U
<b>09/09</b>	5	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	--
<b>08/10</b>	5	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	5	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	5	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	5	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	5	1 U	0.97	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2.2
<b>09/12</b>	5	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	5	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/13</b>	5	1 U	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

	MCL	5	1000	80	100	5	5	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	2	10000
		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)				Vinyl Chloride (ug/L)	Xylene (ug/L)
<b>03/14</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/14</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/15</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>08/16</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/17</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/17</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>04/18</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>		1 U	1 U	-	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>		1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>04/01</b>	--	--	--	41.3036	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.7	--
<b>09/01</b>	--	--	--	17.4057	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.5	--
<b>03/02</b>	--	--	--	59.6393	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28.3	--
<b>06/03</b>	--	--	--	25.1835	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	51	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.0397	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	0.014	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.08	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.029	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	48	0.2 U	6.7 J	32.6	--	70	0.8957	--	--	--	--	--	--	8.16	--	144	--	--	1.85	--
<b>09/10</b>	44	0.2 U	17	28.6	--	68	0.35	--	--	--	--	--	--	5.53	--	168	--	--	7.86	--
<b>04/11</b>	32	0.2 U	14.6	27.1	--	46	0.856	--	--	--	--	--	--	6.57	--	144	--	--	91.8	--
<b>09/11</b>	42	0.2 U	12.5	29.4	--	55	0.423	--	--	--	--	--	--	6.04	--	160	--	--	--	--
<b>03/12</b>	34	0.2 U	10.3	45.8	--	58	1.68	--	--	--	--	--	--	5.77	--	168	--	--	--	--
<b>09/12</b>	54	0.2 U	10.8	38.1	--	86	0.679	--	--	--	--	--	--	5.55	--	160	--	--	--	--
<b>03/13</b>	34	0.2 U	10 U	107	12.81	66	1.52	--	7.11	--	--	466.6	--	8.53	7.39	246	--	--	--	1000
<b>09/13</b>	569	0.2 U	14.4	43	8.37	76	0.309	334	7.65	--	--	231.3	--	6.35	18.39	180	--	--	--	4

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (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																				
<b>03/14</b>	31	0.2 U	10 U	207	14.43	84	1.79	446	7.64	--	--	685.1	--	10	4.52	396	--	--	--	8.8
<b>09/14</b>	41	0.2 U	20.5	40.9	7.08	76	0.534	--	7.60	--	--	211.2	--	5.89	23.1	168	--	--	--	--
<b>03/15</b>	33	0.2 U	12.9	177	13.72	82	1.27	301	7.62	--	--	541.2	--	8.62	5.47	362	--	--	--	24
<b>09/15</b>	60	0.2 U	10 U	70.6	6.66	106	0.796	--	6.93	--	--	333.5	--	7.55	22.05	172	--	--	--	--
<b>03/16</b>	34	0.2 U	10 U	111	12.81	80	1.56	--	8.03	--	--	393	--	8.65	9.16	236	--	--	--	2.3
<b>09/16</b>	45	0.2 U	11.4	40.9	6.94	92	0.528	295	7.33	--	--	219.8	--	4.72	21.25	154	--	--	--	0.6
<b>03/17</b>	40	0.2 U	10 U	77	14.55	120	1.27	228	7.13	--	--	571.5	--	8.56	8.16	213	--	--	--	1.5
<b>09/17</b>	45	0.2 U	10 U	40.1	7.34	100	1.0988	321	7.43	--	--	223.1	--	6.3	18.7	195	--	--	--	0.5
<b>04/18</b>	34.5	0.2 U	10 U	181	11.55	88.6	1.65	215	7.33	--	--	582.5	--	8.29	9.92	397	--	--	--	2.4
<b>09/18</b>	33.4	0.306	17.1	24.4	8.28	52.1	0.645	44	7.29	--	--	153.4	--	4.54	20.59	81	--	--	--	1.2
<b>04/19</b>	104	0.1 U	21	152	13.79	188 B	1.6	136.4	9.18	9.02	--	860	723	27.5	18.7	445	--	4.4	4.62	5.9
<b>07/19</b>	123	0.1 U	15.9	140	8.03	210 B	1.8	200	7.76	7.96	--	751	735	21.9	22.2	465	--	2.4 U	0.816	0
<b>03/20</b>	112	0.11	9	135	12.19	207	1.5	146.7	8.15	8.05	--	571	680	22.6	10.8	378	--	2.9	2.64	119.3
<b>08/20</b>	48.8	0.23	40.4	49.8	6.62	85.1	0.57	34.5	8.21	7.40	--	306.7	281	4.92	25.5	192	--	3.6	6.82	11.9
<b>03/21</b>	120	0.14	8.8	172	11.4	150	1.24	153.9	8.10	8.62	--	782	808	19.1	18.9	441	--	2.4	2.34	14.19
<b>09/21</b>	67.7	0.26	33.2	33.7	7.68	80.3	0.343	294.5	7.09	7.67	--	268.2	271	13.1	21.9	144	--	6.2	5.21	15.7
<b>03/22</b>	70.5	0.12 J	5.1 J	157	7.68	146	1.33	294.5	7.09	7.82	--	268.2	692.6	13.8	21.9	375	--	3	2.65	15.7
<b>08/22</b>	120	0.04 J	17.3	99.4	8.16	193	1.07	76.6	7.77	7.97	--	591.0	600.5	22.1	21.4	348	--	2.2 U	0.949	50.40

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
04/01	0.0007 U	0.002 U	0.0247	0.0005 U	--	0.0006 U	--	0.002 U	0.002 U	0.0173	--	0.002 U	--	0.1234	0.0002 U
09/01	0.002 U	0.002 U	0.025	0.0017 U	--	0.0006 U	--	0.0012 U	0.002 U	0.0063	--	0.002 U	--	0.151	0.0001 U
03/02	0.0005 U	0.002 U	0.0854	0.0017 U	--	0.0006 U	--	0.0061	0.0071	0.0126	--	0.008	--	0.7204	0.0001 U
06/03	0.0007 U	0.002 U	0.0282	0.0004 U	--	0.0004 U	--	0.002 U	0.002 U	0.0172	--	0.002 U	--	0.115	0.0002 U
09/04	0.0028 U	0.0006 U	0.0252	0.0012 U	--	0.0003 U	--	0.002 U	0.0005 U	0.0133	--	0.002 U	--	0.2107	0.0001 U
04/05	0.0028 U	0.0006 U	0.0298	0.0012 U	--	0.0003 U	--	0.0042	0.002 U	0.0116	--	0.002	--	0.1439	0.0001 U
09/05	0.0028 U	0.002 U	0.0436	0.0012 U	--	0.0003 U	--	0.002 U	0.0023	0.0117	--	0.0028	--	0.7916	0.0001 U
04/06	0.0006 U	0.0006 U	0.0294	0.0007 U	--	0.0004 U	--	0.002 U	0.0005 U	0.0125	--	0.0023	--	0.0739	0.0001 U
09/06	0.0007 U	0.0008 U	0.0265	0.0009 U	--	0.0006 U	--	0.002 U	0.0005 U	0.0051	--	0.002 U	--	0.132	0.0002 U
04/07	0.0007 U	0.0008 U	0.0297	0.0009 U	0.0247	--	--	0.0026	0.002 U	0.0072	--	0.002 U	--	--	0.0002 U
10/07	0.0007 U	0.0008 U	0.049	0.0009 U	0.061	--	--	0.0021	0.002 U	0.007	--	0.002 U	--	--	0.0002 U
03/08	0.0005 U	0.0006 U	0.0305	0.001 U	0.02 U	--	--	0.002 U	0.002 U	0.0061	--	0.002 U	--	--	0.0002 U
09/08	0.001 U	0.0012 U	0.0405	0.002 U	0.0407	--	--	0.0016 U	0.0024 U	0.0056	--	0.002 U	--	--	0.0002 U
03/09	0.002 U	0.002 U	0.0513	0.0002 U	0.015	--	--	0.002 U	0.002 U	0.0064	--	0.002 U	--	--	0.0002 U
09/09	0.002 U	0.002 U	0.0365	0.002 U	--	0.002 U	16.2	0.002 U	0.002 U	0.0056	0.32	0.002 U	7.41	0.126	0.0002 U
08/10	0.001 U	0.0012	0.04	0.001 U	--	0.001 U	--	0.001 U	0.001 U	0.001	--	0.001 U	--	--	0.0002 U
09/10	0.005 U	0.005 U	0.0311	0.005 U	--	0.005 U	12.5	0.005 U	0.005 U	0.0066	0.863	0.005 U	6.23	0.155	0.0002 U
04/11	0.005 U	0.005 U	0.0387	0.005 U	--	0.005 U	11.8	0.005 U	0.005 U	0.0068	1.44	0.005 U	5.73	0.149	0.0002 U
09/11	0.005 U	0.005 U	0.0315	0.005 U	--	0.005 U	11.9	0.005 U	0.005 U	0.005	0.52	0.005 U	5.47	0.0565	0.0002 U
03/12	0.005 U	0.005 U	0.0346	0.005 U	--	0.005 U	14.2	0.005 U	0.005 U	0.00578	0.741	0.005 U	7.92	0.0786	0.0002 U
09/12	0.005 U	0.005 U	0.044	0.005 U	--	0.005 U	18.6	0.005 U	0.005 U	0.005 U	1.17	0.005 U	11.2	0.184	0.0002 U
03/13	0.005 U	0.005 U	0.0408	0.005 U	--	0.005 U	16.5	0.005 U	0.005 U	0.00609	0.759	0.005 U	8.71	0.115	0.0002 U
09/13	0.005 U	0.005 U	0.0391	0.005 U	--	0.005 U	17.5	0.005 U	0.005 U	0.00841	0.55	0.005 U	10.5	0.0977	0.0002 U
03/14	0.005 U	0.005 U	0.0505	0.005 U	--	0.005 U	16.4	0.005 U	0.005 U	0.005 U	0.464	0.005 U	9.32	0.107	0.0002 U
09/14	0.005 U	0.005 U	0.037	0.005 U	--	0.005 U	15.8	0.005 U	0.005 U	0.005 U	0.852	0.005 U	7.83	0.149	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location ST80 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>03/15</b>	0.002 U	0.002 U	0.043	0.002 U	--	0.004 U	14	0.01 U	0.01 U	0.0026 J	1	0.002 U	7.3	0.13	0.0002 U
<b>09/15</b>	0.001 U	0.001 U	0.04	0.001 U	--	0.0005 U	24	0.005 U	0.005 U	0.005 U	0.39	0.001 U	13	--	0.0002 U
<b>03/16</b>	0.002 U	0.002 U	0.0407	0.002 U	--	0.002 U	16.4	0.002 U	0.002 U	0.002 U	0.338	0.002 U	9.04	0.0959	0.0002 U
<b>09/16</b>	0.002 U	0.002 U	0.0384	0.002 U	--	0.002 U	15.9	0.002 U	0.002 U	0.002 U	0.813	0.002 U	8.13	0.299	0.0002 U
<b>03/17</b>	0.005 U	0.005 U	0.0465	0.005 U	--	0.005 U	21.7	0.005 U	0.005 U	0.00612	0.532	0.005 U	11.8	0.113	0.0002 U
<b>09/17</b>	0.005 U	0.005 U	0.0383	0.005 U	--	0.005 U	19.6	0.005 U	0.005 U	0.005 U	0.874	0.005 U	9.24	0.139	0.0002 U
<b>04/18</b>	0.005 U	0.005 U	0.0541	0.005 U	--	0.005 U	18.8	0.005 U	0.005 U	0.005 U	0.578	0.005 U	10.1	0.0883	0.0002 U
<b>09/18</b>	0.005 U	0.005 U	0.0349	0.005 U	--	0.005 U	11.7	0.005 U	0.005 U	0.005 U	1.29	0.005 U	5.54	0.22	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.0644	0.001 U	--	0.001 U	38.6	0.00986	0.00103	0.003	0.564	0.001 U	22.2	0.194	0.0001 U
<b>07/19</b>	0.001 U	0.001 U	0.0694	0.001 U	--	0.001 U	47.7 B	0.001 U	0.001 U	0.001 U	0.107	0.001 U	22.1	0.0424	0.0001 U
<b>03/20</b>	0.001 U	0.001 U	0.0738	0.001 U	--	0.001 U	43.2	0.00327	0.00102	0.001 U	0.359	0.001 U	24.1	0.249	0.0001 U
<b>08/20</b>	0.001 U	0.001 U	0.0411	0.001 U	--	0.001 U	15.7	0.001 U	0.001 U	0.001 U	1.09	0.001 U	11.1	0.473	0.0001 U
<b>03/21</b>	0.001 U	0.001 U	0.052	0.001 U	--	0.001 U	34	0.00776	0.001 U	0.00218	0.353	0.001 U	15.7	0.116	0.0001 U
<b>09/21</b>	0.001 U	0.001 U	0.0344	0.001 U	--	0.001 U	20.8	0.00281	0.001 U	0.00677	0.508	0.00203	6.9	0.208	0.0001 U
<b>03/22</b>	0.001 U	0.001 U	0.0535	0.001 U	--	0.001 U	31.9	0.00298 J	0.001 U	0.00106 J	0.346	0.001 U	16	0.108	0.0001 U
<b>08/22</b>	0.00100 U	0.00100 U	0.0620	0.00100 U	--	0.00100 U	49.3	0.00141 J	0.00100 U	0.00243 J	0.146	0.00100 U	16.9	0.0130	0.000100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Total Metals**

	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			0.05			0.002		
<b>04/01</b>	0.0032	--	0.0018 U	0.0052 U	--	0.0009 U	0.0022	0.01 U
<b>09/01</b>	0.003 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
<b>03/02</b>	0.0109	--	0.0009 U	0.0044 U	--	0.0009 U	0.0148	--
<b>06/03</b>	0.0037	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
<b>09/04</b>	0.0022	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
<b>04/05</b>	0.0055	--	0.001 U	0.0018 U	--	0.0006 U	0.0045	--
<b>09/05</b>	0.0053	--	0.001 U	0.0018 U	--	0.0006 U	0.003	--
<b>04/06</b>	0.0028	--	0.0015 U	0.0004 U	--	0.0004 U	0.0004 U	--
<b>09/06</b>	0.002 U	--	0.0008 U	0.0005 U	--	0.0007 U	0.002 U	--
<b>04/07</b>	0.0056	--	0.0008 U	0.0005 U	--	0.0007 U	0.0028	0.0091
<b>10/07</b>	0.0043	--	0.0008 U	0.0005 U	--	0.0007 U	0.002 U	0.0085
<b>03/08</b>	0.0036	--	0.002 U	0.0001 U	--	0.0001 U	0.002 U	0.0066
<b>09/08</b>	0.004 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
<b>03/09</b>	0.0035	--	0.002 U	0.0009 U	--	0.0002 U	0.002 U	0.0078
<b>09/09</b>	0.0042	3.08	0.002 U	0.002 U	17.4	0.002 U	0.002 U	0.01 U
<b>08/10</b>	0.0025	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.012
<b>09/10</b>	0.005 U	2.68	0.005 U	0.005 U	14	0.005 U	0.005 U	0.005 U
<b>04/11</b>	0.0055	2.16	0.005 U	0.005 U	14.6	0.005 U	0.005 U	0.00952
<b>09/11</b>	--	3.82	0.005 U	0.005 U	12.1	0.005 U	0.005 U	0.00561
<b>03/12</b>	--	2.57	0.005 U	0.005 U	28.2	0.005 U	0.005 U	0.00612
<b>09/12</b>	--	3.8	0.005 U	0.005 U	16.4	0.005 U	0.005 U	0.005 U
<b>03/13</b>	--	2.69	0.005 U	0.005 U	64.6	0.005 U	0.005 U	0.00635
<b>09/13</b>	--	3.86	0.005 U	0.005 U	17.2	0.005 U	0.005 U	0.0128
<b>03/14</b>	0.00506	2.53	0.005 U	0.005 U	110	0.005 U	0.005 U	0.00834
<b>09/14</b>	0.005 U	2.6	0.005 U	0.005 U	14.9	0.005 U	0.005 U	0.00786

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Total Metals**

	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			0.05			0.002		
<b>03/15</b>	0.0058 J	3	0.035 U	0.01 U	92	0.002 U	0.01 U	0.0073 J
<b>09/15</b>	0.01 U	3.2	0.005 U	0.001 U	24	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.00252	2.04	0.002 U	0.002 U	49.1	0.001 U	0.002 U	0.002 U
<b>09/16</b>	0.00333	3.15	0.002 U	0.002 U	14.2	0.001 U	0.002 U	0.00217
<b>03/17</b>	0.005 U	2.4	0.005 U	0.005 U	29.6	0.005 U	0.005 U	0.005 U
<b>09/17</b>	0.005 U	2.73	0.005 U	0.005 U	14.9	0.005 U	0.005 U	0.0167
<b>04/18</b>	0.005 U	2.22	0.005 U	0.005 U	84	0.005 U	0.005 U	0.0223
<b>09/18</b>	0.005 U	3.32	0.005 U	0.005 U	10.6	0.005 U	0.005 U	0.005 U
<b>04/19</b>	0.00462	6.73	0.001 U	0.001 U	63.7	0.001 U	0.001 U	0.00476
<b>07/19</b>	0.00235	6.98	0.001 U	0.001 U	48.7 B	0.001 U	0.001 U	0.004 U
<b>03/20</b>	0.00483	6.08	0.001 U	0.001 U	50.6	0.001 U	0.001 U	0.00408
<b>08/20</b>	0.00291	3.03	0.001 U	0.001 U	18	0.001 U	0.001 U	0.00423
<b>03/21</b>	0.001 U	5.95	0.001 U	0.001 U	79.1	0.001 U	0.001 U	0.00617
<b>09/21</b>	0.00594	3.79	0.001 U	0.001 U	16.6	0.001 U	0.00103	0.0129
<b>03/22</b>	0.0044 J	3.65	0.001 U	0.001 U	72.5	0.001 U	0.001 U	0.004 U
<b>08/22</b>	0.00268 J	6.67	0.00100 U	0.00100 U	39.8	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
	5	200	5	5	5	5	0.2	0.05	600	5	5	5	75						5		80
09/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
03/02	0.18 U	0.15 U	0.23 U	1 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	1 U	1.12	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U	0.18 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1.01	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	1 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	10 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U
09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.17 J	1 U	1 U	1 U	0.37 J	1 U	1 U	1 U	1 U
08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.49 J	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/12	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/12	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/13	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
09/13		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/14		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/15		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/16		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/17		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/18		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
04/19		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 U	5 U	5 U	5 U	10.4	5 U	1 U	1 U	1 U
07/19		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/20		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/20		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
03/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.046 U	0.018 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
09/21		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5.3	5 U	1 U	1 U	1 U
03/22		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	1 U
08/22		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.047 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
80	80	100	5	100	80	80	70	80	700	10000	80	700	10000	80	5	5	10000	100	5	1000	
<b>09/01</b>	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	0.26 U	0.28 U	0.17 U	--	0.22 U	5.23	0.27 U	0.21 U	1 U	0.24 U
<b>03/02</b>	0.14 U	0.15 U	0.38 U	0.15 U	1.09 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1 U	0.27 U	0.21 U	3.86 U	0.24 U
<b>06/03</b>	0.14 U	0.15 U	2.35 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	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
<b>09/04</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>04/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>09/05</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	2 U	0.28 U	--	0.25 U	0.34 U	1 U	0.25 U	1 U	0.32 U
<b>04/06</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>09/06</b>	0.27 U	1 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>04/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>10/07</b>	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
<b>03/08</b>	0.12 U	0.5 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	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.2 U	0.28 U
<b>09/08</b>	0.16 U	0.5 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
<b>03/09</b>	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
<b>09/09</b>	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/10</b>	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
<b>04/11</b>	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 U	2 U	1 U	1 U	--	1 U	1 U	1 U
<b>09/11</b>	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 U	2 U	1 U	1 U	--	1 U	1 U	1 U
<b>03/12</b>	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 U	1 U	1 U	1 U	--	1 U	1 U	0.72 U
<b>09/12</b>	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/13</b>	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

	MCL	80	80	5	100	80	80	70	80	700	10000	5	5	5	5	5	10000	100	5	1000		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
09/13		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/14		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/14		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/15		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/16		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/16		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/17		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/17		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/18		1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/22		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/22		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

	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	80	100			5			2	10000
<b>09/01</b>	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
<b>03/02</b>	--	0.22 U	0.13 U	0.14 U	1.61 U	1 U	--	--	--
<b>06/03</b>	--	0.22 U	0.13 U	1 U	1 U	0.18 U	--	--	--
<b>09/04</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/05</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/05</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/06</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>09/06</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>04/07</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>10/07</b>	--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U	--	0.32 U	--
<b>03/08</b>	0.05	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.03	0.14 U	0.13 U	--	0.13 U	0.1 U	--	0.18 U	--
<b>03/09</b>	0.03	0.14 U	0.13 U	--	0.13 U	0.1 U	--	0.18 U	--
<b>09/09</b>	--	1 U	1 U	1 U	1 U	1 U	--	1 U	--
<b>08/10</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--
<b>04/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1.6
<b>09/12</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

	MCL	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)
	80	100				5			2	10000
<b>09/13</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/14</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/14</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/15</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/16</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>03/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/17</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>09/18</b>	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U	1 U
<b>04/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/19</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/20</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>09/21</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/22</b>	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>04/01</b>	--	--	--	90.1272	--	--	1.0604	--	--	--	--	--	--	--	--	--	--	--	5.8	--
<b>09/01</b>	--	--	--	41.5739	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.5	--
<b>03/02</b>	--	--	--	225.473	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.74	--
<b>06/03</b>	--	--	--	65.766	--	--	--	--	--	--	0.0104	--	--	--	--	--	0.022	--	4.3	--
<b>09/04</b>	--	--	--	--	--	--	--	--	--	--	0.0152	--	--	--	--	--	0.01 U	--	--	--
<b>04/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	--	--
<b>09/05</b>	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--	--	--	0.026	--	--	--
<b>04/06</b>	--	--	--	--	--	--	--	--	--	--	0.014	--	--	--	--	--	0.047	--	--	--
<b>09/06</b>	--	--	--	--	--	--	--	--	--	--	0.012	--	--	--	--	--	0.035	--	--	--
<b>04/07</b>	--	--	--	--	--	--	--	--	--	--	0.02	--	--	--	--	--	0.01 U	--	--	--
<b>10/07</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>03/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/08</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U	--	--	--
<b>09/09</b>	64	0.2 U	4.6 J	--	--	340	1.029	--	--	--	--	--	--	7.6	--	244	--	--	2.12	--
<b>09/10</b>	70	0.2 U	11.1	93.2	--	180	0.792	--	--	--	--	--	--	13.5	--	376	--	--	2.4	--
<b>04/11</b>	60	0.2 U	15.1	102 J	--	113	0.787	--	--	--	--	--	--	7.5	--	372	--	--	3.86	--
<b>09/11</b>	49	0.2 U	11.9	50.1	--	73	0.581	--	--	--	--	--	--	6.45	--	208	--	--	--	--
<b>03/12</b>	52	0.2 U	9.7	110	--	98	1.33	--	--	--	--	--	--	7.76	--	284	--	--	--	--
<b>09/12</b>	72	0.2 U	10 U	47	--	100	1.3	--	--	--	--	--	--	5.56	--	228	--	--	--	--
<b>03/13</b>	56	0.2 U	25.8	335	15.42	130	1.2	361	7.35	--	--	1.297	--	7.85	7.42	660	--	--	--	5
<b>09/13</b>	57	0.2 U	10 U	67.8	11.51	120	0.812	287	7.40	--	--	340	--	8.37	17.95	272	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - General Parameters**

	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)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cr)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
<b>MCL</b>							10													
<b>03/14</b>	64	0.2 U	14.3	928	14.45	208	1.38	426	7.34	--	--	2780	--	24.8	5.8	1676	--	--	--	9.8
<b>09/14</b>	60	0.2 U	22.8	77.4	8.37	130	0.539	--	6.62	--	--	377.9	--	8.87	19.43	268	--	--	--	--
<b>03/15</b>	56	0.2 U	10 U	332	12.92	138	1.61	260	7.64	--	--	1092	--	14	9.24	740	--	--	--	5.8
<b>09/15</b>	68	0.244	10 U	117	7.63	174	1.2	--	6.80	--	--	519.6	--	10.2	20.52	307	--	--	--	--
<b>03/16</b>	62	0.2 U	10 U	217	10.94	160	1.42	--	7.39	--	--	755.1	--	13.1	9.7	434	--	--	--	1.8
<b>08/16</b>	60	0.2 U	10 U	94.2	7.56	188	1.24	186	7.21	--	--	432	--	10.4	22.5	268	--	--	--	0
<b>03/17</b>	82	0.2 U	10 U	159	11.7	186	1.33	348	7.01	--	--	457.7	--	14.6	10.3	318	--	--	--	1.7
<b>09/17</b>	66	0.2 U	10.3	80.4	9.72	230	1.14	236	7.64	--	--	401.1	--	9.6	18.97	301	--	--	--	0
<b>03/18</b>	60	0.2 U	10 U	366	11.81	190	1.38	123	7.46	--	--	1135	--	15.2	7.39	765	--	--	--	0.6
<b>09/18</b>	41.4	0.2 U	11.8	37.8	8.34	64	0.553	79	7.17	--	--	202.2	--	5.77	19.37	137	--	--	--	0.1
<b>04/19</b>	69.4	0.1 U	10.9	182	10.05	173	1.8	98.5	7.04	7.33	--	684	729	15.5	13.8	435	--	3.1	2.17	2
<b>08/19</b>	69.5	0.18	16.7	116	8.06	153	1.6	107	7.12	7.06	--	5.26	521	12.8	21.7	336	--	2.5 U	1.78	4.6
<b>03/20</b>	60.2	0.1 U	6.1	113	0.53	152	1.8	202	6.39	6.91	--	410.5	507	12.3	9.2	276	--	2.3 U	2.04	2.3
<b>07/20</b>	53.5	0.1 U	16.5	91.9	7.36	139	0.76	159.2	7.53	6.92	--	491.2	544	8.37	24.4	284	--	6.6	1.12	39.6
<b>03/21</b>	64.7	0.1 U	8.9	314	12.09	160	1.54	120.6	6.57	7.25	--	1005	1190	15.4	8.4	626	--	4.1	2.56	2.51
<b>08/21</b>	68.2	0.05 U	18.4	98	7.39	140	1.28	181.8	8.18	7.21	--	458.6	461	10.1	23.8	229	--	2.3 U	2.8	6.5
<b>04/22</b>	70	0.02 J	5.2 J	189	7.39	177	1.22	181.8	8.18	7.41	--	458.6	801.4	13.2	23.8	362	--	2.3 U	2.01	6.5
<b>08/22</b>	70.4	0.05 J	22.3	136	7.74	176	0.749	173.1	7.23	7.39	--	623.0	611.8	10.8	23.0	322	--	3.5	3.06	60.50

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
04/01	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	--	0.0753	0.0001 U
09/01	0.002 U	0.0007 U	0.0335	0.0017 U	--	0.0006 U	--	0.0012 U	0.002 U	0.0084	--	0.002 U	--	0.0968	0.0001 U
03/02	0.0005 U	0.002 U	0.0475	0.0017 U	--	0.002 U	--	0.0024	0.002 U	0.009	--	0.002 U	--	0.1685	0.0001 U
06/03	0.0007 U	0.002 U	0.034	0.0004 U	--	0.0004 U	--	0.002 U	0.002 U	0.0167	--	0.002 U	--	0.1527	0.0002 U
09/04	0.0028 U	0.0006 U	0.034	0.0012 U	--	0.0003 U	--	0.002 U	0.002 U	0.0112	--	0.002 U	--	0.0878	0.0001 U
04/05	0.0028 U	0.0006 U	0.0321	0.0012 U	--	0.0003 U	--	0.002 U	0.002 U	0.01	--	0.002 U	--	0.0937	0.0002 U
09/05	0.0028 U	0.0006 U	0.0447	0.0012 U	--	0.002 U	--	0.0021	0.002 U	0.0116	--	0.0031	--	0.2585	0.0006
04/06	0.002 U	0.0006 U	0.0705	0.0007 U	--	0.0004 U	--	0.0021	0.002 U	0.0105	--	0.0028	--	0.2074	0.0001 U
09/06	0.0007 U	0.002 U	0.0582	0.0009 U	--	0.0006 U	--	0.0026	0.002 U	0.0085	--	0.002 U	--	0.2912	0.0002 U
04/07	0.0007 U	0.002 U	0.0288	0.0009 U	0.02 U	--	--	0.0027	0.002 U	0.0104	--	0.0021	--	--	0.0002 U
10/07	0.0007 U	0.0008 U	0.0431	0.0009 U	0.045	--	--	0.002 U	0.002 U	0.0066	--	0.002 U	--	--	0.0002 U
03/08	0.0005 U	0.0006 U	0.0433	0.001 U	0.0379	--	--	0.0008 U	0.0012 U	0.0094	--	0.001 U	--	--	0.0002 U
09/08	0.001 U	0.0012 U	0.0373	0.002 U	0.0906	--	--	0.0016 U	0.0024 U	0.0089	--	0.004 U	--	--	0.0002 U
03/09	0.002 U	0.002 U	0.1051	0.0002 U	0.0307	--	--	0.002 U	0.002 U	0.0152	--	0.002 U	--	--	0.0002 U
09/09	0.002 U	0.002 U	0.0392	0.002 U	--	0.002 U	25.7	0.002 U	0.002 U	0.0056	0.525	0.002 U	12.3	0.0634	0.0002 U
08/10	0.001 U	0.0007 J	0.041	0.001 U	--	0.001 U	--	0.001 U	0.001 U	0.0007 J	--	0.001 U	--	--	0.0002 U
09/10	0.005 U	0.005 U	0.0482	0.005 U	--	0.005 U	31.6	0.005 U	0.005 U	0.0068	0.705	0.005 U	16.3	0.0817	0.0002 U
04/11	0.005 U	0.005 U	0.046	0.005 U	--	0.005 U	23.1 J	0.005 U	0.005 U	0.0052	0.661	0.005 U	14.2 J	0.126	0.0002 U
09/11	0.005 U	0.005 U	0.0357	0.005 U	--	0.005 U	33.4	0.005 U	0.005 U	0.00623	0.75	0.00528	12.6	0.051	0.0002 U
03/12	0.005 U	0.005 U	0.0397	0.005 U	--	0.005 U	23.3	0.005 U	0.005 U	0.00914	0.474	0.005 U	11.5	0.0853	0.0002 U
09/12	0.005 U	0.005 U	0.0423	0.005 U	--	0.005 U	24.9	0.005 U	0.005 U	0.005 U	0.704	0.005 U	14.2	0.117	0.0002 U
03/13	0.005 U	0.005 U	0.0559	0.005 U	--	0.005 U	29.6	0.005 U	0.005 U	0.0151	0.639	0.005 U	14.8	0.0907	0.0002 U
09/13	0.005 U	0.005 U	0.044	0.005 U	--	0.005 U	27.4	0.005 U	0.005 U	0.005 U	0.579	0.005 U	12.9	0.0795	0.0002 U
03/14	0.005 U	0.005 U	0.0927	0.005 U	--	0.005 U	46.1	0.005 U	0.005 U	0.00839	0.876	0.005 U	22.5	0.128	0.0002 U
09/14	0.005 U	0.005 U	0.0514	0.005 U	--	0.005 U	27.6	0.005 U	0.005 U	0.005 U	1.03	0.005 U	13.2	0.155	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

	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)	Manganese, Total (mg/L)	Mercury, Total (mg/L)
MCL	0.006	0.01	2	0.004		0.005		0.1				0.015			0.002
<b>03/15</b>	0.002 U	0.002 U	0.047	0.002 U	--	0.004 U	28	0.01 U	0.01 U	0.0031 J	0.47	0.002 U	13	0.14	0.0002 U
<b>09/15</b>	0.001 U	0.001 U	0.053	0.001 U	--	0.0005 U	39	0.005 U	0.005 U	0.005 U	0.32	0.001 U	21	--	0.0002 U
<b>03/16</b>	0.005 U	0.005 U	0.0667	0.005 U	--	0.005 U	--	0.005 U	0.005 U	0.005 U	--	0.005 U	--	0.126	0.0002 U
<b>08/16</b>	0.002 U	0.002 U	0.0454	0.002 U	--	0.002 U	29.3	0.002 U	0.002 U	0.002 U	0.447	0.002 U	15.6	0.0591	0.0002 U
<b>03/17</b>	0.005 U	0.005 U	0.0629	0.005 U	--	0.005 U	41	0.005 U	0.005 U	0.005 U	0.755	0.005 U	21.5	0.0942	0.0002 U
<b>09/17</b>	0.002 U	0.002 U	0.0422	0.002 U	--	0.002 U	28.4	0.002 U	0.002 U	0.002 U	1.01	0.002 U	13.9	0.0711	0.0002 U
<b>03/18</b>	0.002 U	0.002 U	0.0607	0.002 U	--	0.002 U	37.5	0.002 U	0.002 U	0.002 U	0.271	0.002 U	17.6	0.136	0.0002 U
<b>09/18</b>	0.005 U	0.005 U	0.0214	0.005 U	--	0.005 U	15.7	0.005 U	0.005 U	0.005 U	0.379	0.005 U	6.04	0.0329	0.0002 U
<b>04/19</b>	0.001 U	0.001 U	0.0551	0.001 U	--	0.001 U	31.4	0.001 U	0.001 U	0.00167	0.345	0.001 U	22.9	0.116	0.0001 U
<b>08/19</b>	0.001 U	0.001 U	0.0523	0.001 U	--	0.001 U	29.2	0.001 U	0.001 U	0.001 U	0.378	0.001 U	19.5	0.132	0.0001 U
<b>03/20</b>	0.001 U	0.001 U	0.0453	0.001 U	--	0.001 U	28.4	0.001 U	0.001 U	0.001 U	0.298	0.001 U	19.6	0.0872	0.0001 U
<b>07/20</b>	0.001 U	0.001 U	0.0549	0.001 U	--	0.001 U	26.7	0.001 U	0.001 U	0.00132	0.35	0.001 U	17.4	0.0637	0.0001 U
<b>03/21</b>	0.001 U	0.001 U	0.0585	0.001 U	--	0.001 U	31	0.001 U	0.001 U	0.00102 B	0.329	0.001 U	20	0.119	0.0001 U
<b>08/21</b>	0.001 U	0.001 U	0.046	0.001 U	--	0.001 U	28.2	0.001 U	0.001 U	0.001 U	0.582	0.001 U	16.8	0.0584	0.0001 U
<b>04/22</b>	0.001 U	0.001 U	0.0539	0.001 U	--	0.001 U	37.6	0.001 U	0.001 U	0.001 U	0.454	0.001 U	20.1	0.157	0.0001 U
<b>08/22</b>	0.00100 U	0.00100 U	0.0569	0.00100 U	--	0.00100 U	35.5	0.00100 U	0.00100 U	0.00117 J	0.489	0.00100 U	21.3	0.0407	0.000100 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

	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			0.05			0.002		
04/01	0.004	--	0.0018 U	0.0052 U	--	0.0009 U	0.0006 U	0.01 U
09/01	0.01 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.002 U	--
03/02	0.01 U	--	0.002 U	0.0044 U	--	0.0009 U	0.0007 U	--
06/03	0.0076	--	0.0012 U	0.0096 U	--	0.001 U	0.002 U	--
09/04	0.0055	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
04/05	0.0072	--	0.001 U	0.0018 U	--	0.0006 U	0.002 U	--
09/05	0.008	--	0.001 U	0.0018 U	--	0.0006 U	0.004	--
04/06	0.0104	--	0.0015 U	0.0004 U	--	0.0004 U	0.002 U	--
09/06	0.0082	--	0.0008 U	0.0005 U	--	0.0007 U	0.0033	--
04/07	0.0116	--	0.0008 U	0.0005 U	--	0.0007 U	0.0028	0.0215
10/07	0.0077	--	0.002 U	0.0005 U	--	0.0007 U	0.002 U	0.0055
03/08	0.0078	--	0.002 U	0.0008 U	--	0.0006 U	0.0006 U	0.01 U
09/08	0.006	--	0.0018 U	0.0016 U	--	0.0012 U	0.0012 U	0.02 U
03/09	0.0113	--	0.002 U	0.0009 U	--	0.0002 U	0.002 U	--
09/09	0.0066	1.88	0.002 U	0.002 U	27.5	0.002 U	0.0002 J	0.01 U
08/10	0.005	--	0.001 U	0.001 U	--	0.001 U	0.005 U	0.011
09/10	0.0066	3.02	0.005 U	0.005 U	34	0.005 U	0.005 U	0.005 U
04/11	0.0098	2.51	0.005 U	0.005 U	53.7	0.005 U	0.005 U	0.00891
09/11	--	3.08	0.005 U	0.005 U	34.5	0.005 U	0.005 U	0.00844
03/12	--	2.25	0.005 U	0.005 U	65.1	0.005 U	0.005 U	0.0106
09/12	--	2.2	0.005 U	0.005 U	15.3	0.005 U	0.005 U	0.005 U
03/13	--	3.01	0.005 U	0.005 U	181	0.005 U	0.005 U	0.00746
09/13	--	2.67	0.005 U	0.005 U	19.8	0.005 U	0.005 U	0.00635
03/14	0.0146	6.08	0.005 U	0.005 U	561	0.005 U	0.005 U	0.0157
09/14	0.00553	2.77	0.005 U	0.005 U	24.5	0.005 U	0.005 U	0.00582

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

	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			0.05			0.002		
<b>03/15</b>	0.011 U	2.8	0.035 U	0.01 U	210	0.002 U	0.01 U	0.0084 J
<b>09/15</b>	0.01 U	3	0.005 U	0.001 U	34	0.001 U	0.005 U	0.005 U
<b>03/16</b>	0.0108	2.38	0.005 U	0.005 U	--	0.005 U	0.005 U	0.00859
<b>08/16</b>	0.00312	2.22	0.002 U	0.002 U	24.3	0.001 U	0.002 U	0.002 U
<b>03/17</b>	0.0107	2.51	0.005 U	0.005 U	52	0.005 U	0.005 U	0.005 U
<b>09/17</b>	0.00432	2.39	0.002 U	0.002 U	24.5	0.001 U	0.002 U	0.00358
<b>03/18</b>	0.00877	2.35	0.002 U	0.002 U	197	0.001 U	0.002 U	0.00804
<b>09/18</b>	0.005 U	2.64	0.005 U	0.005 U	15.3	0.005 U	0.005 U	0.005 U
<b>04/19</b>	0.00916	2.28	0.001 U	0.001 U	71.4	0.001 U	0.001 U	0.0089
<b>08/19</b>	0.00395	2.91	0.001 U	0.001 U	34.4	0.001 U	0.001 U	0.004 U
<b>03/20</b>	0.00605	2.3	0.001 U	0.001 U	37.6	0.001 U	0.001 U	0.00461
<b>07/20</b>	0.00418	3.12	0.001 U	0.001 U	29.4	0.001 U	0.001 U	0.004 U
<b>03/21</b>	0.00802	2.37	0.001 U	0.001 U	148	0.001 U	0.001 U	0.00574
<b>08/21</b>	0.00348	3.07	0.001 U	0.001 U	29.4	0.001 U	0.00124	0.004 U
<b>04/22</b>	0.00846 J	2.37	0.001 U	0.001 U	79.2	0.001 U	0.001 U	0.004 U
<b>08/22</b>	0.00481 J	3.23	0.00100 U	0.00100 U	43.8	0.00100 U	0.00100 U	0.00400 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
09/01	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
03/02	0.18 U	0.15 U	0.23 U	0.22 U	1 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	1 U	--	0.21 U	0.2 U
06/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.21 U	0.14 U	0.2 U	10 U	0.17 U	0.21 U	10 U	--	0.18 U	--	0.15 U	--	0.21 U	0.2 U
09/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1.39	--	0.39 U	--	0.28 U	0.34 U
04/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	1 U	--	0.39 U	--	0.28 U	0.34 U
09/05	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	--	0.27 U	0.34 U	--	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
09/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
04/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.4 U	0.33 U	0.28 U	10 U	0.27 U	0.34 U	10 U	1 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1 U	0.37 U	0.4 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.44 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U
03/08	0.18 U	0.18 U	0.21 U	0.23 U	0.5 U	0.18 U	0.14 U	0.24 U	0.16 U	10 U	0.18 U	0.17 U	0.23 U	--	--	--	--	--	0.24 U	0.12 U
09/08	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	0.1 U	0.13 U	0.5 U	10 U	--	--	--	--	--	0.09 U	0.14 U
03/09	0.12 U	0.17 U	0.14 U	0.17 U	0.5 U	0.15 U	0.17 U	0.2 U	0.08 U	10 U	0.13 U	0.15 U	10 U	--	--	--	--	--	0.09 U	0.14 U
09/09	1 U	1 U	1 U	1 U	0.36 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.33 J	1 U	1 U	1 U	0.17 J	1 U	1 U	1 U
08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	5 U	5 U	5 U	10 U	1 U	1 U
09/10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
04/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/11	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/12	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
09/12	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
03/13	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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

	MCL	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (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)	1,4-Dichlorobenzene (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)
<b>09/13</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/14</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/15</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/16</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/17</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>09/18</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/19</b>		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 U	5 U	5 U	5 U	5.1	5 U	1 U	1 U
<b>08/19</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/20</b>		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 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>07/20</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>03/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/21</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.047 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>04/22</b>		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.048 U	0.019 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U
<b>08/22</b>		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.048 U	0.019 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

MCL	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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
80	80	80	5	100	5	100	80	80	70	80	700	10000	5	10000	100	5	10000	100	5	5	
<b>09/01</b>	0.18 U	0.14 U	1 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	4.8	0.27 U	0.21 U	1.22
<b>03/02</b>	0.18 U	0.14 U	1 U	0.38 U	0.15 U	0.28 U	0.2 U	1 U	0.21 U	1 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.79
<b>06/03</b>	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 U	0.19 U	0.17 U	0.26 U	1 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.39
<b>09/04</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
<b>04/05</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
<b>09/05</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	1.22	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
<b>04/06</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
<b>09/06</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.52	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.65
<b>04/07</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.4 U	1 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1 U
<b>10/07</b>	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.4 U	0.31 U	0.27 U	0.25 U	2.99	0.29 U	0.27 U	0.23 U	0.4 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.56
<b>03/08</b>	0.19 U	0.12 U	0.5 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	1.22	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.2 U	0.81
<b>09/08</b>	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	2.1	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	1.25
<b>03/09</b>	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U	0.12 U	0.2 U	1.15	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.2 U	0.17 U	0.11 U	0.11 U	0.68
<b>09/09</b>	1 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1.54	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.62 J
<b>08/10</b>	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	2 U	20 U	--	1 U	1 U	1 U	1 U	1 U
<b>09/10</b>	2 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	0.87 J	1.26 J	2 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	1.1 J
<b>04/11</b>	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	4.9	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
<b>09/11</b>	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 U	--	1 U	2 U	1 U	1 U	--	1 U	1 U
<b>03/12</b>	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.79	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U
<b>09/12</b>	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/13</b>	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

	MCL	80	80		5	100		80		70		80	700	10000			5	10000	100	5		
		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)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
09/13		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2.26	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U
03/14		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/14		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.33	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/15		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/15		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.13	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/16		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
08/16		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/17		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1.09	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/17		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
03/18		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
09/18		1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
04/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/19		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/20		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
03/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/21		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22		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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/22		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>09/01</b>	0.24 U--	0.22 U	0.13 U	1 U	1 U	1 U	0.18 U--	--	--	--
<b>03/02</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	1 U	1 U	--	--	--
<b>06/03</b>	0.24 U--	0.22 U	0.13 U	0.14 U	1 U	1 U	0.18 U--	--	--	--
<b>09/04</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	1 U	0.36 U--	0.32 U--	--	--
<b>04/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	0.36 U--	0.32 U--	--	--
<b>09/05</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1 U	1 U	0.36 U--	0.32 U--	--	--
<b>04/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	0.36 U--	0.32 U--	--	--
<b>09/06</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1.33	0.36 U--	1 U	--	--	--
<b>04/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	0.31 U	0.36 U--	0.36 U--	0.32 U--	--	--
<b>10/07</b>	0.32 U--	0.45 U	0.24 U	0.3 U	1.4	0.36 U--	0.36 U--	0.32 U--	--	--
<b>03/08</b>	0.28 U	0.16	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
<b>09/08</b>	0.12 U	0.02	0.14 U	0.13 U	--	0.93	0.1 U	--	0.5 U	--
<b>03/09</b>	0.12 U	0.11	0.14 U	0.13 U	--	0.51	0.1 U	--	0.18 U	--
<b>09/09</b>	1 U	--	1 U	1 U	1 U	0.88 J	1 U	--	1 U	--
<b>08/10</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	--
<b>09/10</b>	2 U	--	2 U	2 U	2 U	0.9 J	2 U	2 U	2 U	--
<b>04/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>09/11</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
<b>03/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	0.91
<b>09/12</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/13</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

	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	1000	80	100			5			2	10000
<b>09/13</b>	1 U	--	1 U	1 U	5 U	1.01	1 U	5 U	1 U	1 U
<b>03/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/14</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/15</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>08/16</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/17</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>03/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>09/18</b>	1 U	--	1 U	1 U	5 U	1 U	1 U	5 U	1 U	1 U
<b>04/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/19</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>07/20</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>03/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/21</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>04/22</b>	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<b>08/22</b>	1.0 U	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill  
Monitoring Location SW-1 - Total Metals**

MCL	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)	Silver, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
0.006	0.001	0.0007	0.039	0.001	0.001	0.001	0.001	0.001	0.001	0.0002	0.0047	0.001	0.001	0.001	0.005	0.011

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-1 - Volatile Organic Compounds**

08/10	MCL	Compound Name (ug/L)
1 U	1	1,1,1,2-Tetrachloroethane (ug/L)
1 U	200	1,1,1-Trichloroethane (ug/L)
1 U	1	1,1,2,2-Tetrachloroethane (ug/L)
1 U	5	1,1,2-Trichloroethane (ug/L)
1 U	1	1,1-Dichloroethane (ug/L)
1 U	5	1,1-Dichloroethene (ug/L)
1 U	1	1,2,3-Trichloropropane (ug/L)
10 U	0.2	1,2-Dibromo-3-chloropropane (ug/L)
1 U	0.05	1,2-Dibromoethane (ug/L)
1 U	600	1,2-Dichlorobenzene (ug/L)
1 U	5	1,2-Dichloroethane (ug/L)
1 U	5	1,2-Dichloropropane (ug/L)
1 U	5	1,4-Dichlorobenzene (ug/L)
10 U	2	2-Butanone (ug/L)
5 U	2	2-Hexanone (ug/L)
5 U	4	4-Methyl-2-Pentanone (ug/L)
5 U		Acetone (ug/L)
10 U		Acrylonitrile (ug/L)
1 U	5	Benzene (ug/L)
1 U		Bromochloromethane (ug/L)
1 U	80	Bromodichloromethane (ug/L)
5 U	80	Bromoform (ug/L)
1 U		Bromomethane (ug/L)
1 U		Carbon Disulfide (ug/L)
1 U	5	Carbon Tetrachloride (ug/L)
1 U	100	Chlorobenzene (ug/L)
1 U		Chloroethane (ug/L)
1 U	80	Chloroform (ug/L)
1 U		Chloromethane (ug/L)
1 U	5	cis-1,2-Dichloroethene (ug/L)
1 U		cis-1,3-Dichloropropene (ug/L)
1 U	80	Dibromochloromethane (ug/L)

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-1 - Volatile Organic Compounds**

Compound	MCL	08/10
Ethylbenzene (ug/L)	700	1 U
m&p-Xylene (ug/L)	10000	2 U
Methyl Iodide (ug/L)		20 U
Methylene Bromide (ug/L)		1 U
Methylene Chloride (ug/L)	5	1 U
o-Xylene (ug/L)	10000	1 U
Styrene (ug/L)	100	1 U
Tetrachloroethene (ug/L)	5	0.6 J
Toluene (ug/L)	1000	1 U
trans-1,2-Dichloroethene (ug/L)	100	1 U
trans-1,3-Dichloropropene (ug/L)		1 U
trans-1,4-Dichloro-2-butene (ug/L)		5 U
Trichloroethene (ug/L)	5	0.5 J
Trichlorofluoromethane (ug/L)		1 U
Vinyl Acetate (ug/L)		1 U
Vinyl Chloride (ug/L)	5	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-2 - Total Metals**

MCL	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)	Silver, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
0.006	0.001	0.0008	0.041	0.001	0.001	0.001	0.0005	0.0008	0.001	0.0002	0.0052	0.001	0.001	0.001	0.005	0.012

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-2 - Volatile Organic Compounds**

08/10	MCL	Compound Name (ug/L)
1 U	1	1,1,1,2-Tetrachloroethane (ug/L)
1 U	200	1,1,1-Trichloroethane (ug/L)
1 U	1	1,1,2,2-Tetrachloroethane (ug/L)
1 U	5	1,1,2-Trichloroethane (ug/L)
1 U	1	1,1-Dichloroethane (ug/L)
1 U	5	1,1-Dichloroethene (ug/L)
1 U	1	1,2,3-Trichloropropane (ug/L)
10 U	0.2	1,2-Dibromo-3-chloropropane (ug/L)
1 U	0.05	1,2-Dibromoethane (ug/L)
1 U	600	1,2-Dichlorobenzene (ug/L)
1 U	5	1,2-Dichloroethane (ug/L)
1 U	5	1,2-Dichloropropane (ug/L)
1 U	5	1,4-Dichlorobenzene (ug/L)
10 U	2	2-Butanone (ug/L)
5 U	2	2-Hexanone (ug/L)
5 U	4	4-Methyl-2-Pentanone (ug/L)
5 U	Acetone	(ug/L)
10 U	Acrylonitrile	(ug/L)
1 U	5	Benzene (ug/L)
1 U	1	Bromochloromethane (ug/L)
1 U	80	Bromodichloromethane (ug/L)
5 U	80	Bromoform (ug/L)
1 U	1	Bromomethane (ug/L)
1 U	1	Carbon Disulfide (ug/L)
1 U	5	Carbon Tetrachloride (ug/L)
1 U	100	Chlorobenzene (ug/L)
1 U	1	Chloroethane (ug/L)
1 U	80	Chloroform (ug/L)
1 U	1	Chloromethane (ug/L)
1 U	5	cis-1,2-Dichloroethene (ug/L)
1 U	1	cis-1,3-Dichloropropene (ug/L)
1 U	80	Dibromochloromethane (ug/L)

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-2 - Volatile Organic Compounds**

08/10	MCL	Concentration (ug/L)	Unit
	700	Ethylbenzene (ug/L)	1 U
	10000	m&p-Xylene (ug/L)	2 U
		Methyl Iodide (ug/L)	20 U
		Methylene Bromide (ug/L)	1 U
	5	Methylene Chloride (ug/L)	1 U
	10000	o-Xylene (ug/L)	1 U
	100	Styrene (ug/L)	1 U
	5	Tetrachloroethene (ug/L)	1 U
	1000	Toluene (ug/L)	1 U
	100	trans-1,2-Dichloroethene (ug/L)	1 U
		trans-1,3-Dichloropropene (ug/L)	1 U
		trans-1,4-Dichloro-2-butene (ug/L)	5 U
	5	Trichloroethene (ug/L)	1 U
		Trichlorofluoromethane (ug/L)	1 U
		Vinyl Acetate (ug/L)	1 U
	2	Vinyl Chloride (ug/L)	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-3 - Total Metals**

MCL	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)	Silver, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
<b>08/10</b>	0.006	0.01	2	0.004	0.005	0.1	0.039	0.009	0.0013	0.0002	0.056	0.001	0.001	0.001	0.0026	0.015

Shaded concentrations represent MCL/GWPS exceedances



**Gude Landfill**  
**Monitoring Location SW-3 - Volatile Organic Compounds**

08/10	MCL	Compound Name (ug/L)
1 U	1	1,1,1,2-Tetrachloroethane (ug/L)
1 U	200	1,1,1-Trichloroethane (ug/L)
1 U	1	1,1,2,2-Tetrachloroethane (ug/L)
1 U	5	1,1,2-Trichloroethane (ug/L)
1 U	1	1,1-Dichloroethane (ug/L)
1 U	5	1,1-Dichloroethene (ug/L)
1 U	1	1,2,3-Trichloropropane (ug/L)
10 U	0.2	1,2-Dibromo-3-chloropropane (ug/L)
1 U	0.05	1,2-Dibromoethane (ug/L)
1 U	600	1,2-Dichlorobenzene (ug/L)
1 U	5	1,2-Dichloroethane (ug/L)
1 U	5	1,2-Dichloropropane (ug/L)
1 U	5	1,4-Dichlorobenzene (ug/L)
10 U	2	2-Butanone (ug/L)
5 U	2	2-Hexanone (ug/L)
5 U	4	4-Methyl-2-Pentanone (ug/L)
5 U		Acetone (ug/L)
10 U		Acrylonitrile (ug/L)
1 U	5	Benzene (ug/L)
1 U		Bromochloromethane (ug/L)
1 U	80	Bromodichloromethane (ug/L)
5 U	80	Bromoform (ug/L)
1 U		Bromomethane (ug/L)
1 U		Carbon Disulfide (ug/L)
1 U	5	Carbon Tetrachloride (ug/L)
1 U	100	Chlorobenzene (ug/L)
1 U		Chloroethane (ug/L)
1 U	80	Chloroform (ug/L)
1 U		Chloromethane (ug/L)
1 U	5	cis-1,2-Dichloroethene (ug/L)
1 U	20	cis-1,3-Dichloropropene (ug/L)
1 U	80	Dibromochloromethane (ug/L)

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-3 - Volatile Organic Compounds**

08/10	MCL	Concentration (ug/L)	Unit
	700	Ethylbenzene (ug/L)	1 U
	10000	m&p-Xylene (ug/L)	2 U
		Methyl Iodide (ug/L)	20 U
		Methylene Bromide (ug/L)	1 U
	5	Methylene Chloride (ug/L)	1 U
	10000	o-Xylene (ug/L)	1 U
	100	Styrene (ug/L)	1 U
	5	Tetrachloroethene (ug/L)	1 U
	1000	Toluene (ug/L)	1 U
	100	trans-1,2-Dichloroethene (ug/L)	1 U
		trans-1,3-Dichloropropene (ug/L)	1 U
		trans-1,4-Dichloro-2-butene (ug/L)	5 U
	5	Trichloroethene (ug/L)	1 U
		Trichlorofluoromethane (ug/L)	1 U
		Vinyl Acetate (ug/L)	1 U
	2	Vinyl Chloride (ug/L)	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-4 - Total Metals**

MCL	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)	Silver, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
0.006	0.001	0.0007	0.056	0.001	0.001	0.001	0.0008	0.0015	0.001	0.0002	0.0066	0.001	0.001	0.001	0.005	0.014

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-4 - Volatile Organic Compounds**

08/10	MCL	Compound Name (ug/L)
1 U	1	1,1,1,2-Tetrachloroethane (ug/L)
1 U	200	1,1,1-Trichloroethane (ug/L)
1 U	1	1,1,2,2-Tetrachloroethane (ug/L)
1 U	5	1,1,2-Trichloroethane (ug/L)
1 U	1	1,1-Dichloroethane (ug/L)
1 U	5	1,1-Dichloroethene (ug/L)
1 U	1	1,2,3-Trichloropropane (ug/L)
10 U	0.2	1,2-Dibromo-3-chloropropane (ug/L)
1 U	0.05	1,2-Dibromoethane (ug/L)
1 U	600	1,2-Dichlorobenzene (ug/L)
1 U	5	1,2-Dichloroethane (ug/L)
1 U	5	1,2-Dichloropropane (ug/L)
1 U	5	1,4-Dichlorobenzene (ug/L)
10 U	2	2-Butanone (ug/L)
5 U	2	2-Hexanone (ug/L)
5 U	4	4-Methyl-2-Pentanone (ug/L)
5 U		Acetone (ug/L)
10 U		Acrylonitrile (ug/L)
1 U	5	Benzene (ug/L)
1 U		Bromochloromethane (ug/L)
1 U	80	Bromodichloromethane (ug/L)
5 U	80	Bromoform (ug/L)
1 U		Bromomethane (ug/L)
1 U		Carbon Disulfide (ug/L)
1 U	5	Carbon Tetrachloride (ug/L)
1 U	100	Chlorobenzene (ug/L)
1 U		Chloroethane (ug/L)
1 U	80	Chloroform (ug/L)
1 U		Chloromethane (ug/L)
1 U	5	cis-1,2-Dichloroethene (ug/L)
1 U	5	cis-1,3-Dichloropropene (ug/L)
1 U	80	Dibromochloromethane (ug/L)

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-4 - Volatile Organic Compounds**

08/10	MCL	Concentration (ug/L)	Unit
	700	Ethylbenzene (ug/L)	1 U
	10000	m&p-Xylene (ug/L)	2 U
		Methyl Iodide (ug/L)	20 U
		Methylene Bromide (ug/L)	1 U
	5	Methylene Chloride (ug/L)	1 U
	10000	o-Xylene (ug/L)	1 U
	100	Styrene (ug/L)	1 U
	5	Tetrachloroethene (ug/L)	1 U
	1000	Toluene (ug/L)	1 U
	100	trans-1,2-Dichloroethene (ug/L)	1 U
		trans-1,3-Dichloropropene (ug/L)	1 U
		trans-1,4-Dichloro-2-butene (ug/L)	5 U
	5	Trichloroethene (ug/L)	1 U
		Trichlorofluoromethane (ug/L)	1 U
		Vinyl Acetate (ug/L)	1 U
	2	Vinyl Chloride (ug/L)	1 U

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-5 - Total Metals**

MCL	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)	Silver, Total (mg/L)	Thallium, Total (mg/L)	Vanadium, Total (mg/L)	Zinc, Total (mg/L)
0.006	0.001 U	0.0006 J	0.037	0.001 U	0.001 U	0.0006 J	0.001 U	0.0014	0.001 U	0.0002 U	0.0026	0.001 U	0.001 U	0.001 U	0.005 U	0.013

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-5 - Volatile Organic Compounds**

08/10	MCL	Compound Name (ug/L)
1 U	1	1,1,1,2-Tetrachloroethane (ug/L)
1 U	200	1,1,1-Trichloroethane (ug/L)
1 U	1	1,1,2,2-Tetrachloroethane (ug/L)
1 U	5	1,1,2-Trichloroethane (ug/L)
1 U	1	1,1-Dichloroethane (ug/L)
1 U	5	1,1-Dichloroethene (ug/L)
1 U	1	1,2,3-Trichloropropane (ug/L)
10 U	0.2	1,2-Dibromo-3-chloropropane (ug/L)
1 U	0.05	1,2-Dibromoethane (ug/L)
1 U	600	1,2-Dichlorobenzene (ug/L)
1 U	5	1,2-Dichloroethane (ug/L)
1 U	5	1,2-Dichloropropane (ug/L)
1 U	5	1,4-Dichlorobenzene (ug/L)
10 U	2	2-Butanone (ug/L)
5 U	2	2-Hexanone (ug/L)
5 U	4	4-Methyl-2-Pentanone (ug/L)
5 U		Acetone (ug/L)
10 U		Acrylonitrile (ug/L)
1 U	5	Benzene (ug/L)
1 U		Bromochloromethane (ug/L)
1 U	80	Bromodichloromethane (ug/L)
5 U	80	Bromoform (ug/L)
1 U		Bromomethane (ug/L)
1 U		Carbon Disulfide (ug/L)
1 U	5	Carbon Tetrachloride (ug/L)
1 U	100	Chlorobenzene (ug/L)
1 U		Chloroethane (ug/L)
1 U	80	Chloroform (ug/L)
1 U		Chloromethane (ug/L)
1 U	5	cis-1,2-Dichloroethene (ug/L)
1 U	20	cis-1,3-Dichloropropene (ug/L)
1 U	80	Dibromochloromethane (ug/L)

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location SW-5 - Volatile Organic Compounds**

08/10	MCL	Concentration (ug/L)	Unit
	700	Ethylbenzene (ug/L)	1 U
	10000	m&p-Xylene (ug/L)	2 U
		Methyl Iodide (ug/L)	20 U
		Methylene Bromide (ug/L)	1 U
	5	Methylene Chloride (ug/L)	1 U
	10000	o-Xylene (ug/L)	1 U
	100	Styrene (ug/L)	1 U
	5	Tetrachloroethene (ug/L)	1 U
	1000	Toluene (ug/L)	1 U
	100	trans-1,2-Dichloroethene (ug/L)	1 U
		trans-1,3-Dichloropropene (ug/L)	1 U
		trans-1,4-Dichloro-2-butene (ug/L)	5 U
	5	Trichloroethene (ug/L)	1 U
		Trichlorofluoromethane (ug/L)	1 U
		Vinyl Acetate (ug/L)	1 U
	2	Vinyl Chloride (ug/L)	1 U

Shaded concentrations represent MCL/GWPS exceedances