



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

Prepared for

Department of Environmental Protection
Recycling and Resource Management Division
Montgomery County, Maryland 20850

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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

The Montgomery County (the County) Department of Environmental Protection (DEP) completed the semi-annual groundwater and surface-water sampling for Gude Landfill (the Landfill) located in Rockville, Maryland, for the Spring 2020 sampling event. This report summarizes, interprets, and statistically analyzes the analytical results for the semi-annual sampling event performed in March 2020.

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

1.2 BACKGROUND

1.2.1 Site Description

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

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

1.2.2 Site History

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

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

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

Since 1984, to monitor the quality of ground and surface water, Montgomery County DEP has been collecting groundwater samples at a total of 25 monitoring sites, which include 20 observation wells and 5 stream locations. Beginning in Fall 2010, as part of a Nature and Extent Study, 16 additional monitoring wells were installed at the site. The purpose of the Nature and Extent Study, directed by the 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.

In July 2018, it was confirmed that the caps and lids for flush-mounted wells MW-23A and MW-23B were switched. It is our understanding that this has been the case since installation. EA field staff verified the issue and corrected the situation when onsite prior to the Fall 2018 sampling event. The wells are now correctly labeled, and all data have been updated to reflect the correct designation.

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

1.2.3 Hydrogeologic Setting

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

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

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

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

2. SAMPLING PROCEDURES

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

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

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

During purging of the wells, water quality parameters as well as purge rate and depth to water were monitored and recorded every 5 minutes. Purging of the standing water was considered complete when three consecutive readings of the water quality indicator parameters agreed within approximately 10 percent. The water quality parameters of temperature, pH, specific conductance, dissolved oxygen, and oxidation-reduction potential reached stabilization prior to sampling. Due to the characteristics of some of the wells, stabilization and the turbidity goal of below 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 Spring 2020 semi-annual sampling event (March 2 – 17, 2020), EA sampled 51 groundwater monitoring wells and 5 surface water locations at the Landfill. This sampling event completes the first of two semi-annual monitoring events at the Landfill for the 2020 calendar year monitoring period in accordance with the revised GW&SWMP (December 2019).

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

- Inorganics (total metals) (EPA 3010A/6020A)
- Mercury (EPA 3010A/6020A)
- Ammonia (EPA 350.1)
- Chloride (EPA 300.0)
- Nitrate (EPA 300.0)
- VOCs (EPA 8260B)
- 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 PQLs are presented for total iron, magnesium, chloride, nitrate, sulfate, and turbidity in the updated GW&SWMP (Montgomery County DEP 2019).

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. In September 2015, temporary piezometers were installed through the waste mass, allowing for additional groundwater table elevation data to be collected. Groundwater elevation data collected were utilized to prepare a groundwater contour map for the Spring 2020 sampling event. The inferred groundwater flow contours have been overlain on the site topographic map and are presented on **Figure 2**. Groundwater elevations for Spring 2020 are presented in **Table 1**. It is important to note that the groundwater elevations for two wells, MW-2A and MW-2B have shown mounding since Spring 2019. Potential for surface infiltration or other potential factors which may have impacted the elevation data for these wells will be investigated during future sampling events.

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

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

3.2.2 Volatile Organic Compounds

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

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

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

- **Northwest**—Groundwater along the Northwest portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-8, MW-11A, MW-11B, MW-12, MW-13A, MW-13B, MW-16A, MW-16B, OB03, OB03A, OB04, OB04A, and OB105) has historically been impacted by VOCs. During this sampling event, MW-11B, MW-13A, MW-13B, OB03, and OB04A had MCL exceedances. Tetrachloroethene (PCE) was detected above the MCL (5 micrograms per liter [$\mu\text{g/L}$]) in MW-11B (6.3 $\mu\text{g/L}$), MW-13A (7.2 $\mu\text{g/L}$), and MW-13B (11.2 $\mu\text{g/L}$); trichloroethene (TCE) was detected above the MCL (5 $\mu\text{g/L}$) in MW-13A (10.9 $\mu\text{g/L}$) and MW-13B (11.9 $\mu\text{g/L}$); and vinyl chloride (VC) was detected above the MCL (2 $\mu\text{g/L}$) in four wells: MW-13A (2.3 $\mu\text{g/L}$), MW-13B (5.0 $\mu\text{g/L}$), OB03 (8.2 $\mu\text{g/L}$), and OB04A (2.2 $\mu\text{g/L}$). 1,2-Dichloropropane was detected above the MCL (5 $\mu\text{g/L}$) in MW-13B (5.2 $\mu\text{g/L}$). 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 detected 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 lower than the Northwest portion of the Landfill, but higher than in the West portion. During this sampling event, wells MW-21B and OB12 had MCL exceedances in this area of the Landfill. PCE was detected above the MCL (5 $\mu\text{g/L}$) in well OB12 (14.8 $\mu\text{g/L}$); TCE was detected above the MCL (5 $\mu\text{g/L}$) in wells MW-21B (9.5 $\mu\text{g/L}$) and OB12 (14.9 $\mu\text{g/L}$); VC was detected above the MCL (2 $\mu\text{g/L}$) in OB12 (8.4 $\mu\text{g/L}$); and 1,2-dichloropropane was detected above the MCL (5 $\mu\text{g/L}$) in OB12 (8.4 $\mu\text{g/L}$). 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 and OB11A had MCL exceedances in this area of the Landfill. *Cis*-1,2-dichloroethene was detected above the MCL (70 $\mu\text{g/L}$) in OB11 (76.5 $\mu\text{g/L}$); PCE was detected above the MCL (5 $\mu\text{g/L}$) in OB11 (9.5 $\mu\text{g/L}$); TCE was detected above the MCL (5 $\mu\text{g/L}$) in OB11 (9.9 $\mu\text{g/L}$) and OB11A (9.5 $\mu\text{g/L}$); and VC was detected above the MCL (2 $\mu\text{g/L}$) in OB11 (11.5 $\mu\text{g/L}$) and OB11A (14.1 $\mu\text{g/L}$). 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. Benzene was detected above the MCL (5 µg/L) in MW-24B (5.7 µg/L); VC was detected above the MCL (2 µg/L) in MW-24A (10.5 µg/L) and OB10 (19.2 µg/L). These exceedances are consistent with past events.

- **Northeast**—Groundwater along the Northeast portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-1B, MW-2A, MW-2B, OB06, OB07, OB07A, and OB102) has historically had limited VOC detections. No MCL exceedances for VOCs were detected during this sampling event.

3.2.3 Inorganics

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

Two groundwater monitoring wells had MCL exceedances in the Southern (OB11) and Southeastern (MW-24B) portions of the Landfill. A summary of the metals MCL exceedances is shown in **Table 6**. Total cadmium was detected above the MCL (0.005 milligrams per liter [mg/L]) in OB11 (0.0126 mg/L). Total mercury was detected above the MCL (0.002 mg/L) in OB11 (0.00393 mg/L). Total arsenic was detected above the MCL (0.01 mg/L) in MW-24B (0.0314 mg/L). All the exceedances are consistent with historical data.

All five surface monitoring locations had detections for barium, calcium, iron, magnesium, manganese, nickel, potassium, and sodium, but had no MCL exceedances. Chromium was detected below the MCL in only ST70 and ST80; cobalt was detected below the MCL in only ST015, ST70, and ST80; copper was detected below the MCL in only ST70; and zinc was detected below the MCL in ST015, ST70, ST80, and ST120. All the detections are consistent with historical data.

3.2.4 General Water Quality Parameters

Nitrate is the only general water quality parameter to have had past MCL exceedances, in MW-8. Nitrate was detected above the MCL (10 mg/L) in MW-8 (14.1 mg/L) during this sampling event. MW-8 has historically had nitrate above the MCL.

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

3.2.5 Methane

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

4. STATISTICAL ANALYSIS

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

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

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

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

4.1 METHODOLOGY

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

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

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

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

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

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

4.2 GROUNDWATER TREND RESULTS

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

4.2.1 Volatile Organic Compounds

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

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

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

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

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

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

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

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

- MW-21A and MW-21B had no statistically significant increasing or decreasing VOC trends this event.
- OB015 had no statistically significant increasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for OB12 (8 parameters).

- Statistically significant decreasing VOC trends were observed for OB015 (1 parameter) and OB12 (1 parameter).

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

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

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

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

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

- MW-1B had no statistically significant increasing or decreasing VOC trends this event.
- MW-2A, MW-2B, and OB07A had no statistically significant increasing VOC trends this event.
- OB07 and OB102 had no statistically significant decreasing VOC trends this event.

- Statistically significant increasing VOC trends were observed for OB06 (1 parameter), OB07 (1 parameter), and OB102 (1 parameter).
- Statistically significant decreasing VOC trends were observed for MW-2A (1 parameter), MW-2B (1 parameter), OB06 (1 parameter), and OB07A (2 parameters).

4.2.2 Metals

Fourteen metals (total) were identified as having increasing statistical trends, and 26 of the groundwater monitoring wells had one or more metals with increasing statistical trends (**Table 8**). Seventeen metals (total) were identified as having decreasing statistical trends, and 33 of the groundwater monitoring wells had one or more metals with decreasing statistical trends (**Table 9**). The trend analysis does not indicate an overall trend of improvement or degradation in the groundwater quality with respect to metals concentrations. Beginning with the Spring 2015 sampling event, low-flow groundwater sampling methods were employed due to issues with high metal concentrations potentially related to high turbidity. Future data will be assessed to determine whether the reported concentrations of metals in samples collected using low-flow sampling methods, once the low-flow method is performed accurately at all well locations, are consistently lower than the concentrations reported using the old methodology. If such a difference is observed, the changed sampling methodology could result in artificial decreasing trends in total metals, which do not reflect changes in groundwater chemistry. If needed, the statistical methods used as part of the semi-annual groundwater evaluation could be modified to address such artificial trends. In order to conduct meaningful comparisons, it is recommended that a minimum of 4 years of low-flow sampling (eight events) be collected before conducting hypothesis testing to compare the low-flow methodology to those obtained using three well volume purge methods. Since there was some variability in the low-flow methodology prior to 2019, this assessment will be performed in 2023.

4.2.3 General Indicator Parameters

Thirty-three groundwater monitoring well locations were determined to have statistically increasing trends for one or more general indicator parameters (**Table 8**), and 37 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 Spring 2020 semi-annual sampling event and historical data dating back to 2001. All historical data have been evaluated and statistical testing and analysis were performed as described in Section 4. The groundwater and surface water results are consistent with historical data and trends.

Semi-annual monitoring will continue with the Fall 2020 event in accordance with the updated GW&SWMP.

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6. REFERENCES

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Figures

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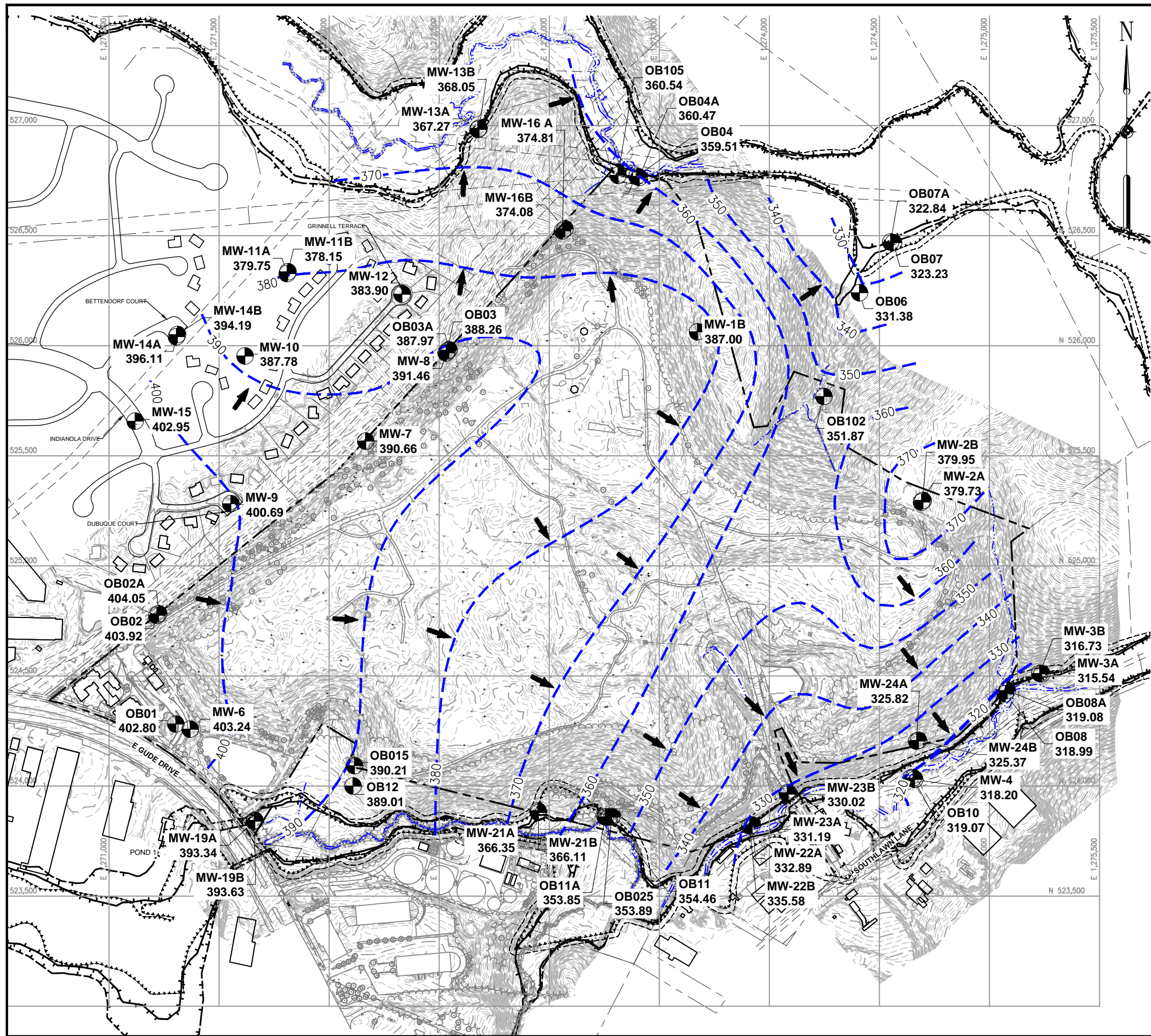


Figure 1.
Groundwater and Surface Water Monitoring Locations
May 2017

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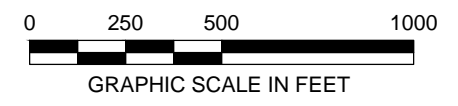


NOTES:

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

LEGEND

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



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

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

**FIGURE 2
 GROUNDWATER CONTOUR MAP
 MARCH 2020**

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Tables

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

Monitoring Well	Well Top of Casing Elevation	Water Elevation												Spring 2020 Depth to Water
		F2014	S2015	F2015	S2016	F2016	S2017	F2017	S2018	F2018	S2019	F2019	S2020	
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	47.00
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	65.80
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	64.50
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	9.00
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	8.00
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	6.55
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	14.05
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	43.15
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	21.20
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	17.00
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	6.25
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	13.70
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	15.25
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	13.65
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	6.10
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	5.30
MW-14A*	412.31	--	--	--	--	--	--	--	--	--	398.91	394.91	396.11	16.20
MW-14B*	412.34	--	--	--	--	--	--	--	--	--	397.24	392.04	394.19	18.15
MW-15*	414.45	--	--	--	--	--	--	--	--	--	405.25	401.85	402.95	11.50
MW-16A	420.11	--	--	--	--	--	--	371.14	370.79	373.44	378.55	375.91	374.81	45.30
MW-16B	418.68	--	--	--	--	--	--	370.54	370.29	372.79	376.88	374.88	374.08	44.60
MW-19A	397.54	--	--	--	--	--	--	392.50	393.33	394.22	393.29	393.04	393.34	4.20
MW-19B	397.33	--	--	--	--	--	--	392.51	393.32	394.25	393.71	393.13	393.63	3.70
MW-21A	372.45	--	--	--	--	--	--	362.89	364.67	365.61	367.10	368.45	366.35	6.10
MW-21B	371.61	--	--	--	--	--	--	363.24	364.73	365.57	367.01	365.31	366.11	5.50
MW-22A	338.79	--	--	--	--	--	--	332.91	332.61	332.84	333.58	332.99	332.89	5.90
MW-22B	339.58	--	--	--	--	--	--	334.38	334.75	335.16	334.54	335.28	335.58	4.00
MW-23A	354.89	--	--	--	--	--	--	329.35	329.68	329.81	331.27	330.49	331.19	23.70
MW-23B	354.47	--	--	--	--	--	--	330.66	328.73	329.61	331.22	330.87	330.02	24.45
MW-24A	355.02	--	--	--	--	--	--	323.78	323.67	323.99	328.02	326.02	325.82	29.20
MW-24B	354.17	--	--	--	--	--	--	323.41	323.18	323.54	326.17	325.07	325.37	28.80
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	13.10
OB02	418.72	401.91	404.14	400.31	403.28	400.73	399.79	400.42	401.67	404.27	405.72	402.72	403.92	14.80
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	14.65
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	21.60
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	22.10
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	4.70
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	4.90
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	8.40
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	6.15
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	5.60
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	6.00
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	6.20
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	6.70
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	8.10
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	8.05
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	16.00
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	19.80
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	8.00
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	11.30
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	2.70

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

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Table 2
Spring 2020 Results

Parameters	Units	MCL	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A
			03/04/2020	03/02/2020	03/03/2020	03/04/2020	03/04/2020	03/16/2020	03/12/2020	03/03/2020	03/10/2020	03/17/2020	03/16/2020	03/16/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
General Parameters														
Alkalinity	mg/L	--	45.1	20.8	22	28.9	21	45.2	130	131	423	17.8	34.5	19
Ammonia Nitrogen	mg/L	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.38	0.3	0.1 U	0.1 U	0.17	0.31
Chemical Oxygen Demand	mg/L	--	3 U	3 U	3 U	3 U	3 U	11.7	12.7	18.7	16.9	5.2	3 U	3 U
Chloride	mg/L	--	2.6	2.4	3.4	2.7	2.7	150	455	69.4	88.7	22	2	20.3
Dissolved Oxygen, Field	mg/L	--	8.27	5.85	5.92	8.43	8.1	0.66	0.47	0.44	2.96	5.71	3.65	6.14
Hardness	mg/L	--	29.5	16.1	18	23.2	15.3	205	484	199	526	72	51.5	63.5
Nitrate	mg/L	10	0.15 J	0.35	0.11 J	0.2 U	0.2 U	0.82	0.23	2.42	14.1	1.31	0.16 J	1.44
ORP, Field	mV	--	232.2	302.4	306.1	260	262.2	135.8	43.7	214.3	109.5	228.7	175.9	201.9
pH, Field	SU	--	5.99	5.17	5.26	5.93	5.78	5.6	5.71	5.71	6.87	5.05	5.66	5.29
pH, Lab	SU	--	6.58	5.65	5.64	6.29	6.25	6.07	6.07	5.9	6.99	5.49	6.15	5.8
Specific Conductivity, Field	mS/cm	--	92.2	52.6	55.7	57.1	44.6	739	2554	641	739	1195	185.7	122.2
Specific Conductivity, Lab	mS/cm	--	93.3	53.1	55.6	65.3	47.7	608	1840	610	1250	128	97.3	129
Sulfate, total	mg/L	--	1 U	0.56 J	0.59 J	1.22	1 U	4.85	39.8	66	59.6	1 U	9.68	5.5
Temperature, field	°C	--	18.9	17.3	15.9	14.9	14.4	13	17.1	18.9	16.1	20.6	15	16.9
Total Dissolved Solids	mg/L	--	76	43	32	55	48	480	1180	362	762	85	99	114
Total Suspended Solids	mg/L	--	5.2	2.5 U	2.4 U	18.8	6.8	336	23.4	2.4	11.6	473	174	229
Turbidity, Lab	NTU	--	1.91	0.5 U	0.5 U	4.11	3.25	45.3	45.7	1.42	2.93	165	79.5	169
Turbidity, Field	NTU	--	36.1	38.0	0.0	6.2	0.7	51.2	17.1	1.9	7.0	92.7	76.2	78.4
Inorganics														
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Arsenic, total	mg/L	0.01	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00117	0.001 U	0.001 U
Barium, total	mg/L	2	0.00158	0.00923	0.0104	0.00399	0.00458	0.0451	0.358	0.0669	0.1	0.153	0.0988	0.11
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	0.00116	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	--	5.51	2.69	3.29	6.63	3.47	37.4	76.5	38.2	88.9	6.2	8.12	8.4
Chromium, total	mg/L	0.1	0.00303	0.00217	0.00165	0.00204	0.00201	0.00647	0.00176	0.00469	0.00359	0.052	0.0242	0.036
Cobalt, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00102	0.734	0.0235	0.001 U	0.0198	0.00617	0.0121
Copper, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.0014	0.001 U	0.00496	0.00384	0.00122	0.0174	0.0278	0.0156
Iron, total	mg/L	--	0.116	0.0279 J	0.0558 J	0.235	0.218	2.76	14.1	0.181	0.147	22.6	11.2	17.4
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00124	0.001 U	0.001 U	0.001 U	0.0137	0.00529	0.00639
Magnesium, total	mg/L	--	3.82	2.27	2.36	1.61	1.62	27.1	71.2	25.2	73.8	13.7	7.57	10.3
Manganese, total	mg/L	--	0.00359	0.0136	0.0178	0.0132	0.0102	0.106	52.4	2.28	0.00543	0.733	0.187	0.329
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Nickel, total	mg/L	--	0.00197	0.00195	0.00148	0.00134	0.0012	0.00499	0.0808	0.00963	0.00439	0.0433	0.0168	0.0295
Potassium, total	mg/L	--	1.04	1.37	1.37	1.06	0.931	3.5	4.33	3.22	11.8	8.3	2.98	3.34
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00547	0.001 U	0.001 U	0.00303	0.00117	0.00177
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	--	7.54	3.81	4.12	3.31	3.21	32.9	167	45	82.2	5.12	6.59	4.1
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0272	0.028	0.0297
Zinc, total	mg/L	--	0.004 U	0.004 U	0.00644	0.004 U	0.0113	0.00904 B	0.0385	0.0065	0.004 U	0.202	0.0783	0.0663
VOCs														
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 2
Spring 2020 Results

Parameters	Units	MCL	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A
			03/04/2020	03/02/2020	03/03/2020	03/04/2020	03/04/2020	03/16/2020	03/12/2020	03/03/2020	03/10/2020	03/17/2020	03/16/2020	03/16/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	1 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-Dibromoethane	mg/L	0.05	1 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-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	1 U	1 U	1 U	1 U	1 U	1 U	4.6	2.9	1 U	1 U	1 U	1 U
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	9.2	1 U	1 U	1 U	1 U	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 U	1 U	1 U	2	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	1 U	1 U	1 U	1 U	1 U	1 U	4.9	4.9	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	mg/L	5	1 U	1.1	1.2	1 U	1 U	1 U	1 U	1 U	1 U	4.6	1 U	1 U
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/L	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

**Table 2
Spring 2020 Results**

Parameters	Units	MCL	MW-11B	MW-12	MW-13A	MW-13B	MW-14A	MW-14B	MW-15	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A
			03/16/2020	03/16/2020	03/09/2020	03/09/2020	03/17/2020	03/17/2020	03/17/2020	03/10/2020	03/10/2020	03/12/2020	03/12/2020	03/11/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
General Parameters														
Alkalinity	mg/L	--	68.6	13.1	29.8	204	15.7	33.5	25.1	240	159	58.4	105	81.9
Ammonia Nitrogen	mg/L	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.18	0.1 U	0.1 J	0.1 U	4.99
Chemical Oxygen Demand	mg/L	--	3 U	11.3	7.6	10.6	3 U	7.4	5.1	29.6	39.6	3 U	7.8	19.1
Chloride	mg/L	--	17.3	149	86	98.4	242	20.2	37	73	126	257	178	56.9
Dissolved Oxygen, Field	mg/L	--	3.9	6.05	0.46	0.57	6.64	5.43	0.51	0.39	0.64	0.53	0.49	0.51
Hardness	mg/L	--	87.3	112	132	355	236	59.9	90	186	436	268	302	289
Nitrate	mg/L	10	3.55	3.38	1.93	5.88	2.84	5.09	4.89	3.81	0.48	2.13	1.5	1.36
ORP, Field	mV	--	165.2	228.1	261.2	230.8	247.2	188	225.5	-38.3	106.8	255.7	190.5	58.2
pH, Field	SU	--	6.01	5	5.1	5.99	5.05	5.56	5.27	6.26	5.95	5.54	5.79	6.22
pH, Lab	SU	--	6.32	5.53	5.37	6.1	5.52	6.04	5.77	6.49	6.2	5.97	6.1	6.28
Specific Conductivity, Field	mS/cm	--	272.1	798	327	639	1085	203.3	303.1	782	1150	1196	953	702
Specific Conductivity, Lab	mS/cm	--	220	5.92	367	757	876	178	228	731	1110	990	788	832
Sulfate, total	mg/L	--	3.99	20	2.1	16.4	15.7	2.06	8.7	20.5	3.94	14	10.2	174
Temperature, field	°C	--	14.2	17.6	13.1	11.9	18.2	14.9	16.5	20.6	19.6	13.4	13	11.3
Total Dissolved Solids	mg/L	--	155	402	217	456	603	134	164	431	650	643	575	523
Total Suspended Solids	mg/L	--	13.8	26	18.1	4.8 U	317	27.1	627	21.6	2.6	47.9	6.2	12.7
Turbidity, Lab	NTU	--	4.47	8.37	7.15	0.5 U	13.4	3.5	82.2	28.7	5.98	3.5	2.28	11.4
Turbidity, Field	NTU	--	4.2	13.2	32.3	11.5	28.1	10.5	58.8	19.8	0.7	11.2	4.1	16.3
Inorganics														
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Arsenic, total	mg/L	0.01	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00306	0.00143	0.001 U	0.001 U	0.001 U
Barium, total	mg/L	2	0.0211	0.231	0.165	0.0739	0.311	0.0154	0.0983	0.309	0.0299	0.107	0.0334	0.213
Beryllium, total	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium, total	mg/L	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Calcium, total	mg/L	--	17	22.5	20.1	81	40.7	11.7	12.6	20.7	63	44.6	65.7	50.7
Chromium, total	mg/L	0.1	0.00232	0.00672	0.00397	0.001 U	0.01	0.00642	0.0175	0.00755	0.00486	0.001 U	0.001 U	0.001 U
Cobalt, total	mg/L	--	0.001 U	0.001 U	0.0174	0.001 U	0.00315	0.001 U	0.00541	0.00711	0.00885	0.00537	0.001 U	0.067
Copper, total	mg/L	--	0.001 U	0.017	0.00262	0.001 U	0.00944	0.001 U	0.0416	0.00242	0.00307	0.001 U	0.001 U	0.001 U
Iron, total	mg/L	--	0.268	0.352	0.72	0.0155 J	1.42	0.249	12.4	10.5	1.32	0.275	0.103	6.29
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00244	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Magnesium, total	mg/L	--	10.9	13.5	20	37.1	32.7	7.43	14.2	32.6	67.6	38.1	33.6	39.6
Manganese, total	mg/L	--	0.00632	0.0336	0.695	0.0369	0.0301	0.00505	0.188	10.7	12.3	1.61	0.0303	9.83
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.000217	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.000743	0.000224	0.0001 U
Nickel, total	mg/L	--	0.001 U	0.00517	0.0116	0.00203	0.0286	0.0048	0.0198	0.0104	0.015	0.007	0.00319	0.0124
Potassium, total	mg/L	--	0.95	2.28	2.52	3.51	3.22	1.47	2.03	3.98	4.18	3.71	2.44	13.7
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00175	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	--	10.7	71.6	14.3	20.4	60.4	8.02	10.9	85.9	49.4	80	23.3	50
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	--	0.00306	0.001 U	0.00135	0.001 U	0.0029	0.001 U	0.00898	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Zinc, total	mg/L	--	0.004 U	0.015 B	0.0166	0.004 U	0.0487	0.004 U	0.0477	0.0084	0.00727	0.0272	0.004 U	0.0116
VOCs														
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	mg/L	--	1 U	1 U	8.2	8.7	1 U	1 U	1 U	1 U	1 U	2.6	4.7	1.8

Table 2
Spring 2020 Results

Parameters	Units	MCL	MW-11B	MW-12	MW-13A	MW-13B	MW-14A	MW-14B	MW-15	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A	
			03/16/2020	03/16/2020	03/09/2020	03/09/2020	03/17/2020	03/17/2020	03/17/2020	03/17/2020	03/10/2020	03/10/2020	03/12/2020	03/12/2020	03/11/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dibromo-3-chloropropane	mg/L	0.2	1 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-Dibromoethane	mg/L	0.05	1 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-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane	mg/L	5	1 U	1 U	1.2	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	mg/L	5	1 U	1 U	3.6	5.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	mg/L	75	1 U	1 U	2.4	6.6	1 U	1 U	1 U	2	5.2	1 U	1.1	1 J	
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzene	mg/L	5	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chlorobenzene	mg/L	100	1 U	1 U	1 U	1.2	1 U	1 U	1 U	6	11.5	1 U	1 J	1 U	
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroform	mg/L	80	1 U	1.1	3	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
cis-1,2-Dichloroethene	mg/L	70	4.1	1 U	51.6	57	1 U	1 U	1 U	1 U	1.1	6.5	15.2	5.4	
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methylene Chloride	mg/L	5	1 U	1 U	2 B	2.5 B	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Tetrachloroethene	mg/L	5	6.3	1 U	7.2	11.2	1 U	1 U	1 U	1 U	1 U	1.6	2.1	1.5	
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1.6	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Trichloroethene	mg/L	5	2.7	1 U	10.9	11.9	1 U	1 U	1 U	1 U	1 U	2.3	4.3	3.5	
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Chloride	mg/L	2	1 U	1 U	2.3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	

**Table 2
Spring 2020 Results**

Parameters	Units	MCL	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A	
			03/11/2020	03/05/2020	03/05/2020	03/12/2020	03/12/2020	03/05/2020	03/05/2020	03/12/2020	03/03/2020	03/03/2020	03/03/2020	03/10/2020	03/11/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
General Parameters															
Alkalinity	mg/L	--	101	406	285	61	24.1	169	322	86.1	72.6	38.1	238	435	
Ammonia Nitrogen	mg/L	--	0.27	0.12	0.1 U	0.1 U	0.1 U	0.5	0.1 U	0.1 U	0.1 U	0.1 U	1.96	2.41	
Chemical Oxygen Demand	mg/L	--	14.7	7.7	3 U	20.8	3 U	23.1	22.3	9.4	3 U	3 U	19.5	16.8	
Chloride	mg/L	--	134	130	123	28.3	92.3	333	315	618	174	331	210	109	
Dissolved Oxygen, Field	mg/L	--	1	0.46	0.58	0.66	1.93	0.38	0.4	0.52	0.42	0.5	0.42	3.9	
Hardness	mg/L	--	271	369	340	81.6	129	456	571	648	252	392	383	511	
Nitrate	mg/L	10	0.2 U	0.2 U	0.2 U	0.13 J	3.91	0.2 U	0.64	2.39	0.2 U	1.71	0.2 U	2.31	
ORP, Field	mV	--	-19.3	23.4	-46.3	-153.5	261.1	-7.7	-81.6	184.2	181.1	238.3	39.1	0.5	
pH, Field	SU	--	6.44	6.43	6.88	6.78	5.02	5.85	6.42	5.43	6.12	5.48	5.87	6.78	
pH, Lab	SU	--	6.6	6.55	6.94	6.8	5.45	6.07	6.4	5.84	6.29	5.63	6.03	6.6	
Specific Conductivity, Field	mS/cm	--	777	1005	830	216.2	524	1318	1440	2902	1318	687	1124	1255	
Specific Conductivity, Lab	mS/cm	--	811	1110	932	209	408	1330	1480	2210	1330	1150	1150	1310	
Sulfate, total	mg/L	--	22	33.2	34.1	5.48	6	0.77 J	1 U	34.4	14.4	24.1	27.2	114	
Temperature, field	°C	--	13.1	12.9	13	17.3	16.5	18.1	16.8	17	15.8	17	17	15.7	
Total Dissolved Solids	mg/L	--	482	667	540	121	267	754	822	1650	494	772	621	795	
Total Suspended Solids	mg/L	--	36.8	5	6.8	7.1	307	2.3 U	15.4	2.3 U	12	41.8	5.1	11.1	
Turbidity, Lab	NTU	--	141	20.3	31.2	7.29	91.8	6.02	166	0.5 U	11.3	2.74	18.3	39	
Turbidity, Field	NTU	--	37.9	3.0	8.9	3.3	9.6	0.0	3.2	0.2	7.3	4.5	3.5	14.0	
Inorganics															
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	0.0012	0.001 U	0.00978	0.001 U	0.001 U	0.00501	0.0314	0.001 U	0.001 U	0.001 U	0.0022	0.00228	
Barium, total	mg/L	2	0.0789	0.0278	0.0357	0.0143	0.169	0.287	0.189	0.355	0.236	0.337	0.454	0.145	
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	0.00126	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	--	68.4	86.7	89.7	14	16.2	67.9	94.4	119	50.8	74.2	70.4	98.7	
Chromium, total	mg/L	0.1	0.00418	0.001 U	0.00131	0.016	0.041	0.00161	0.001 U	0.0016	0.00202	0.001 U	0.0014	0.00122	
Cobalt, total	mg/L	--	0.0325	0.00307	0.001 U	0.0011	0.00823	0.0633	0.0517	0.00769	0.00724	0.001 U	0.048	0.0202	
Copper, total	mg/L	--	0.00512	0.0023	0.001 U	0.00106	0.001 U	0.001 U	0.001 U	0.00143	0.00142	0.0032	0.0016	0.00123	
Iron, total	mg/L	--	19.4	3.39	3.55	1.07	8.4	22.6	47.7	0.0258 J	1.04	0.123	21.8	10.5	
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.00396	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Magnesium, total	mg/L	--	24.4	38.5	27.8	11.3	21.4	69.6	81.5	84.9	30.3	50.2	50.3	64.2	
Manganese, total	mg/L	--	4.32	2.52	0.566	0.104	0.141	9.19	4.33	4.55	1.74	0.0382	21.3	6.08	
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.000646	0.0001 U	0.0001 U	0.000133	0.0001 U	0.000105	0.0001 U	0.0001 U	
Nickel, total	mg/L	--	0.0168	0.00851	0.00354	0.0112	0.0303	0.0339	0.0142	0.0269	0.00864	0.00838	0.0147	0.00658	
Potassium, total	mg/L	--	11.6	5.13	7.27	10.8	3.85	5.09	4.14	5.48	6.34	4.44	8.73	16.9	
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.00139	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Silver, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Sodium, total	mg/L	--	42.5	107	52.6	13.7	27.7	49.5	34	187	22.9	40.1	56.3	71	
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.0105	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	--	0.00794	0.00429	0.00446	0.0383	0.0269	0.004 U	0.004 U	0.0112	0.00437	0.00615	0.00906	0.004 U	
VOCs															
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	mg/L	--	5	1 U	1 U	1 U	1 U	1.6	3.8	1 U	1 U	1 U	14.2	2	

Table 2
Spring 2020 Results

Parameters	Units	MCL	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A	
			03/11/2020	03/05/2020	03/05/2020	03/12/2020	03/12/2020	03/05/2020	03/05/2020	03/12/2020	03/03/2020	03/03/2020	03/03/2020	03/10/2020	03/11/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dibromo-3-chloropropane	mg/L	0.2	1 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-Dibromoethane	mg/L	0.05	1 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-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1.2	1 U	
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	
1,2-Dichloropropane	mg/L	5	1.3	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	3.6	1 U	
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	mg/L	75	1 U	1.3	1 U	1 U	1 U	14.1	13.3	1 U	1 U	1 U	11.2	1.8	
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzene	mg/L	5	1 U	1 U	1 U	1 U	1 U	4.5	5.7	1 U	1 U	1 U	1.5	1 U	
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chlorobenzene	mg/L	100	1 U	1 U	1 U	1 U	1 U	8.6	3.6	1 U	1 U	1 U	2.1	1.2	
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
cis-1,2-Dichloroethene	mg/L	70	12.7	4.2	3.3	1 U	4.4	5.1	1.7	1 U	1 U	1 U	49.1	6.6	
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methylene Chloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Tetrachloroethene	mg/L	5	2.6	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1.3	3	1 U	1 U	1 U	1 U	1 U	
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	2.1	3	1 U	1 U	1 U	3.8	1 U	
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Trichloroethene	mg/L	5	9.5	2.9	1.2	1 U	1.2	1 U	1 U	1 U	1 U	1 U	3.1	1 U	
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Chloride	mg/L	2	1.2	1 U	1 U	1 U	1 U	10.5	1.3	1 U	1 U	1 U	8.2	1.1	

**Table 2
Spring 2020 Results**

Parameters	Units	MCL	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015
			03/09/2020	03/09/2020	03/02/2020	03/02/2020	03/02/2020	03/04/2020	03/04/2020	03/16/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
General Parameters														
Alkalinity	mg/L	--	275	157	308	220	98.2	224	232	152	256	345	138	94.8
Ammonia Nitrogen	mg/L	--	0.81	0.63	0.1 U	0.12	0.1 U	0.1 U	0.3	0.1 U	0.1 U	0.47	0.1 U	0.1 U
Chemical Oxygen Demand	mg/L	--	36.5	41.9	44.4	3 U	18.3	4.9	10.4	15.7	36.4	32.6	14.2	3 U
Chloride	mg/L	--	103	566	383	242	189	54	72.3	238	438	394	81.5	9.8
Dissolved Oxygen, Field	mg/L	--	0.41	0.53	0.47	0.9	2.6	0.4	0.41	0.62	0.62	0.44	0.43	0.71
Hardness	mg/L	--	875	835	554	491	407	216	226	410	780	687	214	92.8
Nitrate	mg/L	10	1.15	1.21	0.33	1.61	1.47	0.36	0.55	0.2 U	0.2 U	0.2 U	0.4	1.27
ORP, Field	mV	--	175.2	261.1	178.5	180.7	223	22.5	54.5	-1	71.2	122.4	0.5	107.4
pH, Field	SU	--	5.94	5.6	5.97	6.42	5.85	6.36	6.1	5.8	5.79	5.87	5.67	6
pH, Lab	SU	--	6.12	5.77	6.23	6.68	6.15	6.49	6.3	6.27	5.86	5.99	5.84	6.18
Specific Conductivity, Field	mS/cm	--	1989	1992	1618	1036	557	520	590	1246	1689	1738	535	311.4
Specific Conductivity, Lab	mS/cm	--	2000	2110	1770	1180	817	572	1180	643	1060	1840	1850	331
Sulfate, total	mg/L	--	19.4	12.2	114	46.2	20.9	5.92	2.75	1.63	12.4	10.7	19.9	57.9
Temperature, field	°C	--	16.1	15.8	14.3	12.7	12.6	14.4	14.4	12.3	14.8	15.1	15.1	15.2
Total Dissolved Solids	mg/L	--	1390	1390	1040	849	539	332	363	782	1090	1040	324	151
Total Suspended Solids	mg/L	--	2.3 U	6.7	21.2	6.2	2.5 U	4.3	10.6	6	4	3.1	2.3 U	2.3 U
Turbidity, Lab	NTU	--	0.5 U	1.27	11.4	5.14	0.5 U	0.709	4.03	1.82	1.2	1.72	0.973	4.66
Turbidity, Field	NTU	--	1.0	0.4	11.4	0.9	0.0	0.0	3.4	0.3	0.5	0.1	0.7	4.9
Inorganics														
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	0.00273	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Barium, total	mg/L	2	0.309	0.077	0.176	0.0382	0.0464	0.147	0.0765	0.139	0.0297	0.207	0.0202	0.0583
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	0.0126	0.00118	0.001 U	0.001 U
Calcium, total	mg/L	--	163	135	136	130	78.6	61.7	53	76.2	145	113	37.6	9.12
Chromium, total	mg/L	0.1	0.00128	0.00166	0.00279	0.00175	0.001 U	0.001 U	0.00103	0.00148	0.00186	0.00105	0.00123	0.00108
Cobalt, total	mg/L	--	0.001 U	0.00119	0.00483	0.001 U	0.00108	0.00506	0.0163	0.0258	0.00188	0.0363	0.001 U	0.001 U
Copper, total	mg/L	--	0.0411	0.0327	0.00696	0.00182	0.001 U	0.001 U	0.00115	0.001 U	0.0106	0.00533	0.001 U	0.001 U
Iron, total	mg/L	--	0.0279 J	0.0634 J	1.4	0.246	0.0274 J	0.115	4.03	2.06	0.103	1.63	0.0935 J	0.779
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00109	0.001 U	0.00106	0.001 U	0.001 U
Magnesium, total	mg/L	--	114	121	60.4	46.8	51.3	17.3	23.7	53.3	102	98.3	29.1	17
Manganese, total	mg/L	--	4.01	3.12	0.633	0.101	0.142	6.05	8.61	14.8	1.63	14.7	0.138	0.448
Mercury, total	mg/L	0.002	0.000119	0.0001 U	0.000227	0.000239	0.000702	0.0001 U	0.0001 U	0.0001 U	0.00393	0.000328	0.0001 U	0.0001 U
Nickel, total	mg/L	--	0.0151	0.0262	0.011	0.00181	0.004	0.00638	0.00669	0.0287	0.0346	0.031	0.00793	0.0101
Potassium, total	mg/L	--	7.41	6.42	4.52	3.67	2.69	2.73	2.85	4.32	5.61	5.95	5.68	1.78
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Silver, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Sodium, total	mg/L	--	83.8	114	158	24.8	26.9	23.5	31.7	29.9	99.7	139	30.7	39.9
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.00141	0.00104	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	--	0.00777	0.0278	0.0182	0.004 U	0.004 U	0.004 U	0.00719	0.004 U	0.045	0.0219	0.004 U	0.0203
VOCs														
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	9.8	10.1	15.8	1 U

Table 2
Spring 2020 Results

Parameters	Units	MCL	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB15
			03/09/2020	03/09/2020	03/02/2020	03/02/2020	03/02/2020	03/04/2020	03/04/2020	03/16/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	1 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-Dibromoethane	mg/L	0.05	1 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-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	2.5	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1.5	1.1	1 U
1,2-Dichloropropane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1.2	2.4	3.6	3.5	8.4	1 U
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	6	8.4	1.1	1 U	1 U	2.7	5.6	9.8	17.8	18.1	9.3	1 U
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	mg/L	5	1.7	1.9	1 U	1 U	1 U	1 U	1.3	2.2	2.2	1.5	3.1	1 U
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	mg/L	100	1.7	1.4	1.4	1 U	1 U	5.7	11.9	4.8	22.3	22.7	3.5	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	14.8	20.3	1 U	1.7	1.3	10.7	8.2	32.9	76.5	56.7	34.3	1 U
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1.6	1.1	1 U
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	mg/L	5	2.3 B	4 B	1 U	1 U	1 U	1 U	1 U	1 U	4.2	1 U	3.6	1 U
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	mg/L	5	1.4	1.4	1 U	1 U	1.2	1 U	1 U	1 U	9.5	2.8	14.8	1 U
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	2.7	2.6	3	1 U
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	1.3	1.3	1 U	1 U	1 U	1 U	1 U	3.1	9.9	9.5	14.9	1 U
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/L	2	1.5	2.2	1 U	1 U	1 U	1 U	1.4	19.2	11.5	14.1	8.4	1 U

**Table 2
Spring 2020 Results**

Parameters	Units	MCL	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
			03/05/2020	03/03/2020	03/09/2020	03/10/2020	03/02/2020	03/10/2020	03/10/2020	03/09/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
General Parameters										
Alkalinity	mg/L	--	310	1040	1260	65.6	79.5	108	112	60.2
Ammonia Nitrogen	mg/L	--	0.37	17.3	41.8	0.1 J	0.1 U	0.32	0.11	0.1 U
Chemical Oxygen Demand	mg/L	--	25.6	147	137	4.3	10.8	18.8	9	6.1
Chloride	mg/L	--	190	487	140	90.9	105	124	135	113
Dissolved Oxygen, Field	mg/L	--	2.15	0.41	0.69	11.21	13.92	10.72	12.19	0.53
Hardness	mg/L	--	377	601	1090	150	142	221	207	152
Nitrate	mg/L	10	3.27	2.13	1.43	1.81	1.9	1.65	1.5	1.8
ORP, Field	mV	--	180	77.1	-81.1	145.6	241.6	123.2	146.7	202
pH, Field	SU	--	6.32	6.56	6.79	8.67	7.84	8.1	8.15	6.39
pH, Lab	SU	--	6.41	6.7	6.79	7.61	7.97	7.72	8.05	6.91
Specific Conductivity, Field	mS/cm	--	1062	3069	2923	410.1	420.4	608	571	410.5
Specific Conductivity, Lab	mS/cm	--	1190	3330	3130	472	520	728	680	507
Sulfate, total	mg/L	--	37.6	78.7	114	13.5	14	53.2	22.6	12.3
Temperature, field	°C	--	14	14.9	13.3	10.7	8.8	10.8	10.8	9.2
Total Dissolved Solids	mg/L	--	698	1950	1830	275	310	425	378	276
Total Suspended Solids	mg/L	--	57	4.5	55.4	2.7 U	2.6 U	11.7	2.9	2.3 U
Turbidity, Lab	NTU	--	72.5	1.98	266	4.28	1.32	9.83	2.64	2.04
Turbidity, Field	NTU	--	33.2	0.0	8.9	0.5	328.3	58.6	119.3	2.3
Inorganics										
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	0.00196	0.00108	0.00264	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Barium, total	mg/L	2	0.115	0.331	0.57	0.0847	0.0391	0.088	0.0738	0.0453
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	--	60.5	89.3	139	28.6	26.7	52.3	43.2	28.4
Chromium, total	mg/L	0.1	0.0354	0.00288	0.00411	0.001 U	0.001 U	0.0436	0.00327	0.001 U
Cobalt, total	mg/L	--	0.0351	0.0609	0.00755	0.00111	0.001 U	0.00159	0.00102	0.001 U
Copper, total	mg/L	--	0.00531	0.0239	0.00118	0.001 U	0.001 U	0.00137	0.001 U	0.001 U
Iron, total	mg/L	--	10.8	0.2	22.5	0.364	0.193	0.53	0.359	0.298
Lead, total	mg/L	0.015	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Magnesium, total	mg/L	--	54.4	91.8	180	19.1	18.2	22.1	24.1	19.6
Manganese, total	mg/L	--	22.7	14.9	2.51	0.155	0.0737	0.336	0.249	0.0872
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Nickel, total	mg/L	--	0.0364	0.081	0.015	0.00883	0.0045	0.00647	0.00483	0.00605
Potassium, total	mg/L	--	16.1	51.4	89.9	1.93	3.66	14.9	6.08	2.3
Selenium, total	mg/L	0.05	0.00112	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	--	83.3	495	360	31.2	40.3	48.3	50.6	37.6
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.00377	0.001 U	0.00203	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Zinc, total	mg/L	--	0.0258	0.00763	0.0167	0.0179	0.004 U	0.0101	0.00408	0.00461
VOCs										
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 2
Spring 2020 Results

Parameters	Units	MCL	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
			03/05/2020	03/03/2020	03/09/2020	03/10/2020	03/02/2020	03/10/2020	03/10/2020	03/09/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	mg/L	0.05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	1 U	1.3	1.2	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	mg/L	--	5 U	5 U	5.1	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	mg/L	100	1 U	2.4	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	4.3	1 U	2	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/L	2	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 ¹	MW-13B	RPD	OB40 ¹	MW-24B	RPD	OB50 ¹	OB11	RPD
1,1-Dichloroethane	8.5	8.7	2.3%	3.7	3.8	2.7%	10.1	9.8	3.0%
1,2-Dichlorobenzene	1 U	1 U	NA	1 U	1 U	NA	2.9	2.6	10.3%
1,2-Dichloroethane	1.3	1.4	7.7%	1 U	1 U	NA	1.9	1.9	0.0%
1,2-Dichloropropane	4.9	5.2	6.1%	1 U	1 U	NA	3.5	3.6	2.9%
1,4-Dichlorobenzene	6.9	6.6	4.3%	14.1	13.3	5.7%	17.9	17.8	0.6%
Benzene	1.7	1.6	5.9%	5.6	5.7	1.8%	2.1	2.2	4.8%
Chlorobenzene	1.2	1.2	0.0%	3.8	3.6	5.3%	23.7	22.3	5.9%
cis-1,2-Dichloroethene	56.2	57	1.4%	2	1.7	15.0%	77	76.5	0.6%
Methyl Tertiary Butyl Ether	1 U	1 U	NA	1 U	1 U	NA	1.8	1.8	0.0%
Methylene Chloride	2.6	2.5 B	NA	1 U	1 U	NA	4.5	4.2	6.7%
o-Xylene	1 U	1 U	NA	1.2	1.4	16.7%	1 U	1 U	NA
Tetrachloroethene	10.8	11.2	3.7%	1 U	1 U	NA	10.1	9.5	5.9%
Toluene	1 U	1 U	NA	9.5	3	68.4%	1 U	1 U	NA
trans-1,2-Dichloroethene	1.9	2.1	10.5%	3	3	0.0%	3	2.7	10.0%
Trichloroethene	12.3	11.9	3.3%	1 U	1 U	NA	9.9	9.9	0.0%
Vinyl Chloride	5	5	0.0%	1.5	1.3	13.3%	12	11.5	4.2%

(1) Duplicate sample

(2) RPDs>20% are shaded

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Table 4									
Relative Percent Difference for Inorganics and General Water Quality Parameters - Duplicate Analysis									
Parameter	OB30 ¹	MW-13B	RPD	OB40 ¹	MW-24B	RPD	OB50 ¹	OB11	RPD
Alkalinity	205	204	0.5%	324	322	0.6%	259	256	1.2%
Chemical Oxygen Demand	7.4	10.6	35.6%	29.7	22.3	28.5%	33.0	36.4	9.8%
Chloride	98.7	98.4	0.3%	320	315	1.6%	442	438	0.9%
Hardness	334	355	6.1%	567	571	0.7%	721	780	7.9%
Nitrate	5.23	5.88	11.7%	0.1 U	0.64	NA	0.1 U	0.2 U	NA
pH, Lab	6.15	6.1	0.8%	6.43	6.4	0.5%	5.86	5.86	0.0%
Specific Conductivity, Lab	759	757	0.3%	1480	1480	0.0%	1850	1840	0.5%
Sulfate, total	17.8	16.4	8.2%	0.6	1 U	NA	12.4	12.4	0.0%
Total Dissolved Solids	463	456	1.5%	895	822	8.5%	1160	1090	6.2%
Total Suspended Solids	2.5 U	4.8 U	NA	16.8	15.4	8.7%	3.6	4.0	10.5%
Turbidity, Lab	0.5 U	0.5 U	NA	130	166	24.3%	1.32	1.2	9.5%
Arsenic, total	0.001 U	0.001 U	NA	0.0306	0.0314	2.6%	0.001 U	0.001 U	NA
Barium, total	0.0747	0.0739	1.1%	0.186	0.189	1.6%	0.0295	0.0297	0.7%
Cadmium, total	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.0131	0.0126	3.9%
Calcium, total	76.9	81.0	5.2%	91.7	94.4	2.9%	134	145	7.9%
Chromium, total	0.001 U	0.001 U	NA	0.00119	0.001 U	NA	0.00166	0.00186	11.4%
Cobalt, total	0.001 U	0.001 U	NA	0.0518	0.0517	0.2%	0.00192	0.00188	2.1%
Copper, total	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.0102	0.0106	3.8%
Iron, total	0.0177 J	0.0155 J	NA	47.8	47.7	0.2%	0.095	0.103	8.1%
Magnesium, total	34.6	37.1	7.0%	81.0	81.5	0.6%	93.6	102	8.6%
Manganese, total	0.0403	0.0369	8.8%	4.32	4.33	0.2%	1.56	1.63	4.4%
Mercury, total	0.000235	0.000217	8.0%	0.001 U	0.0001 U	NA	0.0034	0.00393	14.5%
Nickel, total	0.00191	0.00203	6.1%	0.0143	0.0142	0.7%	0.0343	0.0346	0.9%
Potassium, total	3.55	3.51	1.1%	4.03	4.14	2.7%	5.45	5.61	2.9%
Sodium, total	20.4	20.4	0.0%	34.0	34.0	0.0%	111	99.7	10.7%
Zinc, Total	0.004 U	0.004 U	NA	0.004 U	0.004 U	NA	0.0449	0.045	0.2%

(1) Duplicate sample

(2) RPDs>20% are shaded

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Table 5
MCL Exceedances - Volatile Organic Compounds

Monitoring Well	Parameter	Units	MCL	Result
Northwest				
MW-11B	Tetrachloroethene	µg/L	5	6.3
MW-13A	Tetrachloroethene	µg/L	5	7.2
	Trichloroethene	µg/L	5	10.9
	Vinyl Chloride	µg/L	2	2.3
MW-13B	1,2-Dichloropropane	µg/L	5	5.2
	Tetrachloroethene	µg/L	5	11.2
	Trichloroethene	µg/L	5	11.9
	Vinyl Chloride	µg/L	2	5
OB03	Vinyl Chloride	µg/L	2	8.2
OB04A	Vinyl Chloride	µg/L	2	2.2
Southwest				
MW-21B	Trichloroethene	µg/L	5	9.5
OB12	1,2-Dichloropropane	µg/L	5	8.4
	Tetrachloroethene	µg/L	5	14.8
	Trichloroethene	µg/L	5	14.9
	Vinyl Chloride	µg/L	2	8.4
South				
OB11	cis-1,2-Dichloroethene	µg/L	70	76.5
	Tetrachloroethene	µg/L	5	9.5
	Trichloroethene	µg/L	5	9.9
	Vinyl Chloride	µg/L	2	11.5
OB11A	Trichloroethene	µg/L	5	9.5
	Vinyl Chloride	µg/L	2	14.1
Southeast				
MW-24A	Vinyl Chloride	µg/L	2	10.5
MW-24B	Benzene	µg/L	5	5.7
OB10	Vinyl Chloride	µg/L	2	19.2

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Table 6
MCL Exceedances - Inorganics

Monitoring Well	Parameter	Units	MCL	Result
Northwest				
MW-8	Nitrate	mg/L	10	14.1
South				
OB11	Cadmium, total	mg/L	0.005	0.0126
	Mercury, total	mg/L	0.002	0.00393
Southeast				
MW-24B	Arsenic, total	mg/L	0.01	0.0314

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

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

* Unable to sample - well within construction site

Table 7
Historical Methane Concentrations (% by volume)

Well	3/18/2016	9/2/2016	3/6/2017	9/19/2017	4/5/2018	9/7/2018	4/8/2019	7/29/2019	3/2/2020
MW-1B	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
MW-2B	0.0	0.0	0.0	0.0	0.0	0.1	1.6	0.0	0.0
MW-3A	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
MW-04	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
MW-07	0.0	0.0	0.0	0.0	0.0	57.8	0.02	0.0	0.0
MW-08	0.0	0.0	0.0	0.0	0.0	6.8	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
MW-10	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
MW-11B	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
MW-13A	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
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0
MW-16A	--	--	--	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
MW-19A	--	--	--	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
MW-21A	--	--	--	0.7	0.0	0.0	0.0	0.0	0.0
MW-21B	--	--	--	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
MW-22B	--	--	--	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
MW-23B	--	--	--	0.1	0.1	0.0	0.0	0.0	0.0
MW-24A	--	--	--	13.5	2.3	0.0	0.0	0.0	0.0
MW-24B	--	--	--	2.9	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
OB02	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
OB03	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
OB04	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
OB0105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB08A	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
OB06	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
OB07A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB011	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
OB011A	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
OB015	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
OB10	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

Table 8
Gude Landfill Groundwater Monitoring Data
Chemical Constituents with Statistically Significant Increasing Trends
(2001 through March 2020)

Parameter	GROUNDWATER MONITORING WELL LOCATIONS																																																		
	Northwest										West					Southwest	South					Southeast					Northeast																								
	MW-11A	MW-11B	MW-12	MW-13A	MW-13B	MW-16A	OB03	OB03A	OB04	OB04A	OB105	MW-6	MW-7	MW-9	MW-19B	OB01	OB02A	OB12	MW-22A	MW-23A	MW-23B	OB11	OB11A	OB025	MW-4	MW-24A	MW-24B	OB08	OB08A	OB10	MW-2A	MW-2B	OB06	OB07	OB07A	OB102															
1,2-Dichloroethane																		X																																	
1,2-Dichloropropane																			X																																
1,2-Dichlorobenzene							X														X	X																													
1,4-Dichlorobenzene							X	X	X	X	X			X					X			X	X						X	X	X																				
Benzene									X	X									X																																
Chlorobenzene									X	X									X								X	X	X	X						X					X										
Chloroform				X																																															
cis-1,2-Dichloroethene		X									X		X		X				X						X				X		X																				
Methylene Chloride									X	X																																									
Tetrachloroethene		X																																																	
trans-1,2-Dichloroethene																																																			
Trichloroethene		X																																																	
Vinyl Chloride										X									X				X																												
Barium, total									X	X	X		X			X	X				X							X		X															X						
Cadmium, total																					X																														
Calcium, total								X	X	X		X				X							X																												
Chromium, total																					X																														
Cobalt, total												X	X			X									X		X																								
Copper, total									X	X																																									
Iron, total													X																																						
Magnesium, total		X					X	X	X	X		X	X		X	X		X			X	X																													
Manganese, total							X		X	X	X	X	X		X	X		X			X	X	X			X			X	X																					
Mercury, total																					X																														
Nickel, total									X	X		X				X	X		X		X	X				X																									
Potassium, total											X					X					X	X																													
Selenium, total									X												X																														
Sodium, total											X	X	X		X	X				X	X	X	X																												
Alkalinity								X		X	X		X					X		X	X																														
Ammonia Nitrogen									X		X		X																																						
Chemical Oxygen Demand									X	X			X																																						
Chloride	X	X			X		X		X	X		X		X	X	X	X		X			X	X	X	X	X	X	X	X	X	X																				
Dissolved Oxygen, Field															X																																				
Nitrate		X			X											X	X									X																									
Specific Conductivity, Field							X	X		X	X	X				X					X	X	X																												
Sulfate, total			X		X	X		X					X			X			X							X																									
Total Dissolved Solids												X				X																																			
Turbidity								X																																											

Notes:

- Monitoring wells OB02, OB015, MW-1B, MW-3A, MW-3B, MW-8, MW-10, MW-16B, MW-19A, MW-21A, MW-21B, and MW-22B had no parameters with increasing trends.
- Existing 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 first sampled in 2010.
- 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 first sampled in Fall 2017.
- MW-14A, MW-14B, and MW-15 were sampled during March 2020 event for the fourth time and therefore do not have sufficient data for statistical analysis.

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Table 9
Gude Landfill Groundwater Monitoring Data
Chemical Constituents with Statistically Significant Decreasing Trends
(2001 through March 2020)

Parameter	GROUNDWATER MONITORING WELL LOCATIONS																																																	
	Northwest										West						Southwest			South			Southeast						Northeast																					
	MW-8	MW-11A	MW-11B	MW-12	MW-13A	MW-13B	OB03	OB03A	OB04	OB04A	OB105	MW-6	MW-7	MW-9	MW-10	MW-19A	MW-19B	OB01	OB02	OB02A	MW-21B	OB015	OB12	MW-22A	MW-22B	OB11	OB11A	OB025	MW-3A	MW-3B	MW-4	MW-24B	OB08	OB08A	OB10	MW-1B	MW-2A	MW-2B	OB06	OB07	OB07A	OB102								
1,1-Dichloroethane					X	X	X	X				X					X									X																								
1,2-Dichloroethane						X						X																																						
1,2-Dichloropropane						X	X	X																																										
1,4-Dichlorobenzene						X																																												
Benzene					X	X	X	X																			X																							
Chlorobenzene								X	X																	X																								
Chloroethane								X	X																																									
cis-1,2-Dichloroethene					X	X						X						X	X	X							X												X			X								
Methylene Chloride					X	X																	X				X																							
Tetrachloroethene					X	X	X						X				X									X	X										X	X					X							
trans-1,2-Dichloroethene					X	X		X																																										
Trichloroethene					X	X	X	X		X			X					X		X				X	X	X				X	X																			
Trichlorofluoromethane																																																		
Vinyl Chloride					X	X	X											X					X																											
Barium, total		X		X	X		X	X							X	X						X	X				X	X	X							X														
Cadmium, total																										X																								
Calcium, total		X		X	X						X			X	X							X					X	X																		X				
Chromium, total		X																								X																								
Cobalt, total		X						X	X													X				X	X																			X				
Copper, total	X	X			X		X	X				X						X	X	X			X	X		X	X																	X						
Iron, total	X	X		X	X		X	X		X	X			X								X	X			X	X		X	X	X						X						X	X						
Lead, total		X										X										X					X	X																						
Magnesium, total		X		X	X										X											X	X																			X				
Manganese, total		X		X																		X			X			X	X	X							X		X											
Mercury, total					X																																													
Nickel, total				X				X														X			X				X																					
Potassium, total		X		X																		X			X		X											X		X	X									
Selenium, total												X																																						
Sodium, total	X				X									X													X	X													X	X				X				
Vanadium, total		X			X																						X	X																						
Zinc, total	X	X		X	X		X	X				X											X				X	X	X								X					X				X				
Alkalinity		X			X	X								X	X			X										X	X		X																			
Ammonia Nitrogen							X	X																			X																							
Chemical Oxygen Demand																																																X		
Chloride	X			X											X																																			
Dissolved Oxygen, Field																											X																							
Nitrate					X								X											X																						X				
ORP, Field	X	X	X	X	X	X	X	X	X		X	X	X	X				X				X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
pH, Field		X	X			X			X																		X																							
Specific Conductivity, Field															X																																			
Sulfate, total											X																																							
Total Dissolved Solids				X	X										X								X				X																			X	X			
Turbidity				X					X									X																																
Turbidity, Field		X			X						X	X	X	X				X						X																									X	

Notes:
1. Monitoring wells MW-16A, MW-16B, MW-21A, MW-23A, MW-23B, and MW-24A had no parameters with decreasing trends.
2. Existing 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 first sampled in 2010.
3. 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 first sampled in Fall 2017.
4. MW-14A, MW-14B, and MW-15 were sampled during March 2020 event for the fourth time and therefore do not have sufficient data for statistical analysis.

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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 A. Szanski

DATE 3/4/2020 TIME 0850 WEATHER 46°F, Sunny

WELL DEPTH 98.5 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 47 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 78-98 ft bgs PUMP DEPTH 75 ft
 PUMP START TIME 0850 min PUMP END TIME 0 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0920

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/4/20	0850		6.00	85.6	14.6	246.2	-1.0	8.43	47.3	0.5
	0855		6.00	87.3	15.4	237.0	0.1	8.46	47.3	0.5
	0900		6.00	93.5	18.3	213.3	3.0	8.00	47.4	0.5
	0905		5.99	95.5	18.9	219.4	5.2	8.00	47.3	0.5
	0910		6.00	95.6	19.1	221.2	27.8	8.07	47.65	0.5
	0915		5.99	92.2	18.9	229.0	36.9	8.30	47.75	0.5
	0920		5.99		18.9	232.2	36.1	8.27	47.8	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamski

DATE 3 / 2 / 2020 TIME 1530 WEATHER 50'S Cloudy

WELL DEPTH <u> 78 </u> ft bgs	CASING HEIGHT <u> 2 </u> ft
WATER DEPTH <u> 65.8 </u> ft	WELL DIAMETER <u> 2 </u> in
SCREEN INTERVAL <u> 55-75 </u> ft bgs	PUMP DEPTH <u> 70 </u> ft
PUMP START TIME <u> 1530 </u> min	PUMP END TIME <u> 1615 </u> min
PUMP RATE <u> 0.5 </u> LPM	
SAMPLING METHOD <u> Low-flow </u>	SAMPLING TIME <u> 1605 </u>

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 ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/2/20	1530		5.31	53.2	14.9	254.7	100.5	6.03	67.5	0.8
	1535		5.23	53.8	15.9	267.7	72.8	5.85	67.55	0.6
	1540		5.20	52.6	16.6	278.1	36.2	5.8	67.45	0.5
	1545		5.18	52.7	16.8	288.2	36.9	5.67	67.35	0.5
	1550		5.18	52.5	17.1	295.0	40.4	5.76	67.20	0.5
	1555		5.17	52.9	17.1	298.6	30.3	5.83	67.20	0.5
	1600		5.17	53.0	17.3	299.9	34.0	5.84	67.20	0.5
↓	1605		5.17	52.6	17.3	302.4	38.0	5.85	67.25	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE *[Signature]*



WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3/3/2020 TIME 0925 WEATHER 50°F Overcast

WELL DEPTH 110.5 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 64.5 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 88-108 ft bgs PUMP DEPTH 90 ft
 PUMP START TIME 0925 min PUMP END TIME 1013 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1000

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/3/20	0925		5.42	57.1	14.1	247.9	16.6	5.97	65.7	0.8
	0930		5.35	57	14.5	258.1	3.4	5.94	65.2	0.7
	0935		5.31	56.6	15.5	275.4	-2.4	5.94	65.25	0.5
	0940		5.28	56.3	15.7	284.9	-2.9	5.92	65.3	0.5
	0945		5.27	56.1	15.8	294.6	-3.3	5.90	65.3	0.5
	0950		5.27	55.9	15.9	299.9	-3.3	5.89	65.3	0.5
	0955		5.26	55.5	15.9	303.7	-3.3	5.91	65.3	0.5
	1000		5.26	55.7	15.9	306.1	-3.2	5.92	65.3	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

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

DATE 3 / 4 / 2020 TIME 1027 WEATHER 51°F, Sunny

WELL DEPTH 25.8 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 9 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 15 ft
 PUMP START TIME 0927 min PUMP END TIME 1120 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1107

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/4/20	1027		6.14	121.7	13.5	242.7	124.9	7.88	9.7	0.6
	1032		6.15	106.1	14.2	235.1	51.9	7.42	9.85	0.6
	1037		6.07	90.1	14.4	234.2	35.0	8.03	9.9	0.5
	1042		6.05	87.2	14.5	236.3	39.7	8.05	9.9	0.5
	1047		6.01	86.0	14.7	244.8	16.7	8.15	9.91	0.5
	1052		5.95	72.4	14.8	245.4	3.3	8.22	9.91	0.5
	1057		5.94	68.1	14.9	249.0	4.6	8.30	9.92	0.5
	1102		5.93	62.3	15.1	256.0	5.3	8.35	9.95	0.5
↓	1107		5.93	57.1	14.9	260.0	6.2	8.43	9.95	0.5

METHANE READING (GEM) 6.00%

COMMENTS _____

SIGNATURE *A. Szanski*



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-3B SAMPLE ID. MW-3B
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szadewski

DATE 3/14/2020 TIME 1143 WEATHER 55°F Sunny

WELL DEPTH 96.6 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 8.0 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 76-96 ft bgs PUMP DEPTH 85 ft
 PUMP START TIME 1143 min PUMP END TIME _____ min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1208

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	°C	mV	NTU	mg/L		LPM
3/14/20	1143		5.80	44.8	13.9	292.6	2.3	8.20	10.4	0.4
3/14/20	1148		5.77	43.6	13.9	281.9	0.7	8.19	12.3	0.4
3/14/20	1153		5.76	43.7	13.8	267.6	0.1	8.18	13.6	0.4
3/14/20	1158		5.77	44.7	13.5	260.6	1.0	8.12	15.4	0.4
3/14/20	1203		5.78	44.6	14.2	260.0	0.3	8.11	17.8	0.4
3/14/20	1208		5.78	44.6	14.4	262.2	0.7	8.10	18.2	0.4

METHANE READING (GEM) 0.00%
 COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID MW-4 SAMPLE ID. MW-4
WELL/SITE DESCRIPTION Gude Landfill
SAMPLING PERSONNEL A Stamidal

DATE 3/16/2020 TIME _____ WEATHER 35°F, Sunny

WELL DEPTH 26.65 ft bgs CASING HEIGHT 2 ft
WATER DEPTH 6.55 ft WELL DIAMETER 2 in
SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 15 ft
PUMP START TIME 0840 min PUMP END TIME 0919 min
PUMP RATE 0.4 LPM
SAMPLING METHOD Low-flow SAMPLING TIME 0910

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 7.3 ft, PUMP DEPTH 15 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/16/20 ↓	0840		5.90	681	9.4	91.6	—	1.77	6.6	0.4
	0845		5.65	706	11.3	109.2	—	1.01	6.6	0.4
	0850		5.62	721	12.0	111.0	-27000	0.81	6.4	0.4
	0855		5.61	730	12.4	112.4	55.3	0.74	6.7	0.4
	0900		5.60	738	12.8	130.2	50.5	0.69	6.7	0.4
	0905		5.60	738	12.9	131.4	55.1	0.69	6.7	0.4
	0910		5.60	739	13.0	135.8	51.2	0.66	6.7	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE _____

WELL PURGING AND SAMPLING RECORD

WELL ID MW-6 SAMPLE ID. MW-6

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3 / 12 / 2020 TIME 1041 WEATHER 52°F, Sunny

WELL DEPTH 27.55 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 14.05 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 18 ft
 PUMP START TIME 1041 min PUMP END TIME 1123 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1111

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ²	°C	mV	NTU	mg/L	from TOC	LPM
3/12/20	1041		5.71	2444	15.1	85	-	1.40	15.1	0.2
	1046		5.68	2465	15.6	70.7	-	0.72	15.3	0.2
	1051		5.75	2429	16.6	38.3	36.2	0.57	15.95	0.2
	1056		5.73	2520	17.0	37.2	26.6	0.51	15.9	0.2
	1101		5.72	2528	17.0	38.5	21.0	0.50	15.9	0.2
	1106		5.72	2548	17.1	42.0	17.8	0.47	15.9	0.2
	1111		5.71	2554	17.1	43.7	17.1	0.47	15.9	0.2

METHANE READING (GEM) 0.00%

COMMENTS

SIGNATURE 

WELL PURGING AND SAMPLING RECORD

WELL ID MW-7 SAMPLE ID. MW-7
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3 / 3 / 2020 TIME 1540 WEATHER 50s Sunny

WELL DEPTH 55.4 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 43.15 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 33-53 ft bgs PUMP DEPTH 50 ft
 PUMP START TIME 1540 min PUMP END TIME 1622 min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1610

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/3/20	1540		5.75	881	22.6	197.7	43.6	1.74	43.8	0.4
	1545		5.79	783	20.1	188.0	18.5	1.58	44.7	0.4
	1550		5.73	703	19.7	197.6	19.3	2.26	44.3	0.3
	1555		5.69	706	19.2	199.2	16.8	2.30	45.2	0.4
	1600		5.71	644	19.0	208.9	2.1	0.5	47.4	0.4
	1605		5.71	644	18.9	213.8	1.5	0.49	47.9	0.4
↓	1610		5.71	641	18.9	214.3	1.9	0.44	48.2	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID MW-8 SAMPLE ID. MW-8
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Stanski

DATE 3 / 10 / 2020 TIME 1415 WEATHER 57°F partly cloudy

WELL DEPTH 32.1 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 21.2 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 10-30 ft bgs PUMP DEPTH 26 ft
 PUMP START TIME 1415 min PUMP END TIME 1443 min
 PUMP RATE 6.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1435

HISTORICAL DATA: WELL DEPTH 30 ft bgs, WATER DEPTH 22 ft, PUMP DEPTH 28 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	°C	mV	NTU	mg/L		LPM
3/10/20	1415		6.91	1142	14.2	145.9	205.6	3.66	21.35	0.4
	1420		6.39	1163	14.6	124.5	84.8	3.47	21.35	0.3
	1425		6.88	1192	16.0	109.5	16.5	3.13	21.35	0.3
	1430		6.87	1192	16.1	111.2	7.8	2.99	21.4	0.3
	1430		6.87	1193	16.1	110.8	7.2	2.98	21.4	0.3
	1435		6.87	1195	16.1	109.5	7.0	2.96	21.45	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Stanski



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-9 SAMPLE ID. MW-9

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamski

DATE 3/17/2020 TIME 1408

WEATHER 59°F partly sunny

WELL DEPTH 24.1 ft bgs

CASING HEIGHT 2 ft

WATER DEPTH 17.0 ft

WELL DIAMETER 2 in

SCREEN INTERVAL 5-25 ft bgs

PUMP DEPTH 22 ft

PUMP START TIME 1408 min

PUMP END TIME 1459 min

PUMP RATE 0.3 LPM

SAMPLING METHOD Low-flow

SAMPLING TIME 1448

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 18.2 ft, PUMP DEPTH 23 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 ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/17/20	1408		5.53	168.2	16.7	203.7	—	6.11	18.0	0.3
	1413		5.32	175.7	17.5	194.2	—	5.81	18.1	0.3
	1418		5.65	161.7	20.0	223.9	—	5.65	18.3	0.3
	1423		5.06	162.4	20.3	223.1	121.4	5.64	18.3	0.3
	1428		5.04	176.7	20.2	229.6	103.8	5.72	18.3	0.3
	1433		5.04	182.4	20.4	228.6	121.7	5.72	18.3	0.3
	1438		5.05	187.6	20.6	228.1	91.0	5.73	18.4	0.3
	1443		5.05	187.0	20.6	228.2	93.2	5.72	18.3	0.3
	1448		5.05	185.7	20.6	228.7	92.7	5.71	18.3	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

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EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-10 SAMPLE ID. MW-10
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamsta

DATE 3/16/2020 TIME 1434 WEATHER 52°F Partly Cloudy

WELL DEPTH 24.45 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 6.25 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 15 ft
 PUMP START TIME 1434 min PUMP END TIME 1545 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1534

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. μS/cm ^c	Temp. °C	ORP mV	Turb. NTU	DO mg/L	Depth to Water from TOC	Pump Rate
		Unit: Gal								--
3/16/20	1434		5.77	115.6	12.5	176.2	—	4.29	6.4	0.3
	1439		5.66	114.2	12.4	170.2	—	4.02	6.6	0.3
	1444		5.66	116.1	13.2	176.6	—	4.02	6.85	0.3
	1449		5.67	117.6	13.7	175.2	—	4.08	6.9	0.3
	1454		5.66	120.0	14.5	176.5	—	4.17	7.05	0.3
	1459		5.67	119.6	14.4	177.3	3076	4.28	7.15	0.3
	1504		5.67	120.2	14.9	173.8	98.2	4.45	7.15	0.3
	1509		5.65	120.2	15.0	174.9	79.9	4.29	7.15	0.3
	1514		5.66	126.2	14.8	176.4	84.8	4.24	7.20	0.3
	1519		5.66	120.9	14.9	176.0	70.3	4.06	7.20	0.3
	1524		5.66	122.1	15.1	176.8	80.1	3.89	7.25	0.3
	1529		5.66	122.3	15.2	177.9	77.2	3.75	7.30	0.3
↓	1534		5.66	122.2	15.0	175.9	76.2	3.65	7.30	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID MW-11A SAMPLE ID. MW-11A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Stamski

DATE 3/16/2020 TIME 1156 WEATHER 48°F, Sunny

WELL DEPTH 28.5 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 13.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 10-30 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 1156 min PUMP END TIME 1252 min
 PUMP RATE 0.2 LPM SAMPLING TIME 1236
 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 ^o	°C	mV	NTU	mg/L		LPM
3/16/20	1156		5.37	138.4	12.3	191.3	—	6.96	14.1	0.2
	1201		5.30	135.3	12.7	188.9	—	6.71	14.1	0.2
	1206		5.31	136.5	14.1	190.5	—	6.81	14.1	0.2
	1211		5.31	141.3	16.2	195.7	—	6.68	14.2	0.2
	1216		5.30	143.2	16.1	143.6	—	6.53	14.4	0.2
	1221		5.29	148.7	16.1	197	78.1	6.89	14.4	0.2
	1226		5.28	157.1	16.8	188.2	89.7	6.19	14.4	0.2
	1231		5.29	158.6	17.3	200.6	78.2	6.13	14.4	0.2
↓	1236		5.29	157.3	16.9	201.9	78.4	6.14	14.4	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID MW-11B SAMPLE ID. MW-11B
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamko

DATE 3/16/2020 TIME 1309 WEATHER 51°F Star Overcast

WELL DEPTH 89.6 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 15.85 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 73-93 ft bgs PUMP DEPTH 80 ft
 PUMP START TIME 1309 min PUMP END TIME 1355 min
 PUMP RATE 0.4 LPM SAMPLING TIME 1344
 SAMPLING METHOD Low-flow

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 ^c	°C	mV	NTU	mg/L		LPM
3/16/20	1309		5.99	269.4	13.2	184.8	14.6	4.82	15.9	0.4
	1314		5.99	269.9	13.0	175.2	8.0	4.18	16.0	0.4
	1319		6.01	271.5	13.6	163.3	11.1	4.07	16.0	0.4
	1324		6.01	270.5	13.9	162.6	12.3	3.99	16.0	0.4
	1329		6.01	270.7	14.0	162.7	8.0	3.98	16.0	0.4
	1324		6.01	271.2	14.0	163.3	5.9	3.96	16.0	0.4
	1329		6.01	271.4	14.1	164.1	4.6	3.95	16.0	0.4
	1344		6.01	272.1	14.2	165.2	4.2	3.90	16.0	0.4

METHANE READING (GEM) 0.006

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID MW-12 SAMPLE ID. MW-12
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamsci

DATE 3/16/2020 TIME 1000 WEATHER 43°F Sunny

WELL DEPTH 23.4 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 13.65 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 1000 min PUMP END TIME 1054 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1045

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/16/20	1000		5.12	690	14.6	194.7	-	6.16	13.7	0.5
	1005		5.59	621	15.2	201.1	-	5.62	13.9	0.5
	1010		5.06	722	16.2	211.8	77.7	5.79	13.9	0.5
	1015		5.04	748	16.3	221.7	35.8	6.04	13.9	0.4
	1020		5.09	728	17.2	220.8	40.6	5.97	13.9	0.5
	1025		5.05	755	17.1	227.3	19.0	6.01	13.95	0.5
	1030		5.02	773	17.1	231.7	13.6	6.04	13.95	0.5
	1035		5.00	770	16.3	232	14.3	6.09	13.9	0.5
	1040		5.00	787	17.2	228.8	13.8	6.07	13.9	0.5
	1045		5.00	798	17.6	228.1	13.2	6.05	13.9	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

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WELL PURGING AND SAMPLING RECORD

WELL ID MW-13A SAMPLE ID. MW-13A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamota

DATE 3/9/2020 TIME 0955 WEATHER 83°F Sunny

WELL DEPTH 24.65 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 6.1 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 15 ft
 PUMP START TIME 0955 min PUMP END TIME 1040 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1025

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/9/20	0955		5.16	263.9	10.4	264.1	182.6	1.16	6.70	0.5
	1000		5.10	321.1	12.1	265.6	27.1	0.60	6.70	0.5
	1005		5.10	321.1	12.4	266.5	30.9	0.56	6.80	0.5
	1010		5.10	324.5	12.6	266.6	34.5	0.53	6.65	0.4
	1015		5.10	325.1	12.8	264.3	33.0	0.49	6.65	0.5
	1020		5.10	326.3	13.0	262.7	32.7	0.48	6.70	0.5
	1025		5.10	327.0	13.1	261.2	32.3	0.46	6.70	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

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

DATE 3/9/2020 TIME 0830 WEATHER 39°F Sunny

WELL DEPTH 97.4 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 5.3 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 75-95 ft bgs PUMP DEPTH 85 ft
 PUMP START TIME 0830 min PUMP END TIME 0915 min
 PUMP RATE 0.3 LPM SAMPLING TIME 0900
 SAMPLING METHOD Low-flow

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/9/20	0830		6.02	643	12.4	243.8	10.4	0.75	5.4	0.3
	0835		5.99	630	11.6	237.7	10.3	0.64	5.4	0.3
	0840		5.99	630	11.6	233.7	11.1	0.61	5.4	0.3
	0845		5.98	633	11.8	232.2	11.2	0.58	5.4	0.3
	0850		5.98	636	11.9	230.7	11.6	0.54	5.4	0.3
	0855		5.99	635	11.8	230.7	11.5	0.55	5.4	0.3
	0900		5.99	629	11.9	230.8	11.5	0.57	5.4	0.3

DUPLICATE SAMPLE ID: **OB30**

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID MW-14A SAMPLE ID. MW-14A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3/17/2020 TIME 1157 WEATHER 49°F partly cloudy

WELL DEPTH 39.0 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 16.2 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 30-40 ft bgs PUMP DEPTH 32 ft
 PUMP START TIME 1157 min PUMP END TIME 1339 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1327

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ²	°C	mV	NTU	mg/L		LPM
3/17/20	1157		5.27	1082	15.3	242.6	—	7.84	16.55	0.2
	1202		5.06	1062	15.6	208.3	—	6.92	16.55	0.2
	1207		5.06	1062	15.9	206.6	—	6.91	16.55	0.2
	1212		5.06	1068	16.5	207.5	—	6.85	16.55	0.2
	1217		5.05	1104	17.8	208.4	—	6.87	16.55	0.2
	1222		5.05	1096	17.6	209.2	—	6.86	16.55	0.2
	1227		5.05	1107	18.0	210.6	—	6.89	16.6	0.2
	1232		5.04	1120	18.2	212.7	—	6.85	16.6	0.2
	1237		5.04	1147	18.2	217.9	—	6.87	16.7	0.2
	1242		5.04	1149	18.0	223.8	24503	6.88	16.75	0.2
	1247		5.04	1158	18.0	227.5	113.3	6.87	16.7	0.2
	1252		5.04	1142	18.1	232.9	64.8	6.84	16.7	0.2
↓	1257		5.04	1126	18.1	235.2	910.4	6.80	16.7	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szanski



EA Engineering, Science,
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WELL PURGING AND SAMPLING RECORD (Continued)

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

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
3/17/20	1302		5.04	1121	18.1	239.2	43.4	6.67	16.7	0.2
	1307		5.04	1097	18.1	241.4	69.6	6.73	16.75	0.2
	1312		5.04	1101	18.2	243.2	36.3	6.70	16.75	0.2
	1317		5.05	1091	18.3	244.2	25.8	6.64	16.75	0.2
	1322		5.05	1087	18.3	245.2	27.9	6.64	16.75	0.2
↓	1327		5.05	1085	18.2	247.2	28.1	6.64	16.75	0.2

SAMPLING TIME 1327

COMMENTS _____



WELL PURGING AND SAMPLING RECORD

WELL ID MW-14B SAMPLE ID. MW-14B
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamster

DATE 3 / 17 / 2020 TIME 1115 WEATHER 48°F, Partly Sunny

WELL DEPTH 98.1 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 18.15 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 88-98 ft bgs PUMP DEPTH 90 ft
 PUMP START TIME 1115 min PUMP END TIME 1146 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1135

HISTORICAL DATA: WELL DEPTH 98 ft bgs, WATER DEPTH 92 ft, PUMP DEPTH 92 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 ^c	°C	mV	NTU	mg/L		LPM
3/17/20	1115		5.54	202.9	14.7	243.2	17.4	6.23	18.3	0.2
	1120		5.47	199.2	14.1	201.1	9.5	5.48	18.3	0.2
	1125		5.55	200.3	14.4	184.9	10.1	5.61	18.3	0.2
	1130		5.56	202.0	14.7	184.3	11.4	5.52	18.3	0.2
	1135		5.56	203.3	14.9	188.0	10.5	5.43	18.3	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE *A. Szamster*



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 A. Szamota

DATE 3/17/2020 TIME 0850 WEATHER 43°F, cloudy

WELL DEPTH 38.8 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 11.5 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 30-40 ft bgs PUMP DEPTH 30 ft
 PUMP START TIME 0850 min PUMP END TIME 1021 min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1010

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/17/20	0850		5.39	297.0	14.3	207.4	—	0.30	11.7	0.4
	0855		5.24	305.3	15.5	204.6	—	0.76	11.8	0.4
	0900		5.26	303.9	15.4	207.2	—	0.63	11.7	0.4
	0905		5.28	306.7	15.9	203.3	—	0.51	11.7	0.4
	0910		5.29	306.7	16.2	203.7	—	0.49	11.7	0.4
	0915		5.29	304.7	16.3	205.4	—	0.45	11.7	0.4
	0920		5.31	307.6	16.6	212.1	—	0.52	11.7	0.4
	0925		5.29	306.4	16.5	212.7	—	0.50	11.7	0.4
	0930		5.29	308.6	16.6	215.1	-1026	0.52	11.7	0.4
	0935		5.29	304.0	16.6	217.3	-1082	0.51	11.7	0.4
	0940		5.28	307.8	16.6	218.5	117.2	0.52	11.75	0.4
	0945		5.29	307.8	16.7	217.5	123.2	0.52	11.75	0.4
✓	0950		5.28	306.2	16.7	220.6	70.7	0.51	11.75	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD (Continued)

WELL ID MW - 15 SAMPLE ID. MW - 15

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
3/17/20	0955		5.28	305.4	16.6	221.8	84.0	0.57	11.8	0.4
	1000		5.28	305.4	16.7	223.1	60.2	0.57	11.8	0.4
	1005		5.28	304.2	16.6	224.6	63.2	0.50	11.8	0.4
	1010		5.27	303.1	16.5	225.5	58.8	0.51	11.8	0.4

SAMPLING TIME 1010

COMMENTS _____



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 A. Szanski

DATE 3, 10, 2020 TIME 1148 WEATHER 58°F, rain

WELL DEPTH 63.7 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 45.3 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 40-60 ft bgs PUMP DEPTH 50 ft
 PUMP START TIME 1148 min PUMP END TIME 1258 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1238

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
3/10/20	1148		6.28	690	18.3	32.3	6.7	0.92	46.2	0.5
	1153		6.25	729	17.3	14.1	7.2	0.74	47.0	0.5
	1158		6.25	752	19.7	1.7	123.0	0.67	47.0	0.5
	1203		6.25	768	20.4	-9.8	110.9	0.60	46.3	0.5
	1208		6.25	771	20.3	-19.9	113.7	0.55	46.35	0.5
	1213		6.26	776	20.4	-26.5	65.5	0.51	46.38	0.5
	1218		6.26	780	20.5	-30.6	50.5	0.48	46.3	0.5
	1223		6.26	780	20.5	-35.9	45.6	0.44	46.45	0.5
	1228		6.26	778	20.4	-32.5	23.5	0.42	46.5	0.5
	1232		6.26	779	20.5	-38.7	20.9	0.41	46.6	0.5
	1238		6.26	782	20.6	-38.3	19.8	0.39	46.6	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szanski



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scamzi

DATE 3 11 2020 TIME 1303 WEATHER 60°F Cloudy

WELL DEPTH 103.5 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 44.6 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 80-100 ft bgs PUMP DEPTH 80 ft
 PUMP START TIME 1303 min PUMP END TIME 1352 min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1333

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 ^c	°C	mV	NTU	mg/L		LPM
3/11/20	1303		6.56	898	18.2	125.8	12.4	5.35	45	0.4
	1308		6.18	929	18.7	140.3	16.2	3.55	45	0.4
	1313		5.99	1102	19.4	123.2	1.41	3.6	45	0.4
	1318		5.90	1102	19.4	121.5	1.42	3.5	45.5	0.4
	1323		5.95	1132	19.6	111.7	1.8	0.94	45.5	0.4
	1328		5.95	1145	19.6	107.1	0.9	0.169	46.0	0.4
	1333		5.95	1150	19.6	106.8	0.7	0.104	45.1	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE [Signature]



WELL PURGING AND SAMPLING RECORD

WELL ID MW-19A SAMPLE ID. MW-19A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3 / 12 / 2020 TIME 0823 WEATHER 44°F, Overcast

WELL DEPTH 28.6 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 4.2 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 6-26 ft bgs PUMP DEPTH 15 ft
 PUMP START TIME 0823 min PUMP END TIME 0914 min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0903

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/12/20	0823		5.65	1196	13.0	211.3	5700	0.90	4.5	0.4
	0828		5.62	1196	13.0	213.4	40602	0.85	4.5	0.4
	0833		5.59	1200	13.2	217.4	47570	0.74	4.5	0.4
	0838		5.56	1192	13.5	231.2	92.8	0.604	4.4	0.4
	0843		5.55	1203	13.5	237.3	59.6	0.60	4.4	0.4
	0848		5.55	1197	13.5	245.4	42.0	0.57	4.4	0.4
	0853		5.55	1190	13.3	249.8	12.9	0.56	4.4	0.4
	0858		5.54	1194	13.4	252.2	11.9	0.55	4.4	0.4
✓	0903		5.54	1196	13.4	255.7	11.2	0.53	4.4	0.4

METHANE READING (GEM) 0.0096

COMMENTS _____

SIGNATURE *A. Szanski*



WELL PURGING AND SAMPLING RECORD

WELL ID MW-19B SAMPLE ID. MW-19B
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3 / 12 / 2020 TIME 0918 WEATHER 49°F, overcast

WELL DEPTH 78.6 HIST 78.62 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 3.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 56-76 ft bgs PUMP DEPTH 65 ft
 PUMP START TIME 0918 min PUMP END TIME 1012 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0958

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ²	°C	mV	NTU	mg/L	from TOC	LPM
3/12/20	0918		6.58	810	12.6	182	3.8	6.44	3.8	0.3
	0923		6.10	794	11.5	176.4	4.9	1.10	3.8	0.3
	0928		6.04	800	11.6	169.8	3.7	0.82	3.8	0.3
	0933		5.93	843	12.0	172.8	3.6	0.71	3.8	0.3
	0938		5.85	883	12.0	179.4	6.9	0.65	3.8	0.3
	0943		5.80	918	12.5	183.8	6.6	0.59	3.8	0.3
	0948		5.79	941	12.9	186.9	5.3	0.54	3.8	0.3
	0953		5.79	949	13.0	188.9	3.9	0.57	3.8	0.3
↓	0958		5.79	953	13.0	190.5	21.1	0.49	3.8	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE *A. Szanski*

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamski

DATE 3/11/2020 TIME 1136 WEATHER 49°F overcast

WELL DEPTH 29 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 6.1 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 6-26 ft bgs PUMP DEPTH 15 ft
 PUMP START TIME 1136 min PUMP END TIME 1204 min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1156

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/11/20	1136		6.57	693	10.5	39.5	4826	1.29	6.5	0.4
	1141		6.27	679	10.9	59.9	49.6	0.81	6.55	0.4
	1146		6.23	691	11.2	61.5	20.8	0.60	6.6	0.4
	1151		6.22	697	11.3	60.0	19.2	0.59	6.65	0.4
	1156		6.22	202	11.3	58.2	16.3	0.51	6.65	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szamski

WELL PURGING AND SAMPLING RECORD

WELL ID MW-21B SAMPLE ID. MW-21B
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3 / 11 / 2020 TIME 1212 WEATHER 51°F overcast

WELL DEPTH 89.6 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 5.5 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 57-87 ft bgs PUMP DEPTH 70 ft
 PUMP START TIME 1212 min PUMP END TIME 1324 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1312

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/11/20	1212		6.62	782	12.7	-32.4	32.6	3.69	6.15	0.4
	1217		6.50	834	12.6	-36.5	15.9	0.76	6.15	0.4
	1222		6.50	780	11.8	-36.0	18.5	0.76	8.25	0.2
	1227		6.50	756	11.7	-32.4	19.6	0.72	9.30	0.3
	1232		6.51	736	12.9	-28.8	25.0	0.58	12.2	0.4
	1237		6.50	733	12.6	-28.7	23.6	0.56	13.5	0.3
	1242		6.42	819	12.3	17.2	23.1	0.58	14.7	0.3
	1247		6.44	806	14.3	3.2	27.2	0.62	16.3	0.3
	1252		6.47	775	13.7	-30.2	28.5	0.72	18.6	0.3
	1257		6.45	764	12.8	-27.0	30.0	0.89	19.8	0.3
	1302		6.44	784	13.0	-24.2	33.1	0.92	20.8	0.3
	1307		6.45	783	13.1	-22.6	36.2	0.93	21.8	0.3
✓	1312		6.44	779	13.1	-19.3	37.9	1.00	21.9	0.3

METHANE READING (GEM) 0.00%

COMMENTS Struggled to pump, brown in color

SIGNATURE





WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamora

DATE 3/15/2020 TIME 1152 WEATHER 49°F Sunny

WELL DEPTH <u>27.6</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>5.9</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>6-26</u> ft bgs	PUMP DEPTH <u>15</u> ft
PUMP START TIME <u>1152</u> min	PUMP END TIME <u>1232</u> min
PUMP RATE <u>0.5</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1222</u>

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/15/20	1152		6.47	1031	13.1	10.9	39.9	0.87	6.4	0.5
3/15/20	1157		6.44	1026	13.0	16.3	21.5	0.62	6.4	0.5
3/15/20	1202		6.43	1019	12.9	20.6	7.8	0.55	6.4	0.5
3/15/20	1207		6.43	1015	12.9	21.8	7.0	0.53	6.4	0.5
3/15/20	1212		6.43	1008	12.8	24.9	5.8	0.50	6.4	0.5
3/15/20	1217		6.42	1006	12.8	24.8	3.2	0.47	6.5	0.5
3/15/20	1222		6.43	1005	12.9	23.4	3.0	0.46	6.5	0.5

METHANE READING (GEM) 0.00%

COMMENTS Slight yellow tint to samples

SIGNATURE



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 A. Stamped

DATE 3/15/2020 TIME _____ WEATHER 52°F overcast

WELL DEPTH <u>99.4</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>4</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>77-97</u> ft bgs	PUMP DEPTH <u>85</u> ft
PUMP START TIME <u>1250</u> min	PUMP END TIME <u>1339</u> min
PUMP RATE <u>0.3</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1325</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 ^c	°C	mV	NTU	mg/L		LPM
3/15/20	1250		6.93	837	13.6	-50.5	12.3	0.72	10.6	0.30
3/15/20	1255		6.88	829	13.2	-45.6	7.3	0.64	13.6	0.30
3/15/20	1300		6.88	852	14.4	-47.9	16.8	0.56	15.1	0.30
3/15/20	1305		6.88	848	14.1	-48.4	24.6	0.55	15.6	0.30
3/15/20	1310		6.88	830	13.3	-48.5	38.8	0.56	15.8	0.30
3/15/20	1315		6.87	829	13.2	-47.3	7.3	0.58	15.9	0.30
3/15/20	1320		6.88	824	13.0	-46.4	8.7	0.59	16.0	0.30
3/15/20	1325		6.88	830	13.0	-46.3	8.9	0.58	16.1	0.30

METHANE READING (GEM) 0.00%

COMMENTS Someone moving around in RV parked across stream

was an odor to it

SIGNATURE



WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamoc

DATE 3/12/2020 TIME 1320

WEATHER 59°F, Sunny

WELL DEPTH 82.7 ft bgs CASING HEIGHT 0 ft
 WATER DEPTH 23.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 68-88 ft bgs PUMP DEPTH 40 ft
 PUMP START TIME 1320 min PUMP END TIME 1416 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1400

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/12/20	1320		7.00	176.1	14.5	-50.0	14.6	1.83	25.5	0.3
	1325		6.69	171.3	15.0	-69.6	10.0	0.91	25.6	0.3
	1330		6.66	178.2	16.1	-80.7	8.1	0.89	26.1	0.3
	1335		6.68	184.3	16.4	-100.2	6.2	0.83	26.1	0.3
	1340		6.73	191.1	16.6	-29.9	4.7	0.78	26.1	0.3
	1345		6.75	198.0	17.1	-142.0	3.9	0.69	26.1	0.3
	1350		6.79	202.6	17.2	-148.7	3.7	0.67	26.1	0.3
	1355		6.78	209.5	17.2	-152.6	3.3	0.66	26.1	0.3
	1400		6.78	216.2	17.3	-153.5	3.3	0.66	26.1	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szamoc



WELL PURGING AND SAMPLING RECORD

WELL ID MW-23B SAMPLE ID. MW-23B
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3/12/2020 TIME 1424 WEATHER 61°F Sunny

WELL DEPTH 45.1 ft bgs CASING HEIGHT 0 ft
 WATER DEPTH 24.45 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 26-46 (ft bgs) PUMP DEPTH 35 ft
 PUMP START TIME 1424 min PUMP END TIME 1604 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1549

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ²	°C	mV	NTU	mg/L		LPM
3/12/20	1424		5.16	490.3	14.8	168.3	-	2.53	25.3	0.5
	1429		5.05	505	15.0	161.1	-	2.13	25.4	0.5
	1434		5.04	509	16.3	173.7	-	2.07	25.45	0.5
	1439		4.99	508	15.2	208.7	122.2	2.45	25.6	0.5
	1444		5.03	523	16.5	203.0	-123.1	1.93	25.6	0.5
	1449		5.03	520	16.7	208.3	-309.8	1.86	25.6	0.5
	1454		5.03	519	16.7	211.9	-151.2	1.82	25.6	0.5
	1459		5.03	522	16.9	214.5	-153.2	1.86	25.6	0.5
	1504		5.03	520	16.8	217.6	-123.2	1.83	25.6	0.5
	1509		5.03	518	16.8	222.0	-706.2	1.84	25.6	0.5
	1514		5.03	519	16.6	224.5	-702.1	1.86	25.6	0.5
	1519		5.00	523	16.2	238.4	-150.7	2.04	25.6	0.5
↓	1524		5.00	520	16.2	243.7	-132.2	2.03	25.7	0.5

METHANE READING (GEM) 0.00%
 COMMENTS Very cloudy

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD (Continued)

WELL ID MW-233 SAMPLE ID. MW-233

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
8/12/20	1529		4.99	543	16.2	246.2	-576	2.11	26.7	0.5
	1534		5.04	520	16.4	249.3	-23.2	2.29	26.7	0.5
	1539		5.04	521	16.4	247.9	10.3	2.00	26.7	0.5
	1544		5.03	524	16.5	256.1	9.8	1.91	26.0	0.5
	1549		5.02	524	16.5	261.1	9.6	1.93	25.9	0.5

SAMPLING TIME 1549

COMMENTS Very murky

WELL PURGING AND SAMPLING RECORD

WELL ID MW-24A SAMPLE ID. MW-24A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3/5/2020 TIME 1010 WEATHER 46°F Sunny

WELL DEPTH 47.7 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 29.2 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 35-45 ft bgs PUMP DEPTH 40 ft
 PUMP START TIME 1010 min PUMP END TIME 1105 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1050

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/5/20	1010		6.27	1167	15.7	5.3	0.0	1.18	29.85	0.3
3/5/20	1015		6.12	1166	15.6	2.3	-1.3	0.76	29.9	0.3
3/5/20	1020		5.89	1289	17.6	8.6	-2.1	0.53	29.95	0.3
3/5/20	1025		5.86	1291	17.3	4.8	-1.5	0.47	29.9	0.3
3/5/20	1030		5.86	1309	17.8	2.3	-3.5	0.44	29.9	0.3
3/5/20	1035		5.85	1308	17.8	-1.5	-3.8	0.41	29.9	0.3
3/5/20	1040		5.86	1323	18.3	-4.3	-4.3	0.39	29.9	0.3
3/5/20	1045		5.85	1317	18.1	-6.3	-3.9	0.38	29.9	0.3
3/5/20	1050		5.85	1318	18.1	-7.7	-4.0	0.38	29.9	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamsci

DATE 3/5/2020 TIME 0840 WEATHER 43°F Sunny

WELL DEPTH <u>79.9</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>28.8</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>58-78</u> ft bgs	PUMP START TIME <u>0840</u> min
PUMP DEPTH (HIST) <u>68</u> ft	PUMP END TIME <u>0955</u> min
PUMP RATE <u>0.5</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>0930</u>


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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate LPM
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		
3/5/20	0840		6.85	1253	14.2	-73.1	9.3	1.14	29.3	0.5
3/5/20	0845		6.61	1282	14.6	-79.4	2.2	0.73	29.3	0.5
3/5/20	0850		6.56	1348	15.9	-83.4	6.4	0.60	29.2	0.5
3/5/20	0855		6.48	1412	16.1	-79.3	9.2	0.52	29.2	0.5
3/5/20	0900		6.44	1434	16.4	-77.7	14.5	0.49	29.4	0.5
3/5/20	0905		6.44	1446	16.4	-79.7	19.5	0.46	29.4	0.5
3/5/20	0910		6.45	1457	16.5	-82.7	28.4	0.44	29.4	0.5
3/5/20	0915		6.44	1458	16.8	-81.7	1.5	0.42	29.45	0.5
3/5/20	0920		6.42	1451	16.7	-81.6	3.1	0.41	29.45	0.5
3/5/20	0925		6.42	1442	16.6	-81.4	2.3	0.41	29.4	0.5
3/5/20	0930		6.42	1448	16.8	-81.6	3.2	0.40	29.4	0.5

DUPLICATE SAMPLE ID: **OB40**

METHANE READING (GEM) 0.00

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID OB01 SAMPLE ID. OB01

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamstki

DATE 3/12/2020 TIME 1200

WEATHER 55°F, Partly Cloudy

WELL DEPTH <u>76.9</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>13.1</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>35-75</u> ft bgs	PUMP DEPTH <u>55</u> ft
PUMP START TIME <u>1200</u> min	PUMP END TIME <u>1237</u> min
PUMP RATE <u>0.4</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1225</u>

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
<u>3/12/20</u>	<u>1200</u>		<u>5.49</u>	<u>2821</u>	<u>16.2</u>	<u>184.2</u>	<u>0.7</u>	<u>0.88</u>	<u>13.15</u>	<u>0.4</u>
	<u>1205</u>		<u>5.45</u>	<u>2818</u>	<u>16.0</u>	<u>186.6</u>	<u>0.1</u>	<u>0.67</u>	<u>13.15</u>	<u>0.4</u>
	<u>1210</u>		<u>5.45</u>	<u>2865</u>	<u>16.7</u>	<u>185.4</u>	<u>0.1</u>	<u>0.62</u>	<u>13.15</u>	<u>0.4</u>
	<u>1215</u>		<u>5.44</u>	<u>2879</u>	<u>16.8</u>	<u>185.7</u>	<u>0.1</u>	<u>0.58</u>	<u>13.20</u>	<u>0.4</u>
	<u>1220</u>		<u>5.44</u>	<u>2902</u>	<u>17.0</u>	<u>184.9</u>	<u>0.2</u>	<u>0.55</u>	<u>13.20</u>	<u>0.4</u>
	<u>1225</u>		<u>5.43</u>	<u>2902</u>	<u>17.0</u>	<u>184.2</u>	<u>0.2</u>	<u>0.52</u>	<u>13.15</u>	<u>0.4</u>

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID OB02 SAMPLE ID. OB02
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamsci

DATE 3/3/2020 TIME 1240 WEATHER 40s Rain

WELL DEPTH 119 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 14.8 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 71-121 ft bgs PUMP DEPTH 95 ft
 PUMP START TIME 1246 min PUMP END TIME 1321 min
 PUMP RATE 6.5 LPM SAMPLING TIME 1315
 SAMPLING METHOD Low-flow

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	°C	mV	NTU	mg/L		LPM
3/3/20	1240		6.13	655	14.0	223.3	3.6	0.96	15.8	0.9
	1245		6.11	663	14.3	192.8	3.5	0.62	16.9	0.5
	1250		6.11	663	14.3	190.6	2.7	0.59	18.0	0.5
	1255		6.12	677	15.3	187.8	2.4	0.54	18.7	0.5
	1300		6.12	679	15.4	185.6	3.1	0.46	20.0	0.5
	1305		6.12	677	15.3	183.9	4.4	0.46	20.0	0.5
	1310		6.12	686	15.9	181.1	5.3	0.43	20.5	0.5
	1315		6.12	687	15.8	181.1	7.3	0.42	21.0	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID OB02A SAMPLE ID. OB02A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamski

DATE 3 / 3 / 2020 TIME 1135 WEATHER 40s Rain

WELL DEPTH 75 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 14.65 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 37-77 ft bgs PUMP DEPTH 55 ft
 PUMP START TIME 1135 min PUMP END TIME 1221 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1210

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
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/3/20	1135		5.41	1009	13.8	295.4	140.4	1.48	14.9	0.5
	1140		5.45	1063	16.3	242.5	56.0	0.76	15.0	0.5
	1145		5.46	1105	16.7	239.1	17.4	0.62	15.05	0.5
	1150		5.48	1121	16.6	239.4	5.8	0.55	15.1	0.5
	1155		5.48	1115	16.4	241.2	5.3	0.50	15.1	0.5
	1200		5.48	1130	16.8	239.8	5.0	0.50	15.15	0.5
	1205		5.48	1130	16.9	239.3	4.8	0.50	15.15	0.5
	1210		5.48	1124	17.0	238.3	4.5	0.50	15.15	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID OB03 SAMPLE ID. OB03
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamiski

DATE 3/10/2020 TIME 1457 WEATHER 57°F Partly Cloudy

WELL DEPTH 149.1 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 21.6 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 104-154 ft bgs PUMP DEPTH 120 ft
 PUMP START TIME 1457 min PUMP END TIME 1538 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1522

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/10/20	1457		6.22	1152	16.7	9.8	13.4	0.57	21.8	0.3
	1502		6.08	1145	16.8	16.5	8.3	0.54	21.85	0.3
	1507		6.03	1144	16.9	22.1	7.4	0.50	21.85	0.3
	1512		5.88	1132	17.0	36.8	3.2	0.46	21.85	0.3
	1517		5.87	1132	17.1	39.6	3.0	0.43	21.9	0.3
	1522		5.87	1130	17.0	39.1	3.5	0.42	21.9	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE

WELL PURGING AND SAMPLING RECORD

WELL ID OB03A SAMPLE ID. OB03A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamsk

DATE 3 / 10 / 2020 TIME 0802 WEATHER 40°F Sunny

WELL DEPTH 96.4 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 22.1 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 50-97 ft bgs PUMP DEPTH 76 ft
 PUMP START TIME 0802 min PUMP END TIME 0842 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0832

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/11/20	0802		7.01	1233	15.8	2.1	38.5	4.69	22.2	0.3
	0807		6.91	1198	14.3	-2.0	27.4	4.07	22.2	0.3
	0812		6.91	1199	14.3	-1.4	28.2	4.08	22.2	0.3
	0817		6.89	1208	14.4	3.2	25.3	3.82	22.2	0.3
	0822		6.79	1249	15.5	0.1	14.4	3.25	22.2	0.3
	0827		6.78	1256	15.6	0.2	14.7	4.8	22.2	0.3
	0832		6.78	1255	15.7	0.5	14.0	3.9	22.2	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID OB04 SAMPLE ID. OB04
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3/9/2020 TIME 1250 WEATHER 66°F Sunny

WELL DEPTH 133.9 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 4.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 86-136 ft bgs PUMP DEPTH 110 ft
 PUMP START TIME 1250 min PUMP END TIME 1339 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1325

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/9/20	1250		5.99	1948	15.8	4.0	0.6	0.58	4.0	0.5
	1255		5.94	1962	15.7	33.9	0.2	0.54	4.3	0.5
	1300		5.94	1974	15.8	153.9	0.1	0.47	4.3	0.5
	1305		5.94	1972	15.8	172.8	1.0	0.45	4.3	0.5
	1310		5.94	1979	15.9	174.1	1.1	0.44	4.2	0.5
	1315		5.94	1985	16.1	175.5	0.9	0.43	4.2	0.5
	1320		5.94	1986	16.1	175.5	1.0	0.42	4.2	0.5
↓	1325		5.94	1989	16.1	175.2	1.0	0.41	4.2	0.5

METHANE READING (GEM) 0.00%
 COMMENTS Strong Odor

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID OB04A SAMPLE ID. OB04A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamska

DATE 3/9/2020 TIME 1147 WEATHER 100°F Sunny

WELL DEPTH 57.8 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 4.9 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 33-83 ft bgs PUMP DEPTH 50 ft
 PUMP START TIME 1147 min PUMP END TIME 1228 min
 PUMP RATE 0.4 LPM SAMPLING TIME 1217
 SAMPLING METHOD Low-flow

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/9/20	1147		5.59	1960	15.4	281.9	37.7	0.98	5.1	0.4
	1152		5.60	1981	15.9	268.1	10.3	0.78	5.1	0.4
	1157		5.61	1963	15.3	257.5	6.5	0.69	5.0	0.4
	1202		5.61	1957	15.2	254	2.9	0.69	5.0	0.4
	1207		5.61	1981	15.6	255.5	1.2	0.57	5.0	0.4
	1212		5.60	2002	15.8	259.2	0.6	0.54	5.0	0.4
	1217		5.60	1992	15.8	261.1	0.4	0.53	5.0	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szamska



WELL PURGING AND SAMPLING RECORD

WELL ID OB06 SAMPLE ID. OB06
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3 / 2 / 2020 TIME 1330 WEATHER 50s Partly Sunny

WELL DEPTH 67.8 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 8.40 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 26-66 ft bgs PUMP DEPTH 46.0 ft
 PUMP START TIME 1330 min PUMP END TIME 1417 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1410

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 ^c	°C	mV	NTU	mg/L		LPM
3/2/20	1330		6.04	1584	13.6	173.1	134.6	2.32	8.49	0.6
	1335		5.98	1589	13.7	164.4	203.5	1.09	8.5	0.5
	1340		5.96	1598	14.0	156.6	163.3	0.64	8.8	0.5
	1345		5.97	1606	14.1	153.4	51.9	0.56	9.82	0.5
	1350		5.97	1605	14.0	158.9	33.6	0.54	9.84	0.5
	1355		5.97	1608	14.0	164.5	28.3	0.51	9.9	0.5
	1400		5.97	1620	14.3	170.3	14.9	0.47	10.1	0.5
	1405		5.97	1616	14.3	175.2	10.9	0.44	8.85	0.5
	1410		5.97	1618	14.3	178.5	11.4	0.47	9.95	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID OB07 SAMPLE ID. OB07
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamst:

DATE 3 / 2 / 2020 TIME 1030 WEATHER 50s Partly Sunny

WELL DEPTH 141.28 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 6.15 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 31-81 ft bgs PUMP DEPTH 56 ft
 PUMP START TIME 1036 min PUMP END TIME 1115 min
 PUMP RATE 0.4 LPM SAMPLING TIME 1106
 SAMPLING METHOD Low-flow

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 ^c	°C	mV	NTU	mg/L		LPM
3/2/20	1036		6.75	1016	12.0	222.4	3.2	3.2	6.55	0.4
	1041		6.47	1023	12.2	202.1	3.8	3.8	6.8	0.4
	1046		6.43	1026	12.3	194.5	3.1	3.1	6.81	0.4
	1051		6.42	1033	12.6	187.5	2.6	2.6	6.85	0.4
	1056		6.42	1035	12.7	184.5	1.9	1.9	6.90	0.4
	1101		6.42	1035	12.7	182.5	1.2	1.2	6.90	0.4
	1106		6.42	1036	12.7	180.7	0.9	0.9	6.90	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

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

DATE 3 / 2 / 2020 TIME 1135 WEATHER 50s Partly Sunny

WELL DEPTH 98.55 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 5.60 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 26-76 ft bgs PUMP DEPTH 50 ft
 PUMP START TIME 1145 min PUMP END TIME 1216 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1210

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 ^c	°C	mV	NTU	mg/L		LPM
3/2/20	1145		6.51	568	13.0	174.8	9.26	5.73	5.58	0.9
	1150		6.01	591	13.8	195.5	1.80	5.26	5.58	0.5
	1155		5.88	548	12.3	210.1	2.5	4.16	5.69	0.5
	1200		5.86	556	12.5	216.7	-3.6	2.67	5.65	0.5
	1205		5.86	555	12.6	226.8	-3.7	2.63	5.65	0.5
	1210		5.85	557	12.6	223.0	-3.8	2.60	5.66	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 

WELL PURGING AND SAMPLING RECORD

WELL ID OB08 SAMPLE ID. OB08
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3/4/2020 TIME 1420 WEATHER 61°F Sunny

WELL DEPTH 139.65 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 6.0 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 59-109 ft bgs PUMP DEPTH 85 ft
 PUMP START TIME 1420 min PUMP END TIME 1535 min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1510

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 ^c	°C	mV	NTU	mg/L		LPM
3/4/20	1420		6.84	476.1	13.9	33.6	-2.3	1.42	6.45	0.4
3/4/20	1425		6.52	480.0	14.1	-18.5	-1.3	0.54	6.45	0.4
3/4/20	1430		6.46	485.3	14.2	-24.6	-1.7	0.50	6.45	0.4
3/4/20	1435		6.40	490.6	14.2	-19.1	-1.8	0.48	6.40	0.4
3/4/20	1440		6.37	505	14.3	-10.8	-2.3	0.45	6.40	0.4
3/4/20	1445		6.36	521	14.3	2.9	-3.2	0.43	6.40	0.4
3/4/20	1450		6.36	524	14.4	11.3	-3.3	0.42	6.40	0.4
3/4/20	1455		6.36	523	14.4	20.0	-3.5	0.41	6.40	0.4
3/4/20	1500		6.36	521	14.4	23.6	-3.7	0.40	6.40	0.4
3/4/20	1505		6.36	521	14.4	22.7	-3.5	0.41	6.40	0.4
3/4/20	1510		6.36	520	14.4	22.5	-3.2	0.40	6.40	0.4

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 

WELL PURGING AND SAMPLING RECORD

WELL ID OB08A SAMPLE ID. OB08A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Scamska

DATE 3/4/2020 TIME 1315 WEATHER 58°F Sunny

WELL DEPTH 82 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 6.2 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 95-154 ft bgs PUMP DEPTH 65 ft
 PUMP START TIME 1315 min PUMP END TIME 1360 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1350

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 ^c	°C	mV	NTU	mg/L		LPM
3/4/20	1315		6.01	593	13.8	106.2	4.7	0.95	6.7	0.5
3/4/20	1320		6.04		14.3	79.3	4.3	0.60	6.75	0.5
3/4/20	1325		6.05	598	14.3	70.1	3.1	0.52	6.7	0.5
3/4/20	1330		6.08	595	14.4	64.6	4.1	0.47	6.7	0.5
3/4/20	1335		6.09	592	14.4	60.4	4.0	0.45	6.7	0.5
3/4/20	1340		6.10	591	14.4	57.7	4.1	0.43	6.7	0.5
3/4/20	1345		6.10	591	14.4	55.7	2.9	0.42	6.7	0.5
3/4/20	1350		6.10	596	14.4	54.5	3.4	0.41	6.7	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID OB10 SAMPLE ID. OB10
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szanski

DATE 3/16/2020 TIME 0750 WEATHER 33°F, Sunny

WELL DEPTH 69.6 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 6.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 27-67 ft bg PUMP DEPTH 55 ft
 PUMP START TIME 0750 min PUMP END TIME 0830 min
 PUMP RATE 0.3 LPM PURGE DURATION (HIST.) 35 min
 SAMPLING METHOD Low-flow SAMPLING TIME 0820

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/16/20	0750		6.43	1098	11.7	65.8	22.7	4.15	6.7	0.3
	0755		5.81	1185	10.7	16.1	3.2	1.00	6.7	0.3
	0800		5.80	1213	11.5	9.3	1.6	0.84	6.7	0.3
	0805		5.79	1230	11.8	2.4	0.4	0.72	6.7	0.3
	0810		5.79	1242	12.1	0.4	0.3	0.65	6.7	0.3
	0815		5.79	1243	12.2	-1.0	0.2	0.63	6.7	0.3
	0820		5.20	1246	12.3	-1.0	0.3	0.62	6.7	0.3

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



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 A. Szanski

DATE 3/11/2020 TIME 0930 WEATHER 44°F, partly cloudy

WELL DEPTH 103.1 ft CASING HEIGHT 3 ft
 WATER DEPTH 8.1 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 40-90 ft bgs PUMP DEPTH 65 ft
 PUMP START TIME 0930 min PUMP END TIME 1014 min
 PUMP RATE 0.30 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1660

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/11/20	0930		6.55	1643	15.8	215.0	6.2	2.83	8.25	0.3
	0935		6.91	1576	14.0	208.8	7.7	2.43	8.3	0.3
	0940		6.08	1590	14.1	127.4	3.0	1.71	8.25	0.3
	0945		5.92	1618	14.4	64.7	1.2	1.08	8.25	0.3
	0950		5.92	1643	14.6	75.2	1.4	0.60	8.25	0.3
	0955		5.79	1682	14.7	78.3	0.4	0.60	8.25	0.3
	1000		5.79	1689	14.8	71.2	0.5	0.62	8.25	0.3

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

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID OB11A SAMPLE ID. OB11A
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Scarnola

DATE 3/11/2020 TIME 1027 WEATHER 47°F Partly Cloudy

WELL DEPTH 66.1 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 8.05 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 24-64 ft bgs PUMP DEPTH 45 ft
 PUMP START TIME 1027 min PUMP END TIME 1106 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1052

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ²	°C	mV	NTU	mg/L	from TOC	LPM
3/11/20	1027		5.91	1747	14.8	131.3	10.4	0.73	8.6	0.5
	1032		5.84	1752	15.0	126.9	9.7	0.61	8.6	0.5
	1037		5.88	1726	14.9	126.7	0.1	0.54	8.5	0.5
	1042		5.88	1741	15.1	125.3	0.2	0.50	8.51	0.5
	1047		5.87	1726	14.9	125.5	0.1	0.48	8.51	0.5
✓	1052		5.87	1738	15.1	122.4	0.1	0.44	8.52	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Scarnola

WELL PURGING AND SAMPLING RECORD

WELL ID OB12 SAMPLE ID. OB12
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Seaman

DATE 3/11/2020 TIME 1403 WEATHER 58°F Drizzle

Assume well and water depth are switched

WELL DEPTH 16 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 29 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 16-26 ft bgs PUMP DEPTH 23 ft
 PUMP START TIME 1403 min PUMP END TIME 1445 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1438

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/11/20	1403		6.17	565	12.6	-35.0	4.5	0.85	16.7	0.5
	1408		6.14	578	13.5	-42	4.4	0.62	16.6	0.5
	1413		5.98	568	14.3	-29.6	2.6	0.53	16.6	0.5
	1428		5.80	548	14.7	-6.0	0.7	0.49	16.6	0.5
	1423		5.72	541	15.0	2.5	0.4	0.46	16.6	0.5
	1428		5.68	534	15.0	0.1	1.0	0.45	16.6	0.5
	1433		5.68	538	15.1	0.7	0.8	0.43	16.6	0.5
	1438		5.67	535	15.1	0.5	0.7	0.43	16.6	0.5

METHANE READING (GEM) 0.00%
 COMMENTS Cap was off, well was open on arrival.

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB015 SAMPLE ID. OB015

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3/11/2020 TIME 1509 WEATHER 49°F cloudy

WELL DEPTH <u>25.6</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>19.8</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>18-28</u> ft bgs	PUMP DEPTH <u>22</u> ft
PUMP START TIME <u>1509</u> min	PUMP END TIME <u>1602</u> min
PUMP RATE <u>0.5</u> LPM	SAMPLING TIME <u>1549</u>
SAMPLING METHOD <u>Low-flow</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 ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/11/20	1509		6.14	309.7	14.9	78.5	8.4	1.23	20.0	0.5
	1514		6.01	316.5	15.9	82.9	9.9	0.63	20.2	0.5
	1519		6.00	321.8	16.6	86.7	7.6	0.56	20.45	0.5
	1524		5.99	321.1	16.5	90.8	6.7	0.53	20.55	0.5
	1529		5.99	318.1	16.1	95.5	5.9	0.54	20.6	0.5
	1534		5.99	315.9	15.8	98.4	5.4	0.57	20.7	0.5
	1539		5.99	314.5	15.6	101.6	5.0	0.61	20.7	0.5
	1544		5.99	312.0	15.3	104.9	5.1	0.68	20.8	0.5
	1549		6.00	311.4	15.2	107.4	4.9	0.71	20.9	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE

WELL PURGING AND SAMPLING RECORD

WELL ID OB025 SAMPLE ID. OB025
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamski

DATE 3/15/2020 TIME 1440 WEATHER 53°F Overcast

WELL DEPTH 18 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 8 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-15 ft bgs PUMP DEPTH 14 ft
 PUMP START TIME 1440 min PUMP END TIME 1534 min
 PUMP RATE 0.3 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1515

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	°C	mV	NTU	mg/L		LPM
3/15/2020	14:40		6.42	1032	12.6	182.2	34.0	3.18	8.65	0.3
3/15/2020	1445		6.30	1040	13.0	173.6	42.6	2.25	9.1	0.3
3/15/2020	1450		6.31	1051	13.3	180.2	36.0	2.20	9.8	0.3
3/15/2020	1455		6.32	1056	13.6	185.8	34.6	2.19	10.25	0.3
3/15/2020	1500		6.33	1060	13.6	190.6	31.1	2.20	10.2	0.3
3/15/2020	1505		6.34	1102	15.3	184.2	31.0	2.23	10.26	0.3
3/15/2020	1510		6.33	1090	14.5	183.2	30.1	2.19	10.3	0.3
3/15/2020	1515		6.32	1062	14.0	180.0	33.2	2.15	10.5	0.3

METHANE READING (GEM) 0.00%

COMMENTS Brown in color
-well almost dried up

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

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

DATE 3/13/2020 TIME 0810 WEATHER 40^s, cloudy

WELL DEPTH 24.6 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 11.3 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 15-25 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 0810 min PUMP END TIME 0848 min
 PUMP RATE 0.5 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0840

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	Pump Rate
		Unit: Gal	--	µS/cm ²	°C	mV	NTU	mg/L	from TOC	LPM
3/13/20	0810		6.58	2932	13.8	195.6	-0.9	0.76	11.75	0.5
3/13/20	0815		6.58	2991	14.4	133.9	0.5	0.55	11.80	0.5
3/13/20	0820		6.57	3012	14.5	110.4	0.1	0.50	11.80	0.5
3/13/20	0825		6.57	3043	14.8	92.5	-0.9	0.46	11.80	0.5
3/13/20	0830		6.57	3054	14.8	83.9	-2.0	0.44	11.80	0.5
3/13/20	0835		6.56	3065	14.9	79.3	-2.0	0.42	11.80	0.5
3/13/20	0840		6.56	3069	14.9	77.1	-2.5	0.41	11.81	0.5

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE *A. Szamski*



WELL PURGING AND SAMPLING RECORD

WELL ID OB105 SAMPLE ID. OB105
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Szamsta

DATE 3/9/2020 TIME 1420 WEATHER 71°F Sunny

WELL DEPTH 16.8 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 2.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-13 ft bgs PUMP DEPTH 10 ft
 PUMP START TIME 1420 min PUMP END TIME 1457 min
 PUMP RATE 0.4 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1440

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^e	°C	mV	NTU	mg/L	from TOC	LPM
3/9/20	1420		6.76	2864	12.8	-79.1	12.6	1.12	3.5	0.5
	1425		6.76	2864	12.7	-79.3	12.2	1.10	3.5	0.4
	1430		6.79	2923	13.5	-78.8	8.9	0.86	3.6	0.4
	1435		6.79	2913	13.3	-80.6	8.2	0.71	3.65	0.4
	1440		6.79	2923	13.3	-81.1	8.9	0.69	3.70	0.4

METHANE READING (GEM) 0.00%
 COMMENTS fresh mount well

SIGNATURE



SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST-015 SAMPLE ID. ST-015
SITE DESCRIPTION Road side tunnel, concrete embankment
SAMPLING PERSONNEL A. Szamsta

DATE 3/10/2020 TIME 0955 WEATHER 56°F Rain

SAMPLING METHOD _____
PURGE START TIME N/A
PURGE END TIME N/A
DEPTH OF SAMPLE COLLECTION (APPROX.) 3"
SAMPLE COLLECTION TIME 0955

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L
<u>3/10/20</u>	<u>0955</u>		<u>8.67</u>	<u>410.1</u>	<u>10.7</u>	<u>145.6</u>	<u>0.5</u>	<u>11.21</u>

COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST-65 SAMPLE ID. ST-65
SITE DESCRIPTION _____
SAMPLING PERSONNEL A. Szamski

DATE 03/02/2020 TIME 1300 WEATHER 50s; partly sunny

SAMPLING METHOD Grab
PURGE START TIME N/A
PURGE END TIME N/A
DEPTH OF SAMPLE COLLECTION (APPROX.) 3 inches
SAMPLE COLLECTION TIME 1300

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal						
<u>3-2-2020</u>	<u>1300</u>	<u>1.32</u>	<u>7.84</u>	<u>420.4</u>	<u>8.8</u>	<u>241.6</u>	<u>328.3</u>	<u>13.92</u>

COMMENTS _____

SIGNATURE 

SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST-70 SAMPLE ID. ST-70
 SITE DESCRIPTION Access from concrete plant, near OB-10 and MW-4
 SAMPLING PERSONNEL A. Stanski

DATE 3/10/2020 TIME 1030 WEATHER 56°F Rain

SAMPLING METHOD Grab
 PURGE START TIME N/A
 PURGE END TIME N/A
 DEPTH OF SAMPLE COLLECTION (APPROX.) 3"
 SAMPLE COLLECTION TIME 1035

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L
3/10/20	1030		8.10	608	10.8	123.2	58.6	10.72

COMMENTS _____

SIGNATURE 

SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST-80 SAMPLE ID. ST-80
 SITE DESCRIPTION next to road near walking trail
 SAMPLING PERSONNEL A. Szanski

DATE 3, 10, 2020 TIME 1110 WEATHER 53°F Rain

SAMPLING METHOD Grab
 PURGE START TIME N/A
 PURGE END TIME N/A
 DEPTH OF SAMPLE COLLECTION (APPROX.) 2"
 SAMPLE COLLECTION TIME 1110

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm ^e	°C	mV	NTU	mg/L
3/10/20	1110		8.15	571	10.8	146.7	119.3	12.19

COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

SURFACE WATER SAMPLING RECORD

STREAM LOCATION ID ST120 SAMPLE ID. ST120
 SITE DESCRIPTION Stream w walking bridge near
 SAMPLING PERSONNEL A. Szanski

DATE 3/9/2020 TIME 1115 WEATHER 58°F Sunny

SAMPLING METHOD Grab
 PURGE START TIME N/A
 PURGE END TIME N/A
 DEPTH OF SAMPLE COLLECTION (APPROX.) 3'
 SAMPLE COLLECTION TIME 1115

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turbidity.	DO
		Unit: Gal	--	µS/cm ^e	°C	mV	NTU	mg/L
3/9/20	1115		6.79	410.5	9.2	202.0	2.3	0.53

COMMENTS _____

SIGNATURE *A. Szanski*

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Appendix B

Chain-of-Custody Documents

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Company Name: EA		Project Manager: Laura Oaks		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUIDE		Project ID: 1550404														
Sampler(s): A. Szanski		P.O. Number:		No. of Containers 8260LL VOC 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		
Field Sample ID		Date	Time											Water	Soil	Other
OB-07	3/2/20	1030	X			11	X	X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄	0030222-01		
OB-07A	3/2/20	1145	X			11	X	X	X	X	X	X	↓	-02		
OB-06	3/2/20	1330	X			11	X	X	X	X	X	X	↓	-03		
Trip Blank		—												-04		
MW-2A	3/2/20	1530	X			11	X	X	X	X	X	X	↓	-05		
ST-065	3/2/20	1300	X			11	X	X	X	X	X	X	↓	-06		
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
		3/2/2020														
(Printed)		17:42		(Printed)				(Printed)				(Printed)		(Printed)		
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Turn Around Time:				Lab Use:				
		3/2/2020						<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: 5.6°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
(Printed)		17:42		(Printed)				Rachel Horner				Sample Disposal:				
Delivery Method:		Special Instructions/QC Requirements & Comments:														
Courier Client UPS FedEx USPS Other: _____																
		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days														

Company Name: EA		Project Manager: Laura		Analysis Requested										CHAIN-OF-CUSTODY RECORD			
Project Name: GLUDE		Project ID: 1556404												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): A. Szamski		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)			Preservative: 1+1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen				
OB-102	3/3/20	0840	X			11	X	X	X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄			0030324-01
MW-2B	3/3/20	1000	X			11	X	X	X	X	X	X	X	↓			-02
OB-2A	3/3/20	1210	X			11	X	X	X	X	X	X	X	↓			-03
OB-2 B	3/3/20	1315	X			11	X	X	X	X	X	X	X	↓			-04
Trip blank	3/3/20	—															-05
MW-7	3/3/20	1610	X			11	X	X	X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄			-06
Relinquished by: (Signature) 		Date/Time 3/3/2020		Received by: (Signature) 				Relinquished by: (Signature) 				Date/Time 17:20		Received by: (Signature) 			
(Printed) Andrew Szamski		17:20		(Printed) Rachel Horner				(Printed)						(Printed)			
Relinquished by: (Signature) 		Date/Time 3/3/20		Received by Lab: (Signature) 				Turn Around Time:				Lab Use:					
(Printed)		17:20		(Printed) Rachel Horner				<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: 5-1 °C <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate					
Delivery Method:		Special Instructions/QC Requirements & Comments:															
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																	
Sample Disposal:		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days															

Company Name: EA		Project Manager: Laura Cakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUIDE		Project ID: 1556404												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): A. Szamsci		P.O. Number: 19541												Matrix Codes: NW (non-potable water) PW (potable water)		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1+1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW-1B	3/4/20	0920	X			11	X	X	X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄		0030418-01
MW-3A	3/4/20	1107	X			11	X	X	X	X	X	X	X			-02
MW-3B	3/4/20	1208	X			11	X	X	X	X	X	X	X			-03
OB-08A	3/4/20	1350	X			11	X	X	X	X	X	X	X			-04
OB-08	3/4/20	1510	X			11	X	X	X	X	X	X	X			-05
TRIP BLANK	3/4/20	-														
Relinquished by: (Signature) 		Date/Time 3/4/2020		Received by: (Signature) 				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
(Printed) Andrew Szamsci		17:32		(Printed) Rachel Horner				(Printed)						(Printed)		
Relinquished by: (Signature)		Date/Time 3/4/20		Received by Lab: (Signature) 				Turn Around Time:				Lab Use:				
(Printed)		17:32		(Printed) Rachel Horner				<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: 90 °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
Delivery Method:		Special Instructions/QC Requirements & Comments:				Sample Disposal:										
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days										

Company Name: <i>EA</i>		Project Manager: <i>Laura Oakes</i>		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: <i>Gude</i>		Project ID: <i>1556404</i>		No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com				
Sampler(s): <i>A. Szanski</i>		P.O. Number:										Matrix Codes: NW (non-potable water) PW (potable water)				
Field Sample ID	Date	Time	Water	Soil	Other							Preservative: 1+1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID		
<i>MW-24B</i>	<i>3/15/20</i>	<i>0930</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>HCl, HNO₃, H₂SO₄</i>		<i>0030530-01</i>		
<i>OB-40</i>	<i>3/15/20</i>	<i>0930</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-02</i>		
<i>MW-24A</i>	<i>3/15/20</i>	<i>1050</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-03</i>		
<i>MW-22A</i>	<i>3/15/20</i>	<i>1222</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-04</i>		
<i>MW-22B</i>	<i>3/15/20</i>	<i>1325</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-05</i>		
<i>OB-025</i>	<i>3/15/20</i>	<i>1515</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-06</i>		
<i>Trip Blank</i>	<i>3/15/20</i>	<i>-</i>														
Relinquished by: (Signature) <i>A. Szanski</i>		Date/Time <i>3/15/2020</i>		Received by: (Signature) <i>Rachel Horner</i>				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
(Printed) <i>Andrew Szanski</i>		<i>1725</i>		(Printed)				(Printed)						(Printed)		
Relinquished by: (Signature)		Date/Time <i>3/15/20</i>		Received by Lab: (Signature) <i>Rachel Horner</i>				Turn Around Time:				Lab Use:				
(Printed)		<i>17:25</i>		(Printed) <i>Rachel Horner</i>				<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				<input checked="" type="checkbox"/> Temp: <i>10.0</i> °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
Delivery Method:		Special Instructions/QC Requirements & Comments:				Sample Disposal:										
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days										

Company Name: EA		Project Manager: Laura Cates		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: Crude		Project ID: 1556484												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): A Szamsta		P.O. Number: 18961												Matrix Codes: NW (non-potable water) PW (potable water)		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1-H1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW-13B	3/9/20	0900	X			11	X	X	X	X	X	X	X	HCl, HNO₃, H₂SO₄		0030917-01
OB-30	3/9/20	0900	X			11	X	X	X	X	X	X	X			-02
MW-13A	3/9/20	1025	X			11	X	X	X	X	X	X	X			-03
OB-04A	3/9/20	1217	X			11	X	X	X	X	X	X	X			-04
ST-120	3/9/20	1115	X			11	X	X	X	X	X	X	X			-05
OB-04	3/9/20	1325	X			11	X	X	X	X	X	X	X			-06
OB-105	3/9/20	1440	X			11	X	X	X	X	X	X	X	↓		-07
Trip Blank	3/9/20	—														-08
Relinquished by: (Signature) 		Date/Time 3/9/2020		Received by: (Signature) 				Relinquished by: (Signature) 				Date/Time		Received by: (Signature) 		
(Printed) Andy Szamsta				(Printed)				(Printed)						(Printed)		
Relinquished by: (Signature) 		Date/Time 3/9/20		Received by Lab: (Signature) 				Turn Around Time:				Lab Use:				
(Printed)		17:13		(Printed) Rachel Horner				<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: 12.4 °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 type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																
		<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										

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: Grude		Project ID: 1556404		No. of Containers	8260LL VOC	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): A. Scamski		P.O. Number: 18961										Matrix Codes: NW (non-potable water) PW (potable water)				
Field Sample ID	Date	Time	Water	Soil	Other							Preservative: 1 +1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID		
ST-015	3/10/20	1000	X			11	X	X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄		0031027-01	
ST-070	3/10/20	1035	X			11	X	X	X	X	X	X			-02	
ST-80	3/10/20	1110	X			11	X	X	X	X	X	X			-03	
MW-16A	3/10/20	1238	X			11	X	X	X	X	X	X			-04	
MW-16B	3/10/20	1333	X			11	X	X	X	X	X	X			-05	
MW-8	3/10/20	1415	X			11	X	X	X	X	X	X			-06	
OB-03	3/10/20	1522	X			11	X	X	X	X	X	X			-07	
Trip Blank	3/10/20	—													-08	

Relinquished by: (Signature) 	Date/Time 3/10/2020	Received by: (Signature) 	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Andy Scamski	1705	(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time 3/10/20	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:	
(Printed)	17:05	(Printed) Rachel Horner	<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: 6.0 °C <input type="checkbox"/> Received on ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	
Delivery Method: <input type="checkbox"/> Courier <input 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		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com												
Project Name: Erude		Project ID: 1556404		No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Matrix Codes: NW (non-potable water) PW (potable water)														
Sampler(s): A. Szamsci		P.O. Number: 18961										Field Sample ID	Date	Time	Water	Soil	Other	Preservative: 1+1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID						
												OB-03A	3/11/20	0832	X			11	X	X	X	X	X	X	HCl, HNO₃, H₂SO₄	0031112-01
												OB-11	3/11/20	1000	X			11	X	X	X	X	X	X		-02
												OB-50	3/11/20	1000	X			11	X	X	X	X	X	X		-03
												OB-11A	3/11/20	1052	X			11	X	X	X	X	X	X		-04
												MW-21A	3/11/20	1156	X			11	X	X	X	X	X	X		-05
												MW-21B	3/11/20	1312	X			11	X	X	X	X	X	X		-06
												OB-12	3/11/20	1438	X			11	X	X	X	X	X	X		-07
												OB-015	3/11/20	1549	X			11	X	X	X	X	X	X		-08
				Trip Blank	3/11/20	—												-09								
Relinquished by: (Signature) 		Date/Time 3/11/2020		Received by: (Signature) 		Date/Time 17:12		Relinquished by: (Signature) 		Date/Time		Received by: (Signature) 														
(Printed) Andy Szamsci				(Printed) Rachel Horner				(Printed)				(Printed)														
Relinquished by: (Signature) 		Date/Time 3/11/20		Received by Lab: (Signature) 		Date/Time 17:12		Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Lab Use: Temp: 6.0 °C <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate																
(Printed) Andy Szamsci				(Printed) Rachel Horner						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 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: <i>EA</i>		Project Manager: <i>Laura Cakes</i>		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: <i>Guide</i>		Project ID: <i>15564104</i>		No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com				
Sampler(s): <i>A. Szamsk</i>		P.O. Number: <i>18961</i>										Matrix Codes: NW (non-potable water) PW (potable water)				
Field Sample ID	Date	Time	Water	Soil	Other							Preservative: 1 +1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID		
<i>MW-19A</i>	<i>3/12/20</i>	<i>0903</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>HCl, HNO₃, H₂SO₄</i>		<i>0031224-01</i>		
<i>MW-19B</i>	<i>3/12/20</i>	<i>0958</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-02</i>		
<i>MW-6</i>	<i>3/12/20</i>	<i>1111</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-03</i>		
<i>OB-01</i>	<i>3/12/20</i>	<i>1225</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-04</i>		
<i>MW-23A</i>	<i>3/12/20</i>	<i>1400</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-05</i>		
<i>MW-23B</i>	<i>3/12/20</i>	<i>1549</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			<i>-06</i>		
<i>Trip Blank</i>	<i>3/12/20</i>	<i>—</i>														
Relinquished by: (Signature) <i>Andy Szamski</i>		Date/Time <i>3/12/2020</i>		Received by: (Signature) <i>Rachel Horner</i>				Relinquished by: (Signature) <i>Andy Szamski</i>				Date/Time <i>3/12/20</i>		Received by: (Signature) <i>Rachel Horner</i>		
(Printed) <i>Andy Szamski</i>				(Printed) <i>Rachel Horner</i>				(Printed)						(Printed)		
Relinquished by: (Signature) <i>Andy Szamski</i>		Date/Time <i>3/12/20</i>		Received by Lab: (Signature) <i>Rachel Horner</i>				Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Lab Use: Temp <i>0</i> °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
(Printed) <i>Andy Szamski</i>		<i>17:14</i>		(Printed) <i>Rachel Horner</i>								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 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		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: Guide		Project ID: 1556404												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): A. Szamsta		P.O. Number: 18961												Matrix Codes: NW (non-potable water) PW (potable water)		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1 +1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
OB-10	3/16/20	0820	X			11	X	X	X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄		003/6/4-01
MW-4	3/16/20	0910	X			11	X	X	X	X	X	X	X			-02
MW-12	3/16/20	1045	X			11	X	X	X	X	X	X	X			-03
MW-11A	3/16/20	1230	X			11	X	X	X	X	X	X	X			-04
MW-11B	3/16/20	1344	X			11	X	X	X	X	X	X	X			-05
MW-10	3/16/20	1534	X			11	X	X	X	X	X	X	X	✓		-06
Trip Blank	3/16/20	-														-07
Relinquished by: (Signature) 		Date/Time 3/16/2020		Received by: (Signature) 				Relinquished by: (Signature) 				Date/Time		Received by: (Signature) 		
(Printed) Andy Szamsta				(Printed)				(Printed)						(Printed)		
Relinquished by: (Signature) 		Date/Time 3/16/20		Received by Lab: (Signature) 				Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Lab Use: Temp: 12.8°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
(Printed)		1724		(Printed) Kim Dinh								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		Project Manager: <i>Laura Oakes</i>		CHAIN-OF-CUSTODY RECORD												
Project Name: Grude		Project ID: 1550404												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
Sampler(s): <i>A. Szanski</i>		P.O. Number: 18961		Matrix Codes: NW (non-potable water) PW (potable water)												
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1 +1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW-15	3/17/20	0227	X			11	X	X	X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄		0031717-01
MW-14A	3/17/20	1327	X			11	X	X	X	X	X	X	X			-02
MW-14B	3/17/20	1135	X			11	X	X	X	X	X	X	X			-03
MW-9	3/17/20	1448	X			11	X	X	X	X	X	X	X			-04
Trip Blank	3/17/20	—														-05
Relinquished by: (Signature) <i>A. Szanski</i>		Date/Time 3/17/2020		Received by: (Signature) <i>[Signature]</i>			Relinquished by: (Signature)			Date/Time		Received by: (Signature)				
(Printed) Andy Szanski		1558		(Printed) Sauwal Khan			(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: 4.7°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate						
Delivery Method:		Special Instructions/QC Requirements & Comments:														
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																
		<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											

Appendix C
Laboratory Reports

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14 April 2020

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 03/02/20 17:42-03/17/20 15:58.

Please visit our website at www.mdspectral.com for a complete listing of our accreditations.

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

Sincerely,



Cory Koons
Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OB-07		0030222-01	Nonpotable Water	03/02/20 10:36	03/02/20 17:42
OB-07A		0030222-02	Nonpotable Water	03/02/20 11:45	03/02/20 17:42
OB-06		0030222-03	Nonpotable Water	03/02/20 13:30	03/02/20 17:42
TRIP BLANK		0030222-04	Nonpotable Water	03/02/20 00:00	03/02/20 17:42
MW-2A		0030222-05	Nonpotable Water	03/02/20 15:30	03/02/20 17:42
ST-065		0030222-06	Nonpotable Water	03/02/20 13:00	03/02/20 17:42
OB-102		0030324-01	Nonpotable Water	03/03/20 08:40	03/03/20 17:20
MW-2B		0030324-02	Nonpotable Water	03/03/20 10:00	03/03/20 17:20
OB-2A		0030324-03	Nonpotable Water	03/03/20 12:10	03/03/20 17:20
OB-02		0030324-04	Nonpotable Water	03/03/20 13:15	03/03/20 17:20
TRIP BLANK		0030324-05	Nonpotable Water	03/03/20 00:00	03/03/20 17:20
MW-7		0030324-06	Nonpotable Water	03/03/20 16:10	03/03/20 17:20
MW-1B		0030418-01	Nonpotable Water	03/04/20 09:20	03/04/20 17:32
MW-3A		0030418-02	Nonpotable Water	03/04/20 11:07	03/04/20 17:32
MW-3B		0030418-03	Nonpotable Water	03/04/20 12:08	03/04/20 17:32
OB-08A		0030418-04	Nonpotable Water	03/04/20 13:50	03/04/20 17:32
OB-08		0030418-05	Nonpotable Water	03/04/20 15:10	03/04/20 17:32
TRIP BLANK		0030418-06	Nonpotable Water	03/04/20 00:00	03/04/20 17:32
MW-24B		0030530-01	Nonpotable Water	03/05/20 09:30	03/05/20 17:25
OB-40		0030530-02	Nonpotable Water	03/05/20 09:30	03/05/20 17:25
MW-24A		0030530-03	Nonpotable Water	03/05/20 10:50	03/05/20 17:25
MW-22A		0030530-04	Nonpotable Water	03/05/20 12:22	03/05/20 17:25
MW-22B		0030530-05	Nonpotable Water	03/05/20 13:25	03/05/20 17:25
OB-025		0030530-06	Nonpotable Water	03/05/20 15:15	03/05/20 17:25
TRIP BLANK		0030530-07	Nonpotable Water	03/05/20 00:00	03/05/20 17:25



Cory Koons, Laboratory Manager

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:
 04/14/20 13:46

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13B		0030917-01	Nonpotable Water	03/09/20 09:00	03/09/20 17:13
OB-30		0030917-02	Nonpotable Water	03/09/20 09:00	03/09/20 17:13
MW-13A		0030917-03	Nonpotable Water	03/09/20 10:25	03/09/20 17:13
OB-04A		0030917-04	Nonpotable Water	03/09/20 12:17	03/09/20 17:13
ST-120		0030917-05	Nonpotable Water	03/09/20 11:15	03/09/20 17:13
OB-04		0030917-06	Nonpotable Water	03/09/20 13:25	03/09/20 17:13
OB-105		0030917-07	Nonpotable Water	03/09/20 14:40	03/09/20 17:13
TRIP BLANK		0030917-08	Nonpotable Water	03/09/20 00:00	03/09/20 17:13
ST-015		0031027-01	Nonpotable Water	03/10/20 10:00	03/10/20 17:05
ST-70		0031027-02	Nonpotable Water	03/10/20 10:35	03/10/20 17:05
ST-80		0031027-03	Nonpotable Water	03/10/20 11:10	03/10/20 17:05
MW-16A		0031027-04	Nonpotable Water	03/10/20 12:38	03/10/20 17:05
MW-16B		0031027-05	Nonpotable Water	03/10/20 13:33	03/10/20 17:05
MW-8		0031027-06	Nonpotable Water	03/10/20 14:35	03/10/20 17:05
OB-03		0031027-07	Nonpotable Water	03/10/20 15:22	03/10/20 17:05
TRIP BLANK		0031027-08	Nonpotable Water	03/10/20 17:05	03/10/20 17:05
OB-03A		0031112-01	Nonpotable Water	03/11/20 08:32	03/11/20 17:12
OB-11		0031112-02	Nonpotable Water	03/11/20 10:00	03/11/20 17:12
OB-50		0031112-03	Nonpotable Water	03/11/20 10:00	03/11/20 17:12
OB-11A		0031112-04	Nonpotable Water	03/11/20 10:52	03/11/20 17:12
MW-21A		0031112-05	Nonpotable Water	03/11/20 11:56	03/11/20 17:12
MW-21B		0031112-06	Nonpotable Water	03/11/20 13:12	03/11/20 17:12
OB-12		0031112-07	Nonpotable Water	03/11/20 14:38	03/11/20 17:12
OB-015		0031112-08	Nonpotable Water	03/11/20 15:49	03/11/20 17:12
TRIP BLANK		0031112-09	Nonpotable Water	03/11/20 00:00	03/11/20 17:12
MW-19A		0031224-01	Nonpotable Water	03/12/20 09:03	03/12/20 17:14



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/14/20 13:46

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-19B		0031224-02	Nonpotable Water	03/12/20 09:58	03/12/20 17:14
MW-6		0031224-03	Nonpotable Water	03/12/20 11:11	03/12/20 17:14
OB-01		0031224-04	Nonpotable Water	03/12/20 12:25	03/12/20 17:14
MW-23A		0031224-05	Nonpotable Water	03/12/20 14:00	03/12/20 17:14
MW-23B		0031224-06	Nonpotable Water	03/12/20 15:49	03/12/20 17:14
TRIP BLANK		0031224-07	Nonpotable Water	03/12/20 00:00	03/12/20 17:14
OB-10		0031614-01	Nonpotable Water	03/16/20 08:20	03/16/20 17:24
MW-4		0031614-02	Nonpotable Water	03/16/20 09:10	03/16/20 17:24
MW-12		0031614-03	Nonpotable Water	03/16/20 10:45	03/16/20 17:24
MW-11A		0031614-04	Nonpotable Water	03/16/20 12:36	03/16/20 17:24
MW-11B		0031614-05	Nonpotable Water	03/16/20 13:44	03/16/20 17:24
MW-10		0031614-06	Nonpotable Water	03/16/20 15:34	03/16/20 17:24
TRIP BLANK		0031614-07	Nonpotable Water	03/16/20 00:00	03/16/20 17:24
MW-15		0031717-01	Nonpotable Water	03/17/20 10:10	03/17/20 15:58
MW-14A		0031717-02	Nonpotable Water	03/17/20 13:27	03/17/20 15:58
MW-14B		0031717-03	Nonpotable Water	03/17/20 11:35	03/17/20 15:58
MW-9		0031717-04	Nonpotable Water	03/17/20 14:48	03/17/20 15:58
TRIP BLANK		0031717-05	Nonpotable Water	03/17/20 00:00	03/17/20 15:58



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

Cory Koons, Laboratory Manager

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:
04/14/20 13:46



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-07

0030222-01 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.68		pH Units			1	03/03/20	03/03/20 13:48	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	5.14		NTU	0.500	0.110	1	03/03/20	03/03/20 13:14	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:15	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:15	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Benzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:15	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
cis-1,2-Dichloroethene	1.7		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-07

0030222-01 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:15	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:15	GM
Isobutanol	ND		ug/L	100	100	1	03/03/20	03/03/20 18:15	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:15	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:15	GM
Styrene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Toluene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:15	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	99 %			03/03/20	03/03/20 18:15	
Surrogate: Toluene-d8			88-110	100 %			03/03/20	03/03/20 18:15	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/03/20	03/03/20 18:15	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-07

**0030222-01 (Nonpotable Water)
Sample Date: 03/02/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	491000		ug/L	500	500	1	03/03/20	03/04/20 16:37	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Barium	38.2		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Calcium	130000		ug/L	400	400	5	03/03/20	03/04/20 18:05	KD
Chromium	1.75		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Copper	1.82		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Iron	246		ug/L	100	5.00	1	03/03/20	03/04/20 16:37	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Magnesium	46800		ug/L	100	100	1	03/03/20	03/04/20 16:37	KD
Manganese	101		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Mercury	0.239		ug/L	0.100	0.100	1	03/03/20	03/04/20 16:37	KD
Nickel	1.81		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Potassium	3670		ug/L	100	100	1	03/03/20	03/04/20 16:37	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Sodium	24800		ug/L	100	100	1	03/03/20	03/04/20 16:37	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Vanadium	1.04		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:37	KD
Zinc	ND		ug/L	4.00	4.00	1	03/03/20	03/04/20 16:37	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:05	VVD



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G
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410-247-7600
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-07

0030222-01 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.2		mg/L	2.5	2.5	1	03/03/20	03/04/20 13:33	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.12		mg/L	0.10	0.05	1	03/03/20	03/03/20 13:54	FRD
Chloride	242		mg/L	12.5	12.5	25	03/04/20	03/04/20 17:35	BMG
Conductivity	1180		us/Cm	1.00	1.00	1	03/04/20	03/04/20 10:00	FRD
Dissolved Solids	849		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	1.61		mg/L	0.20	0.10	1	03/03/20	03/03/20 17:42	BMG
Sulfate	46.2		mg/L	1.00	0.50	1	03/03/20	03/03/20 17:42	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	220		mg/L	1.0	1.0	1	03/04/20	03/04/20 10:00	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

OB-07A

0030222-02 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.15		pH Units			1	03/03/20	03/03/20 13:48	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/03/20	03/03/20 13:18	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:41	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:41	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Benzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:41	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
cis-1,2-Dichloroethene	1.3		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-07A

0030222-02 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:41	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:41	GM
Isobutanol	ND		ug/L	100	100	1	03/03/20	03/03/20 18:41	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:41	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 18:41	GM
Styrene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Tetrachloroethene	1.2		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Toluene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 18:41	GM
Surrogate: 1,2-Dichloroethane-d4		80-120		101 %			03/03/20	03/03/20 18:41	
Surrogate: Toluene-d8		88-110		99 %			03/03/20	03/03/20 18:41	
Surrogate: 4-Bromofluorobenzene		86-115		99 %			03/03/20	03/03/20 18:41	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-07A

**0030222-02 (Nonpotable Water)
Sample Date: 03/02/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	407000		ug/L	500	500	1	03/03/20	03/04/20 16:42	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Barium	46.4		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Calcium	78600		ug/L	80.0	80.0	1	03/03/20	03/04/20 16:42	KD
Chromium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Cobalt	1.08		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Copper	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Iron	27.4	J	ug/L	100	5.00	1	03/03/20	03/04/20 16:42	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Magnesium	51300		ug/L	100	100	1	03/03/20	03/04/20 16:42	KD
Manganese	142		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Mercury	0.702		ug/L	0.100	0.100	1	03/03/20	03/04/20 16:42	KD
Nickel	4.00		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Potassium	2690		ug/L	100	100	1	03/03/20	03/04/20 16:42	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Sodium	26900		ug/L	100	100	1	03/03/20	03/04/20 16:42	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:42	KD
Zinc	ND		ug/L	4.00	4.00	1	03/03/20	03/04/20 16:42	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	18.3		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:05	VVD



Cory Koons, Laboratory Manager

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.

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-07A

0030222-02 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.5	2.5	1	03/03/20	03/04/20 13:33	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/03/20	03/03/20 13:57	FRD
Chloride	189		mg/L	5.0	5.0	10	03/04/20	03/04/20 17:53	BMG
Conductivity	817		us/Cm	1.00	1.00	1	03/04/20	03/04/20 10:00	FRD
Dissolved Solids	539		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	1.47		mg/L	0.20	0.10	1	03/03/20	03/03/20 18:00	BMG
Sulfate	20.9		mg/L	1.00	0.50	1	03/03/20	03/03/20 18:00	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	98.2		mg/L	1.0	1.0	1	03/04/20	03/04/20 10:00	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-06

0030222-03 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.23		pH Units			1	03/03/20	03/03/20 13:48	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	11.4		NTU	0.500	0.110	1	03/03/20	03/03/20 13:22	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:06	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:06	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Benzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:06	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Chlorobenzene	1.4		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,4-Dichlorobenzene	1.1		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-06

0030222-03 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:06	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:06	GM
Isobutanol	ND		ug/L	100	100	1	03/03/20	03/03/20 19:06	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:06	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:06	GM
Styrene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Toluene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:06	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	103 %	03/03/20		03/03/20 19:06		
Surrogate: Toluene-d8			88-110	99 %	03/03/20		03/03/20 19:06		
Surrogate: 4-Bromofluorobenzene			86-115	98 %	03/03/20		03/03/20 19:06		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-06

**0030222-03 (Nonpotable Water)
Sample Date: 03/02/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	554000		ug/L	500	500	1	03/03/20	03/04/20 16:44	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Barium	176		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Calcium	136000		ug/L	400	400	5	03/03/20	03/04/20 18:11	KD
Chromium	2.79		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Cobalt	4.83		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Copper	6.96		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Iron	1400		ug/L	100	5.00	1	03/03/20	03/04/20 16:44	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Magnesium	60400		ug/L	100	100	1	03/03/20	03/04/20 16:44	KD
Manganese	633		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Mercury	0.227		ug/L	0.100	0.100	1	03/03/20	03/04/20 16:44	KD
Nickel	11.0		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Potassium	4520		ug/L	100	100	1	03/03/20	03/04/20 16:44	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Sodium	158000		ug/L	500	500	5	03/03/20	03/04/20 18:11	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Vanadium	1.41		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:44	KD
Zinc	18.2		ug/L	4.00	4.00	1	03/03/20	03/04/20 16:44	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	44.4		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:06	VVD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-06

0030222-03 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	21.2		mg/L	2.8	2.8	1	03/03/20	03/04/20 13:33	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/03/20	03/03/20 13:59	FRD
Chloride	383		mg/L	12.5	12.5	25	03/04/20	03/04/20 18:11	BMG
Conductivity	1770		us/Cm	1.00	1.00	1	03/04/20	03/04/20 10:00	FRD
Dissolved Solids	1040		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	0.33		mg/L	0.20	0.10	1	03/03/20	03/03/20 18:18	BMG
Sulfate	114		mg/L	5.00	2.50	5	03/04/20	03/05/20 00:47	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	308		mg/L	4.0	4.0	1	03/04/20	03/04/20 10:00	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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0030222-04 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:32	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:32	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Benzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:32	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030222-04 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:32	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:32	GM
Isobutanol	ND		ug/L	100	100	1	03/03/20	03/03/20 19:32	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:32	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/03/20	03/03/20 19:32	GM
Styrene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Toluene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/03/20	03/03/20 19:32	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	101 %			03/03/20	03/03/20 19:32	
Surrogate: Toluene-d8			88-110	99 %			03/03/20	03/03/20 19:32	
Surrogate: 4-Bromofluorobenzene			86-115	97 %			03/03/20	03/03/20 19:32	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2A

0030222-05 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.65		pH Units			1	03/03/20	03/03/20 13:48	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/03/20	03/03/20 13:26	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:20	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:20	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:20	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2A

0030222-05 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:20	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:20	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 13:20	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:20	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:20	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Tetrachloroethene	1.1		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:20	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	103 %			03/04/20	03/04/20 13:20	
Surrogate: Toluene-d8			88-110	99 %			03/04/20	03/04/20 13:20	
Surrogate: 4-Bromofluorobenzene			86-115	96 %			03/04/20	03/04/20 13:20	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2A

0030222-05 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	16100		ug/L	500	500	1	03/03/20	03/04/20 16:52	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Barium	9.23		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Calcium	2690		ug/L	80.0	80.0	1	03/03/20	03/04/20 16:52	KD
Chromium	2.17		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Copper	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Iron	27.9	J	ug/L	100	5.00	1	03/03/20	03/04/20 16:52	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Magnesium	2270		ug/L	100	100	1	03/03/20	03/04/20 16:52	KD
Manganese	13.6		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Mercury	ND		ug/L	0.100	0.100	1	03/03/20	03/04/20 16:52	KD
Nickel	1.95		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Potassium	1370		ug/L	100	100	1	03/03/20	03/04/20 16:52	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Sodium	3810		ug/L	100	100	1	03/03/20	03/04/20 16:52	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:52	KD
Zinc	ND		ug/L	4.00	4.00	1	03/03/20	03/04/20 16:52	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:07	VVD



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2A

0030222-05 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.5	2.5	1	03/03/20	03/04/20 13:33	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/03/20	03/03/20 14:01	FRD
Chloride	2.4		mg/L	0.5	0.5	1	03/03/20	03/03/20 18:36	BMG
Conductivity	53.1		us/Cm	1.00	1.00	1	03/04/20	03/04/20 10:00	FRD
Dissolved Solids	43.0		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	0.35		mg/L	0.20	0.10	1	03/03/20	03/03/20 18:36	BMG
Sulfate	0.56	Ja	mg/L	1.00	0.50	1	03/03/20	03/03/20 18:36	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	20.8		mg/L	1.0	1.0	1	03/04/20	03/04/20 10:00	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-065

**0030222-06 (Nonpotable Water)
Sample Date: 03/02/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	7.97		pH Units			1	03/03/20	03/03/20 13:48	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.32		NTU	0.500	0.110	1	03/03/20	03/03/20 13:30	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:46	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:46	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:46	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-065

**0030222-06 (Nonpotable Water)
Sample Date: 03/02/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:46	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:46	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 13:46	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:46	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 13:46	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 13:46	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %	03/04/20		03/04/20 13:46		
Surrogate: Toluene-d8			88-110	100 %	03/04/20		03/04/20 13:46		
Surrogate: 4-Bromofluorobenzene			86-115	98 %	03/04/20		03/04/20 13:46		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-065

**0030222-06 (Nonpotable Water)
Sample Date: 03/02/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	142000		ug/L	500	500	1	03/03/20	03/04/20 16:55	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Barium	39.1		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Calcium	26700		ug/L	80.0	80.0	1	03/03/20	03/04/20 16:55	KD
Chromium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Copper	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Iron	193		ug/L	100	5.00	1	03/03/20	03/04/20 16:55	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Magnesium	18200		ug/L	100	100	1	03/03/20	03/04/20 16:55	KD
Manganese	73.7		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Mercury	ND		ug/L	0.100	0.100	1	03/03/20	03/04/20 16:55	KD
Nickel	4.50		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Potassium	3660		ug/L	100	100	1	03/03/20	03/04/20 16:55	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Sodium	40300		ug/L	100	100	1	03/03/20	03/04/20 16:55	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:55	KD
Zinc	ND		ug/L	4.00	4.00	1	03/03/20	03/04/20 16:55	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	10.8		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:07	VVD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-065

0030222-06 (Nonpotable Water)
Sample Date: 03/02/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.6	2.6	1	03/03/20	03/04/20 13:33	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/03/20	03/03/20 14:03	FRD
Chloride	105		mg/L	2.5	2.5	5	03/04/20	03/04/20 18:29	BMG
Conductivity	520		us/Cm	1.00	1.00	1	03/04/20	03/04/20 10:00	FRD
Dissolved Solids	310		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	1.90		mg/L	0.20	0.10	1	03/03/20	03/03/20 19:30	BMG
Sulfate	14.0		mg/L	1.00	0.50	1	03/03/20	03/03/20 19:30	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	79.5		mg/L	1.0	1.0	1	03/04/20	03/04/20 10:00	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-102

0030324-01 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.70		pH Units			1	03/04/20	03/04/20 11:41	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.98		NTU	0.500	0.110	1	03/04/20	03/04/20 13:38	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:11	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:11	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:11	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Chlorobenzene	2.4		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,4-Dichlorobenzene	1.3		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-102

0030324-01 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:11	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:11	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 14:11	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:11	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:11	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:11	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	103 %	03/04/20		03/04/20 14:11		
Surrogate: Toluene-d8			88-110	101 %	03/04/20		03/04/20 14:11		
Surrogate: 4-Bromofluorobenzene			86-115	98 %	03/04/20		03/04/20 14:11		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-102

0030324-01 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	601000		ug/L	500	500	1	03/03/20	03/04/20 16:57	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Arsenic	1.08		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Barium	331		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Calcium	89300		ug/L	80.0	80.0	1	03/03/20	03/04/20 16:57	KD
Chromium	2.88		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Cobalt	60.9		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Copper	23.9		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Iron	200		ug/L	100	5.00	1	03/03/20	03/04/20 16:57	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Magnesium	91800		ug/L	100	100	1	03/03/20	03/04/20 16:57	KD
Manganese	14900		ug/L	20.0	20.0	20	03/03/20	03/04/20 18:29	KD
Mercury	ND		ug/L	0.100	0.100	1	03/03/20	03/04/20 16:57	KD
Nickel	81.0		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Potassium	51400		ug/L	100	100	1	03/03/20	03/04/20 16:57	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Sodium	495000		ug/L	2000	2000	20	03/03/20	03/04/20 18:29	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 16:57	KD
Zinc	7.63		ug/L	4.00	4.00	1	03/03/20	03/04/20 16:57	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	147		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:08	VVD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-102

0030324-01 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	4.5		mg/L	2.4	2.4	1	03/04/20	03/05/20 11:26	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	17.3		mg/L	1.00	0.50	10	03/06/20	03/06/20 15:04	FRD
Chloride	487		mg/L	12.5	12.5	25	03/05/20	03/05/20 14:06	BMG
Conductivity	3330		us/Cm	1.00	1.00	1	03/05/20	03/05/20 09:30	FRD
Dissolved Solids	1950		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	2.13		mg/L	0.20	0.10	1	03/04/20	03/04/20 22:03	BMG
Sulfate	78.7		mg/L	1.00	0.50	1	03/04/20	03/04/20 22:03	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	1040		mg/L	10.0	10.0	1	03/05/20	03/05/20 09:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2B

0030324-02 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.64		pH Units			1	03/04/20	03/04/20 11:41	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/04/20	03/04/20 13:39	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:37	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:37	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:37	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2B

0030324-02 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:37	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:37	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 14:37	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:37	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 14:37	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Tetrachloroethene	1.2		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 14:37	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	104 %	03/04/20		03/04/20 14:37		
Surrogate: Toluene-d8			88-110	100 %	03/04/20		03/04/20 14:37		
Surrogate: 4-Bromofluorobenzene			86-115	97 %	03/04/20		03/04/20 14:37		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2B

0030324-02 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	18000		ug/L	500	500	1	03/03/20	03/04/20 17:00	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Barium	10.4		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Calcium	3290		ug/L	80.0	80.0	1	03/03/20	03/04/20 17:00	KD
Chromium	1.65		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Copper	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Iron	55.8	J	ug/L	100	5.00	1	03/03/20	03/04/20 17:00	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Magnesium	2360		ug/L	100	100	1	03/03/20	03/04/20 17:00	KD
Manganese	17.8		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Mercury	ND		ug/L	0.100	0.100	1	03/03/20	03/04/20 17:00	KD
Nickel	1.48		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Potassium	1370		ug/L	100	100	1	03/03/20	03/04/20 17:00	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Sodium	4120		ug/L	100	100	1	03/03/20	03/04/20 17:00	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:00	KD
Zinc	6.44		ug/L	4.00	4.00	1	03/03/20	03/04/20 17:00	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:09	VVD



Cory Koons, Laboratory Manager

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410-247-7600
www.mdspectral.com
MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-2B

0030324-02 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.4	2.4	1	03/04/20	03/05/20 11:26	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 12:59	FRD
Chloride	3.4		mg/L	0.5	0.5	1	03/04/20	03/04/20 22:23	BMG
Conductivity	55.6		us/Cm	1.00	1.00	1	03/05/20	03/05/20 09:30	FRD
Dissolved Solids	32.0		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	0.11	Ja	mg/L	0.20	0.10	1	03/04/20	03/04/20 22:23	BMG
Sulfate	0.59	Ja	mg/L	1.00	0.50	1	03/04/20	03/04/20 22:23	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	22.0		mg/L	1.0	1.0	1	03/05/20	03/05/20 09:30	FRD



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-2A

0030324-03 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.63		pH Units			1	03/04/20	03/04/20 11:41	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.74		NTU	0.500	0.110	1	03/04/20	03/04/20 13:40	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:02	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:02	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:02	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-2A

0030324-03 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:02	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:02	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 15:02	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:02	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:02	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:02	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %	03/04/20		03/04/20 15:02		
Surrogate: Toluene-d8			88-110	98 %	03/04/20		03/04/20 15:02		
Surrogate: 4-Bromofluorobenzene			86-115	96 %	03/04/20		03/04/20 15:02		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-2A

0030324-03 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	392000		ug/L	500	500	1	03/03/20	03/04/20 17:03	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Barium	337		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Calcium	74200		ug/L	80.0	80.0	1	03/03/20	03/04/20 17:03	KD
Chromium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Copper	3.20		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Iron	123		ug/L	100	5.00	1	03/03/20	03/04/20 17:03	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Magnesium	50200		ug/L	100	100	1	03/03/20	03/04/20 17:03	KD
Manganese	38.2		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Mercury	0.105		ug/L	0.100	0.100	1	03/03/20	03/04/20 17:03	KD
Nickel	8.38		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Potassium	4440		ug/L	100	100	1	03/03/20	03/04/20 17:03	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Sodium	40100		ug/L	100	100	1	03/03/20	03/04/20 17:03	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:03	KD
Zinc	6.15		ug/L	4.00	4.00	1	03/03/20	03/04/20 17:03	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:09	VVD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-2A

0030324-03 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	41.8		mg/L	2.4	2.4	1	03/04/20	03/05/20 11:26	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:01	FRD
Chloride	331		mg/L	12.5	12.5	25	03/05/20	03/05/20 14:24	BMG
Conductivity	1150		us/Cm	1.00	1.00	1	03/05/20	03/05/20 09:30	FRD
Dissolved Solids	772		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	1.71		mg/L	0.20	0.10	1	03/04/20	03/04/20 22:41	BMG
Sulfate	24.1		mg/L	1.00	0.50	1	03/04/20	03/04/20 22:41	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	38.1		mg/L	1.0	1.0	1	03/05/20	03/05/20 09:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-02

0030324-04 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.29		pH Units			1	03/04/20	03/04/20 11:41	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	11.3		NTU	0.500	0.110	1	03/04/20	03/04/20 13:41	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:28	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:28	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:28	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-02

0030324-04 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:28	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:28	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 15:28	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:28	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:28	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:28	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %	03/04/20		03/04/20 15:28		
Surrogate: Toluene-d8			88-110	98 %	03/04/20		03/04/20 15:28		
Surrogate: 4-Bromofluorobenzene			86-115	96 %	03/04/20		03/04/20 15:28		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-02

**0030324-04 (Nonpotable Water)
Sample Date: 03/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	252000		ug/L	500	500	1	03/03/20	03/04/20 17:05	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Barium	236		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Calcium	50800		ug/L	80.0	80.0	1	03/03/20	03/04/20 17:05	KD
Chromium	2.02		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Cobalt	7.24		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Copper	1.42		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Iron	1040		ug/L	100	5.00	1	03/03/20	03/04/20 17:05	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Magnesium	30300		ug/L	100	100	1	03/03/20	03/04/20 17:05	KD
Manganese	1740		ug/L	5.00	5.00	5	03/03/20	03/04/20 18:24	KD
Mercury	ND		ug/L	0.100	0.100	1	03/03/20	03/04/20 17:05	KD
Nickel	8.64		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Potassium	6340		ug/L	100	100	1	03/03/20	03/04/20 17:05	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Sodium	22900		ug/L	100	100	1	03/03/20	03/04/20 17:05	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:05	KD
Zinc	4.37		ug/L	4.00	4.00	1	03/03/20	03/04/20 17:05	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:10	VVD



Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-02

0030324-04 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	12.0		mg/L	2.3	2.3	1	03/04/20	03/05/20 11:26	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:03	FRD
Chloride	174		mg/L	5.0	5.0	10	03/05/20	03/05/20 14:42	BMG
Conductivity	717		us/Cm	1.00	1.00	1	03/05/20	03/05/20 09:30	FRD
Dissolved Solids	494		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/04/20	03/04/20 22:59	BMG
Sulfate	14.4		mg/L	1.00	0.50	1	03/04/20	03/04/20 22:59	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	72.6		mg/L	1.0	1.0	1	03/05/20	03/05/20 09:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030324-05 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:53	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:53	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:53	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030324-05 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:53	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:53	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 15:53	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:53	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 15:53	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 15:53	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	102 %			03/04/20	03/04/20 15:53	
Surrogate: Toluene-d8			88-110	99 %			03/04/20	03/04/20 15:53	
Surrogate: 4-Bromofluorobenzene			86-115	96 %			03/04/20	03/04/20 15:53	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-7

0030324-06 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.90		pH Units			1	03/04/20	03/04/20 11:41	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.42		NTU	0.500	0.110	1	03/04/20	03/04/20 13:42	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 16:19	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 16:19	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Benzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 16:19	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,4-Dichlorobenzene	2.9		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
cis-1,2-Dichloroethene	4.9		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-7

0030324-06 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 16:19	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 16:19	GM
Isobutanol	ND		ug/L	100	100	1	03/04/20	03/04/20 16:19	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 16:19	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/04/20	03/04/20 16:19	GM
Styrene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Toluene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/04/20	03/04/20 16:19	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %	03/04/20		03/04/20 16:19		
Surrogate: Toluene-d8			88-110	99 %	03/04/20		03/04/20 16:19		
Surrogate: 4-Bromofluorobenzene			86-115	96 %	03/04/20		03/04/20 16:19		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-7

**0030324-06 (Nonpotable Water)
Sample Date: 03/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	199000		ug/L	500	500	1	03/03/20	03/04/20 17:08	KD
Antimony	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Barium	66.9		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Calcium	38200		ug/L	80.0	80.0	1	03/03/20	03/04/20 17:08	KD
Chromium	4.69		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Cobalt	23.5		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Copper	3.84		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Iron	181		ug/L	100	5.00	1	03/03/20	03/04/20 17:08	KD
Lead	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Magnesium	25200		ug/L	100	100	1	03/03/20	03/04/20 17:08	KD
Manganese	2280		ug/L	5.00	5.00	5	03/03/20	03/04/20 18:26	KD
Mercury	ND		ug/L	0.100	0.100	1	03/03/20	03/04/20 17:08	KD
Nickel	9.63		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Potassium	3220		ug/L	100	100	1	03/03/20	03/04/20 17:08	KD
Selenium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Silver	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Sodium	45000		ug/L	100	100	1	03/03/20	03/04/20 17:08	KD
Thallium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/03/20	03/04/20 17:08	KD
Zinc	6.50		ug/L	4.00	4.00	1	03/03/20	03/04/20 17:08	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	18.7		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:11	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-7

0030324-06 (Nonpotable Water)
Sample Date: 03/03/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	2.4		mg/L	2.3	2.3	1	03/04/20	03/05/20 11:26	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.30		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:06	FRD
Chloride	69.4		mg/L	2.5	2.5	5	03/05/20	03/05/20 15:00	BMG
Conductivity	610		us/Cm	1.00	1.00	1	03/05/20	03/05/20 09:30	FRD
Dissolved Solids	362		mg/L	5.0	5.0	1	03/05/20	03/08/20 11:00	SES
Nitrate (as N)	2.42		mg/L	0.20	0.10	1	03/04/20	03/04/20 23:18	BMG
Sulfate	66.0		mg/L	1.00	0.50	1	03/04/20	03/04/20 23:18	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	131		mg/L	1.0	1.0	1	03/05/20	03/05/20 09:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-1B

0030418-01 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.58		pH Units			1	03/05/20	03/05/20 09:50	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.91		NTU	0.500	0.110	1	03/05/20	03/05/20 11:10	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:08	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:08	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Benzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:08	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-1B

0030418-01 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:08	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:08	GM
Isobutanol	ND		ug/L	100	100	1	03/05/20	03/05/20 15:08	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:08	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:08	GM
Styrene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Toluene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:08	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %			03/05/20	03/05/20 15:08	
Surrogate: Toluene-d8			88-110	101 %			03/05/20	03/05/20 15:08	
Surrogate: 4-Bromofluorobenzene			86-115	98 %			03/05/20	03/05/20 15:08	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-1B

0030418-01 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	29500		ug/L	500	500	1	03/06/20	03/09/20 12:22	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Barium	1.58		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Calcium	5510	QB-01, B	ug/L	80.0	80.0	1	03/06/20	03/09/20 12:22	KD
Chromium	3.03		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Copper	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Iron	116		ug/L	100	5.00	1	03/06/20	03/09/20 12:22	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Magnesium	3820		ug/L	100	100	1	03/06/20	03/09/20 12:22	KD
Manganese	3.59		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 12:22	KD
Nickel	1.97		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Potassium	1040		ug/L	100	100	1	03/06/20	03/09/20 12:22	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Sodium	7540		ug/L	100	100	1	03/06/20	03/09/20 12:22	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:22	KD
Zinc	ND	QB-01	ug/L	4.00	4.00	1	03/06/20	03/09/20 12:22	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:11	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-1B

0030418-01 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	5.2		mg/L	2.4	2.4	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:08	FRD
Chloride	2.6		mg/L	0.5	0.5	1	03/05/20	03/05/20 19:46	BMG
Conductivity	93.3		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	76.0		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	0.15	Ja	mg/L	0.20	0.10	1	03/05/20	03/05/20 19:46	BMG
Sulfate	ND		mg/L	1.00	0.50	1	03/06/20	03/06/20 17:45	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	45.1		mg/L	1.0	1.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3A

0030418-02 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.29		pH Units			1	03/05/20	03/05/20 09:50	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.11		NTU	0.500	0.110	1	03/05/20	03/05/20 11:13	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:34	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:34	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Benzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:34	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Chloroform	2.0		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3A

0030418-02 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:34	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:34	GM
Isobutanol	ND		ug/L	100	100	1	03/05/20	03/05/20 15:34	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:34	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:34	GM
Styrene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Toluene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:34	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %	03/05/20		03/05/20 15:34		
Surrogate: Toluene-d8			88-110	101 %	03/05/20		03/05/20 15:34		
Surrogate: 4-Bromofluorobenzene			86-115	96 %	03/05/20		03/05/20 15:34		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3A

0030418-02 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	23200		ug/L	500	500	1	03/06/20	03/09/20 12:25	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Barium	3.99		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Calcium	6630	QB-01, B	ug/L	80.0	80.0	1	03/06/20	03/09/20 12:25	KD
Chromium	2.04		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Copper	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Iron	235		ug/L	100	5.00	1	03/06/20	03/09/20 12:25	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Magnesium	1610		ug/L	100	100	1	03/06/20	03/09/20 12:25	KD
Manganese	13.2		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 12:25	KD
Nickel	1.34		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Potassium	1060		ug/L	100	100	1	03/06/20	03/09/20 12:25	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Sodium	3310		ug/L	100	100	1	03/06/20	03/09/20 12:25	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:25	KD
Zinc	ND		ug/L	4.00	4.00	1	03/06/20	03/09/20 12:25	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:12	VVD



Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3A

0030418-02 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	18.8		mg/L	2.4	2.4	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:14	FRD
Chloride	2.7		mg/L	0.5	0.5	1	03/05/20	03/05/20 20:04	BMG
Conductivity	65.3		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	55.0		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/05/20	03/05/20 20:04	BMG
Sulfate	1.22		mg/L	1.00	0.50	1	03/06/20	03/06/20 18:04	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	28.9		mg/L	1.0	1.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3B

0030418-03 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.25		pH Units			1	03/05/20	03/05/20 09:50	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.25		NTU	0.500	0.110	1	03/05/20	03/05/20 11:16	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:59	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:59	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Benzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:59	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Chloroform	2.0		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3B

0030418-03 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:59	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:59	GM
Isobutanol	ND		ug/L	100	100	1	03/05/20	03/05/20 15:59	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:59	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 15:59	GM
Styrene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Toluene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 15:59	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %			03/05/20	03/05/20 15:59	
Surrogate: Toluene-d8			88-110	100 %			03/05/20	03/05/20 15:59	
Surrogate: 4-Bromofluorobenzene			86-115	96 %			03/05/20	03/05/20 15:59	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3B

**0030418-03 (Nonpotable Water)
Sample Date: 03/04/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	15300		ug/L	500	500	1	03/06/20	03/09/20 12:27	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Barium	4.58		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Calcium	3470	QB-01, B	ug/L	80.0	80.0	1	03/06/20	03/09/20 12:27	KD
Chromium	2.01		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Copper	1.40		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Iron	218		ug/L	100	5.00	1	03/06/20	03/09/20 12:27	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Magnesium	1620		ug/L	100	100	1	03/06/20	03/09/20 12:27	KD
Manganese	10.2		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 12:27	KD
Nickel	1.20		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Potassium	931		ug/L	100	100	1	03/06/20	03/09/20 12:27	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Sodium	3210		ug/L	100	100	1	03/06/20	03/09/20 12:27	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:27	KD
Zinc	11.3		ug/L	4.00	4.00	1	03/06/20	03/09/20 12:27	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:12	VVD



Cory Koons, Laboratory Manager

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.

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410-247-7600
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-3B

0030418-03 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.8		mg/L	4.2	4.2	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:16	FRD
Chloride	2.7		mg/L	0.5	0.5	1	03/05/20	03/05/20 20:22	BMG
Conductivity	47.7		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	48.0		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/05/20	03/05/20 20:22	BMG
Sulfate	ND		mg/L	1.00	0.50	1	03/06/20	03/06/20 18:22	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	21.0		mg/L	1.0	1.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

OB-08A

0030418-04 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.30		pH Units			1	03/05/20	03/05/20 09:50	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.03		NTU	0.500	0.110	1	03/05/20	03/05/20 11:19	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:25	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:25	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Benzene	1.3		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:25	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Chlorobenzene	11.9		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,4-Dichlorobenzene	5.6		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
cis-1,2-Dichloroethene	8.2		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,2-Dichloropropane	1.2		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-08A

0030418-04 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:25	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:25	GM
Isobutanol	ND		ug/L	100	100	1	03/05/20	03/05/20 16:25	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:25	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:25	GM
Styrene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Toluene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Vinyl chloride	1.4		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:25	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	104 %			03/05/20	03/05/20 16:25	
Surrogate: Toluene-d8			88-110	99 %			03/05/20	03/05/20 16:25	
Surrogate: 4-Bromofluorobenzene			86-115	97 %			03/05/20	03/05/20 16:25	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-08A

0030418-04 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	226000		ug/L	500	500	1	03/06/20	03/09/20 12:30	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Arsenic	2.73		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Barium	76.5		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Calcium	53000	QB-01, B	ug/L	800	800	10	03/06/20	03/09/20 15:11	KD
Chromium	1.03		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Cobalt	16.3		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Copper	1.15		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Iron	4030		ug/L	100	5.00	1	03/06/20	03/09/20 12:30	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Magnesium	23700		ug/L	100	100	1	03/06/20	03/09/20 12:30	KD
Manganese	8610		ug/L	10.0	10.0	10	03/06/20	03/09/20 15:11	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 12:30	KD
Nickel	6.69		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Potassium	2850		ug/L	100	100	1	03/06/20	03/09/20 12:30	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Sodium	31700		ug/L	100	100	1	03/06/20	03/09/20 12:30	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:30	KD
Zinc	7.19		ug/L	4.00	4.00	1	03/06/20	03/09/20 12:30	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	10.4		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:13	VVD



Cory Koons, Laboratory Manager

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Baltimore MD 21227
410-247-7600
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-08A

0030418-04 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	10.6		mg/L	2.3	2.3	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.30		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:19	FRD
Chloride	72.3		mg/L	2.5	2.5	5	03/06/20	03/07/20 00:40	BMG
Conductivity	643		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	363		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	0.55		mg/L	0.20	0.10	1	03/05/20	03/05/20 20:40	BMG
Sulfate	2.75		mg/L	1.00	0.50	1	03/06/20	03/06/20 18:40	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	232		mg/L	1.0	1.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-08

**0030418-05 (Nonpotable Water)
Sample Date: 03/04/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.49		pH Units			1	03/05/20	03/05/20 09:50	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	0.709		NTU	0.500	0.110	1	03/05/20	03/05/20 11:22	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:50	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:50	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Benzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:50	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Chlorobenzene	5.7		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,4-Dichlorobenzene	2.7		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
cis-1,2-Dichloroethene	10.7		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-08

0030418-05 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:50	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:50	GM
Isobutanol	ND		ug/L	100	100	1	03/05/20	03/05/20 16:50	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:50	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 16:50	GM
Styrene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Toluene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 16:50	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %			03/05/20	03/05/20 16:50	
Surrogate: Toluene-d8			88-110	99 %			03/05/20	03/05/20 16:50	
Surrogate: 4-Bromofluorobenzene			86-115	96 %			03/05/20	03/05/20 16:50	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-08

**0030418-05 (Nonpotable Water)
Sample Date: 03/04/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	216000		ug/L	500	500	1	03/06/20	03/09/20 12:32	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Barium	147		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Calcium	61700	QB-01, B	ug/L	800	800	10	03/06/20	03/09/20 15:19	KD
Chromium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Cobalt	5.06		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Copper	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Iron	115		ug/L	100	5.00	1	03/06/20	03/09/20 12:32	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Magnesium	17300		ug/L	100	100	1	03/06/20	03/09/20 12:32	KD
Manganese	6050		ug/L	10.0	10.0	10	03/06/20	03/09/20 15:19	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 12:32	KD
Nickel	6.38		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Potassium	2730		ug/L	100	100	1	03/06/20	03/09/20 12:32	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Sodium	23500		ug/L	100	100	1	03/06/20	03/09/20 12:32	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:32	KD
Zinc	ND		ug/L	4.00	4.00	1	03/06/20	03/09/20 12:32	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	4.9		mg/L	3.0	3.0	1	03/05/20	03/05/20 14:13	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-08

0030418-05 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	4.3		mg/L	2.5	2.5	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:21	FRD
Chloride	54.0		mg/L	2.5	2.5	5	03/06/20	03/07/20 00:57	BMG
Conductivity	572		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	332		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	0.36		mg/L	0.20	0.10	1	03/05/20	03/05/20 20:57	BMG
Sulfate	5.92		mg/L	5.00	2.50	5	03/06/20	03/07/20 00:57	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	224		mg/L	1.0	1.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030418-06 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 17:16	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 17:16	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Benzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 17:16	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030418-06 (Nonpotable Water)
Sample Date: 03/04/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 17:16	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 17:16	GM
Isobutanol	ND		ug/L	100	100	1	03/05/20	03/05/20 17:16	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 17:16	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/05/20	03/05/20 17:16	GM
Styrene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Toluene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/05/20	03/05/20 17:16	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %			03/05/20	03/05/20 17:16	
Surrogate: Toluene-d8			88-110	99 %			03/05/20	03/05/20 17:16	
Surrogate: 4-Bromofluorobenzene			86-115	97 %			03/05/20	03/05/20 17:16	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24B

0030530-01 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.40		pH Units			1	03/06/20	03/06/20 12:37	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	166		NTU	2.50	0.550	5	03/06/20	03/06/20 14:03	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 20:43	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 20:43	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Benzene	5.7		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 20:43	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Chlorobenzene	3.6		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,4-Dichlorobenzene	13.3		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,1-Dichloroethane	3.8		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
cis-1,2-Dichloroethene	1.7		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
trans-1,2-Dichloroethene	3.0		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24B

0030530-01 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 20:43	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 20:43	GM
Isobutanol	ND		ug/L	100	100	1	03/09/20	03/09/20 20:43	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 20:43	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 20:43	GM
Styrene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Toluene	3.0		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Vinyl chloride	1.3		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
o-Xylene	1.4		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 20:43	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	102 %			03/09/20	03/09/20 20:43	
Surrogate: Toluene-d8			88-110	99 %			03/09/20	03/09/20 20:43	
Surrogate: 4-Bromofluorobenzene			86-115	101 %			03/09/20	03/09/20 20:43	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24B

0030530-01 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	571000		ug/L	500	500	1	03/06/20	03/09/20 12:57	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Arsenic	31.4		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Barium	189		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Calcium	94400	QB-01, B	ug/L	400	400	5	03/06/20	03/09/20 15:21	KD
Chromium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Cobalt	51.7		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Copper	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Iron	47700		ug/L	100	5.00	1	03/06/20	03/09/20 12:57	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Magnesium	81500		ug/L	100	100	1	03/06/20	03/09/20 12:57	KD
Manganese	4330		ug/L	5.00	5.00	5	03/06/20	03/09/20 15:21	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 12:57	KD
Nickel	14.2		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Potassium	4140		ug/L	100	100	1	03/06/20	03/09/20 12:57	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Sodium	34000		ug/L	100	100	1	03/06/20	03/09/20 12:57	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 12:57	KD
Zinc	ND		ug/L	4.00	4.00	1	03/06/20	03/09/20 12:57	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	22.3		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:55	VVD



Cory Koons, Laboratory Manager

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1500 Caton Center Dr Suite G
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24B

0030530-01 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	15.4		mg/L	2.3	2.3	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:23	FRD
Chloride	315		mg/L	12.5	12.5	25	03/09/20	03/09/20 16:42	BMG
Conductivity	1480		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	822		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	0.64		mg/L	0.20	0.10	1	03/06/20	03/06/20 20:47	BMG
Sulfate	ND		mg/L	1.00	0.50	1	03/06/20	03/06/20 20:47	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	322		mg/L	2.0	2.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-40

**0030530-02 (Nonpotable Water)
Sample Date: 03/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.43		pH Units			1	03/06/20	03/06/20 12:37	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	130		NTU	2.50	0.550	5	03/06/20	03/06/20 14:13	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:09	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:09	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Benzene	5.6		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:09	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Chlorobenzene	3.8		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,4-Dichlorobenzene	14.1		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,1-Dichloroethane	3.7		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
cis-1,2-Dichloroethene	2.0		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
trans-1,2-Dichloroethene	3.0		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-40

**0030530-02 (Nonpotable Water)
Sample Date: 03/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:09	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:09	GM
Isobutanol	ND		ug/L	100	100	1	03/09/20	03/09/20 21:09	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:09	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:09	GM
Styrene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Toluene	9.5		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
Vinyl chloride	1.5		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
o-Xylene	1.2		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:09	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>80-120</i>	<i>103 %</i>		<i>03/09/20</i>	<i>03/09/20 21:09</i>	
<i>Surrogate: Toluene-d8</i>				<i>88-110</i>	<i>99 %</i>		<i>03/09/20</i>	<i>03/09/20 21:09</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>86-115</i>	<i>100 %</i>		<i>03/09/20</i>	<i>03/09/20 21:09</i>	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-40

**0030530-02 (Nonpotable Water)
Sample Date: 03/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	567000		ug/L	500	500	1	03/06/20	03/09/20 13:00	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Arsenic	30.6		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Barium	186		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Calcium	91700	QB-01, B	ug/L	400	400	5	03/06/20	03/09/20 15:24	KD
Chromium	1.19		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Cobalt	51.8		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Copper	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Iron	47800		ug/L	100	5.00	1	03/06/20	03/09/20 13:00	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Magnesium	81000		ug/L	100	100	1	03/06/20	03/09/20 13:00	KD
Manganese	4320		ug/L	5.00	5.00	5	03/06/20	03/09/20 15:24	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 13:00	KD
Nickel	14.3		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Potassium	4030		ug/L	100	100	1	03/06/20	03/09/20 13:00	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Sodium	34000		ug/L	100	100	1	03/06/20	03/09/20 13:00	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:00	KD
Zinc	ND		ug/L	4.00	4.00	1	03/06/20	03/09/20 13:00	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	29.7		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:55	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-40

0030530-02 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	16.8		mg/L	2.4	2.4	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:25	FRD
Chloride	320		mg/L	12.5	12.5	25	03/09/20	03/09/20 17:00	BMG
Conductivity	1480		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	895		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/06/20	03/06/20 21:05	BMG
Sulfate	0.60	Ja	mg/L	1.00	0.50	1	03/06/20	03/06/20 21:05	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	324		mg/L	2.0	2.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24A

0030530-03 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.07		pH Units			1	03/06/20	03/06/20 12:37	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	6.02		NTU	0.500	0.110	1	03/06/20	03/06/20 14:19	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:34	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:34	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Benzene	4.5		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:34	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Chlorobenzene	8.6		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,2-Dichlorobenzene	1.1		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,4-Dichlorobenzene	14.1		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,1-Dichloroethane	1.6		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
cis-1,2-Dichloroethene	5.1		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
trans-1,2-Dichloroethene	2.1		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,2-Dichloropropane	1.1		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24A

0030530-03 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:34	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:34	GM
Isobutanol	ND		ug/L	100	100	1	03/09/20	03/09/20 21:34	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:34	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 21:34	GM
Styrene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Toluene	1.3		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Vinyl chloride	10.5		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 21:34	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %			03/09/20	03/09/20 21:34	
Surrogate: Toluene-d8			88-110	98 %			03/09/20	03/09/20 21:34	
Surrogate: 4-Bromofluorobenzene			86-115	98 %			03/09/20	03/09/20 21:34	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24A

**0030530-03 (Nonpotable Water)
Sample Date: 03/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	456000		ug/L	500	500	1	03/06/20	03/09/20 13:02	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Arsenic	5.01		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Barium	287		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Calcium	67900	QB-01, B	ug/L	800	800	10	03/06/20	03/09/20 15:27	KD
Chromium	1.61		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Cobalt	63.3		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Copper	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Iron	22600		ug/L	100	5.00	1	03/06/20	03/09/20 13:02	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Magnesium	69600		ug/L	100	100	1	03/06/20	03/09/20 13:02	KD
Manganese	9190		ug/L	10.0	10.0	10	03/06/20	03/09/20 15:27	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 13:02	KD
Nickel	33.9		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Potassium	5090		ug/L	100	100	1	03/06/20	03/09/20 13:02	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Sodium	49500		ug/L	100	100	1	03/06/20	03/09/20 13:02	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:02	KD
Zinc	ND		ug/L	4.00	4.00	1	03/06/20	03/09/20 13:02	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	23.1		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:56	VVD



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Cory Koons, Laboratory Manager

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410-247-7600
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-24A

0030530-03 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.50		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:27	FRD
Chloride	333		mg/L	12.5	12.5	25	03/09/20	03/09/20 17:18	BMG
Conductivity	1330		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	754		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/06/20	03/06/20 21:23	BMG
Sulfate	0.77	Ja	mg/L	1.00	0.50	1	03/06/20	03/06/20 21:23	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	169		mg/L	1.0	1.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22A

0030530-04 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.55		pH Units			1	03/06/20	03/06/20 12:37	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	20.3		NTU	0.500	0.110	1	03/06/20	03/06/20 14:24	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:00	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:00	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Benzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:00	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Chlorobenzene	1.0		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,4-Dichlorobenzene	1.3		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
cis-1,2-Dichloroethene	4.2		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22A

0030530-04 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:00	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:00	GM
Isobutanol	ND		ug/L	100	100	1	03/09/20	03/09/20 22:00	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:00	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:00	GM
Styrene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Toluene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Trichloroethene	2.9		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:00	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %			03/09/20	03/09/20 22:00	
Surrogate: Toluene-d8			88-110	99 %			03/09/20	03/09/20 22:00	
Surrogate: 4-Bromofluorobenzene			86-115	98 %			03/09/20	03/09/20 22:00	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22A

**0030530-04 (Nonpotable Water)
Sample Date: 03/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	369000		ug/L	500	500	1	03/06/20	03/09/20 13:05	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Barium	27.8		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Cadmium	1.26		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Calcium	86700	QB-01, B	ug/L	400	400	5	03/06/20	03/09/20 15:29	KD
Chromium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Cobalt	3.07		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Copper	2.30		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Iron	3390		ug/L	100	5.00	1	03/06/20	03/09/20 13:05	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Magnesium	38500		ug/L	100	100	1	03/06/20	03/09/20 13:05	KD
Manganese	2520		ug/L	5.00	5.00	5	03/06/20	03/09/20 15:29	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 13:05	KD
Nickel	8.51		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Potassium	5130		ug/L	100	100	1	03/06/20	03/09/20 13:05	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Sodium	107000		ug/L	500	500	5	03/06/20	03/09/20 15:29	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:05	KD
Zinc	4.29		ug/L	4.00	4.00	1	03/06/20	03/09/20 13:05	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	7.7		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:56	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22A

0030530-04 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	5.0		mg/L	2.3	2.3	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.12		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:29	FRD
Chloride	130		mg/L	5.0	5.0	10	03/10/20	03/10/20 17:32	BMG
Conductivity	1110		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	667		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/06/20	03/06/20 21:41	BMG
Sulfate	33.2		mg/L	1.00	0.50	1	03/06/20	03/06/20 21:41	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	406		mg/L	2.0	2.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22B

0030530-05 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.94		pH Units			1	03/06/20	03/06/20 12:37	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	31.2		NTU	0.500	0.110	1	03/06/20	03/06/20 14:28	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:25	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:25	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Benzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:25	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
cis-1,2-Dichloroethene	3.3		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22B

0030530-05 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:25	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:25	GM
Isobutanol	ND		ug/L	100	100	1	03/09/20	03/09/20 22:25	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:25	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:25	GM
Styrene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Toluene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Trichloroethene	1.2		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:25	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %			03/09/20	03/09/20 22:25	
Surrogate: Toluene-d8			88-110	99 %			03/09/20	03/09/20 22:25	
Surrogate: 4-Bromofluorobenzene			86-115	96 %			03/09/20	03/09/20 22:25	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22B

0030530-05 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	340000		ug/L	500	500	1	03/06/20	03/09/20 13:08	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Arsenic	9.78		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Barium	35.7		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Calcium	89700	QB-01, B	ug/L	400	400	5	03/06/20	03/09/20 15:32	KD
Chromium	1.31		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Copper	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Iron	3550		ug/L	100	5.00	1	03/06/20	03/09/20 13:08	KD
Lead	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Magnesium	27800		ug/L	100	100	1	03/06/20	03/09/20 13:08	KD
Manganese	566		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 13:08	KD
Nickel	3.54		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Potassium	7270		ug/L	100	100	1	03/06/20	03/09/20 13:08	KD
Selenium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Sodium	52600		ug/L	100	100	1	03/06/20	03/09/20 13:08	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:08	KD
Zinc	4.46		ug/L	4.00	4.00	1	03/06/20	03/09/20 13:08	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:56	VVD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-22B

0030530-05 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.8		mg/L	2.3	2.3	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:32	FRD
Chloride	123		mg/L	2.5	2.5	5	03/09/20	03/09/20 17:53	BMG
Conductivity	932		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	540		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/06/20	03/06/20 21:59	BMG
Sulfate	34.1		mg/L	1.00	0.50	1	03/06/20	03/06/20 21:59	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	285		mg/L	2.0	2.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-025

0030530-06 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.41		pH Units			1	03/06/20	03/06/20 12:37	WEG
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	72.5		NTU	2.50	0.550	5	03/06/20	03/06/20 14:39	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:51	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:51	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Benzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:51	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
cis-1,2-Dichloroethene	4.3		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-025

0030530-06 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:51	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:51	GM
Isobutanol	ND		ug/L	100	100	1	03/09/20	03/09/20 22:51	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:51	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 22:51	GM
Styrene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Toluene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 22:51	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	107 %			03/09/20	03/09/20 22:51	
Surrogate: Toluene-d8			88-110	100 %			03/09/20	03/09/20 22:51	
Surrogate: 4-Bromofluorobenzene			86-115	98 %			03/09/20	03/09/20 22:51	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-025

0030530-06 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	377000		ug/L	500	500	1	03/06/20	03/09/20 13:10	KD
Antimony	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Arsenic	1.96		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Barium	115		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Calcium	60500	QB-01, B	ug/L	4000	4000	50	03/06/20	03/09/20 15:34	KD
Chromium	35.4		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Cobalt	35.1		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Copper	5.31		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Iron	10800		ug/L	100	5.00	1	03/06/20	03/09/20 13:10	KD
Lead	1.20		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Magnesium	54400		ug/L	100	100	1	03/06/20	03/09/20 13:10	KD
Manganese	22700		ug/L	50.0	50.0	50	03/06/20	03/09/20 15:34	KD
Mercury	ND		ug/L	0.100	0.100	1	03/06/20	03/09/20 13:10	KD
Nickel	36.4		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Potassium	16100		ug/L	100	100	1	03/06/20	03/09/20 13:10	KD
Selenium	1.12		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Silver	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Sodium	83300		ug/L	100	100	1	03/06/20	03/09/20 13:10	KD
Thallium	ND		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Vanadium	3.77		ug/L	1.00	1.00	1	03/06/20	03/09/20 13:10	KD
Zinc	25.8		ug/L	4.00	4.00	1	03/06/20	03/09/20 13:10	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	25.6		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:57	VVD



Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-025

0030530-06 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	57.0		mg/L	3.1	3.1	1	03/06/20	03/06/20 16:49	WEG
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.37		mg/L	0.10	0.05	1	03/06/20	03/06/20 13:34	FRD
Chloride	190		mg/L	5.0	5.0	10	03/09/20	03/09/20 18:11	BMG
Conductivity	1190		us/Cm	1.00	1.00	1	03/06/20	03/06/20 10:30	FRD
Dissolved Solids	698		mg/L	5.0	5.0	1	03/10/20	03/10/20 13:11	FRD
Nitrate (as N)	3.27		mg/L	0.20	0.10	1	03/06/20	03/06/20 22:17	BMG
Sulfate	37.6		mg/L	1.00	0.50	1	03/06/20	03/06/20 22:17	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	310		mg/L	2.0	2.0	1	03/06/20	03/06/20 10:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030530-07 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 23:17	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 23:17	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Benzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 23:17	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030530-07 (Nonpotable Water)
Sample Date: 03/05/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 23:17	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 23:17	GM
Isobutanol	ND		ug/L	100	100	1	03/09/20	03/09/20 23:17	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 23:17	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/09/20	03/09/20 23:17	GM
Styrene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Toluene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/09/20	03/09/20 23:17	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %			03/09/20	03/09/20 23:17	
Surrogate: Toluene-d8			88-110	99 %			03/09/20	03/09/20 23:17	
Surrogate: 4-Bromofluorobenzene			86-115	96 %			03/09/20	03/09/20 23:17	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13B

0030917-01 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.10		pH Units			1	03/10/20	03/10/20 13:44	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/10/20	03/10/20 16:51	KD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 14:37	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 14:37	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Benzene	1.6		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 14:37	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Chlorobenzene	1.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,4-Dichlorobenzene	6.6		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,1-Dichloroethane	8.7		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,2-Dichloroethane	1.4		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
cis-1,2-Dichloroethene	57.0		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
trans-1,2-Dichloroethene	2.1		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,2-Dichloropropane	5.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13B

0030917-01 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 14:37	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 14:37	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 14:37	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 14:37	GM
Methylene chloride	2.5	B	ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 14:37	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Tetrachloroethene	11.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Trichloroethene	11.9		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Vinyl chloride	5.0		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 14:37	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	101 %			03/10/20	03/10/20 14:37	
Surrogate: Toluene-d8			88-110	100 %			03/10/20	03/10/20 14:37	
Surrogate: 4-Bromofluorobenzene			86-115	95 %			03/10/20	03/10/20 14:37	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13B

0030917-01 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	355000		ug/L	5000	5000	10	03/10/20	03/12/20 10:53	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Barium	73.9		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Calcium	81000		ug/L	800	800	10	03/10/20	03/12/20 10:53	VVD
Chromium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Copper	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Iron	15.5	J	ug/L	100	5.00	1	03/10/20	03/11/20 12:34	VVD
Lead	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Magnesium	37100		ug/L	1000	1000	10	03/10/20	03/12/20 10:53	VVD
Manganese	36.9		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Mercury	0.217		ug/L	0.100	0.100	1	03/10/20	03/11/20 12:34	VVD
Nickel	2.03		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Potassium	3510		ug/L	100	100	1	03/10/20	03/11/20 12:34	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Silver	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Sodium	20400		ug/L	100	100	1	03/10/20	03/11/20 12:34	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:34	VVD
Zinc	ND		ug/L	4.00	4.00	1	03/10/20	03/11/20 12:34	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	10.6		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:58	VVD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13B

0030917-01 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	4.8	4.8	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 11:38	FRD
Chloride	98.4		mg/L	5.0	5.0	1	03/12/20	03/12/20 22:52	SES
Conductivity	757		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	456		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	5.88		mg/L	0.20	0.10	1	03/10/20	03/10/20 19:19	BMG
Sulfate	16.4		mg/L	1.00	0.50	1	03/10/20	03/10/20 19:19	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	204		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-30

0030917-02 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.15		pH Units			1	03/10/20	03/10/20 13:44	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/10/20	03/10/20 16:53	KD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:03	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:03	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Benzene	1.7		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:03	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Chlorobenzene	1.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,4-Dichlorobenzene	6.9		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,1-Dichloroethane	8.5		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,2-Dichloroethane	1.3		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
cis-1,2-Dichloroethene	56.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
trans-1,2-Dichloroethene	1.9		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,2-Dichloropropane	4.9		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-30

0030917-02 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:03	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:03	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 15:03	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:03	GM
Methylene chloride	2.6	B	ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:03	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Tetrachloroethene	10.8		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Trichloroethene	12.3		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Vinyl chloride	5.0		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:03	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	104 %	03/10/20		03/10/20 15:03		
Surrogate: Toluene-d8			88-110	99 %	03/10/20		03/10/20 15:03		
Surrogate: 4-Bromofluorobenzene			86-115	97 %	03/10/20		03/10/20 15:03		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-30

0030917-02 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	334000		ug/L	5000	5000	10	03/10/20	03/12/20 10:55	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Barium	74.7		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Calcium	76900		ug/L	800	800	10	03/10/20	03/12/20 10:55	VVD
Chromium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Copper	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Iron	17.7	J	ug/L	100	5.00	1	03/10/20	03/11/20 12:36	VVD
Lead	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Magnesium	34600		ug/L	1000	1000	10	03/10/20	03/12/20 10:55	VVD
Manganese	40.3		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Mercury	0.235		ug/L	0.100	0.100	1	03/10/20	03/11/20 12:36	VVD
Nickel	1.91		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Potassium	3550		ug/L	100	100	1	03/10/20	03/11/20 12:36	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Silver	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Sodium	20400		ug/L	100	100	1	03/10/20	03/11/20 12:36	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:36	VVD
Zinc	ND		ug/L	4.00	4.00	1	03/10/20	03/11/20 12:36	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	7.4		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:58	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-30

0030917-02 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.5	2.5	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 11:45	FRD
Chloride	98.7		mg/L	5.0	5.0	10	03/12/20	03/12/20 23:46	SES
Conductivity	759		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	463		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	5.23		mg/L	0.20	0.10	1	03/10/20	03/10/20 19:37	BMG
Sulfate	17.8		mg/L	1.00	0.50	1	03/10/20	03/10/20 19:37	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	205		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13A

0030917-03 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.37		pH Units			1	03/10/20	03/10/20 13:44	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	7.15		NTU	0.500	0.110	1	03/10/20	03/10/20 16:54	KD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:28	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:28	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Benzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:28	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Chloroform	3.0		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,4-Dichlorobenzene	2.4		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,1-Dichloroethane	8.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,2-Dichloroethane	1.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
cis-1,2-Dichloroethene	51.6		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
trans-1,2-Dichloroethene	1.6		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,2-Dichloropropane	3.6		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13A

0030917-03 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:28	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:28	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 15:28	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:28	GM
Methylene chloride	2.0	B	ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:28	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Tetrachloroethene	7.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Trichloroethene	10.9		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Vinyl chloride	2.3		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:28	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	104 %			03/10/20	03/10/20 15:28	
Surrogate: Toluene-d8			88-110	98 %			03/10/20	03/10/20 15:28	
Surrogate: 4-Bromofluorobenzene			86-115	95 %			03/10/20	03/10/20 15:28	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13A

**0030917-03 (Nonpotable Water)
Sample Date: 03/09/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	132000		ug/L	500	500	1	03/10/20	03/11/20 12:39	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Barium	165		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Calcium	20100		ug/L	80.0	80.0	1	03/10/20	03/11/20 12:39	VVD
Chromium	3.97		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Cobalt	17.4		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Copper	2.62		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Iron	720		ug/L	100	5.00	1	03/10/20	03/11/20 12:39	VVD
Lead	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Magnesium	20000		ug/L	100	100	1	03/10/20	03/11/20 12:39	VVD
Manganese	695		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/10/20	03/11/20 12:39	VVD
Nickel	11.6		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Potassium	2520		ug/L	100	100	1	03/10/20	03/11/20 12:39	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Silver	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Sodium	14300		ug/L	100	100	1	03/10/20	03/11/20 12:39	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Vanadium	1.35		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:39	VVD
Zinc	16.6		ug/L	4.00	4.00	1	03/10/20	03/11/20 12:39	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	7.6		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:58	VVD



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-13A

0030917-03 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	18.1		mg/L	4.8	4.8	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 11:47	FRD
Chloride	86.0		mg/L	5.0	5.0	10	03/13/20	03/13/20 00:04	SES
Conductivity	367		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	217		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.93		mg/L	0.20	0.10	1	03/10/20	03/10/20 20:31	BMG
Sulfate	2.10		mg/L	1.00	0.50	1	03/10/20	03/10/20 20:31	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	29.8		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

OB-04A

0030917-04 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.77		pH Units			1	03/10/20	03/10/20 13:44	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.27		NTU	0.500	0.110	1	03/10/20	03/10/20 16:54	KD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:54	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:54	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Benzene	1.9		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:54	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Chlorobenzene	1.4		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,4-Dichlorobenzene	8.4		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
cis-1,2-Dichloroethene	20.3		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-04A

0030917-04 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:54	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:54	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 15:54	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:54	GM
Methylene chloride	4.0	B	ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 15:54	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Tetrachloroethene	1.4		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Trichloroethene	1.3		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Vinyl chloride	2.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 15:54	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %			03/10/20	03/10/20 15:54	
Surrogate: Toluene-d8			88-110	99 %			03/10/20	03/10/20 15:54	
Surrogate: 4-Bromofluorobenzene			86-115	97 %			03/10/20	03/10/20 15:54	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-04A

**0030917-04 (Nonpotable Water)
Sample Date: 03/09/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	835000		ug/L	5000	5000	10	03/10/20	03/12/20 10:58	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Barium	77.0		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Calcium	135000		ug/L	800	800	10	03/10/20	03/12/20 10:58	VVD
Chromium	1.66		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Cobalt	1.19		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Copper	32.7		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Iron	63.4	J	ug/L	100	5.00	1	03/10/20	03/11/20 12:41	VVD
Lead	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Magnesium	121000		ug/L	1000	1000	10	03/10/20	03/12/20 10:58	VVD
Manganese	3120		ug/L	10.0	10.0	10	03/10/20	03/12/20 10:58	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/10/20	03/11/20 12:41	VVD
Nickel	26.2		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Potassium	6420		ug/L	100	100	1	03/10/20	03/11/20 12:41	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Silver	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Sodium	114000		ug/L	1000	1000	10	03/10/20	03/12/20 10:58	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:41	VVD
Zinc	27.8		ug/L	4.00	4.00	1	03/10/20	03/11/20 12:41	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	41.9		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:59	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-04A

0030917-04 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.7		mg/L	2.3	2.3	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.63		mg/L	0.10	0.05	1	03/16/20	03/16/20 11:49	FRD
Chloride	566		mg/L	25.0	25.0	50	03/13/20	03/13/20 00:22	SES
Conductivity	2110		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	1390		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.21		mg/L	0.20	0.10	1	03/10/20	03/10/20 20:49	BMG
Sulfate	12.2		mg/L	1.00	0.50	1	03/10/20	03/10/20 20:49	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	157		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

ST-120

0030917-05 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.91		pH Units			1	03/10/20	03/10/20 13:44	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.04		NTU	0.500	0.110	1	03/10/20	03/10/20 16:58	KD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:19	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:19	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Benzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:19	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-120

0030917-05 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:19	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:19	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 16:19	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:19	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:19	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:19	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %	03/10/20		03/10/20 16:19		
Surrogate: Toluene-d8			88-110	99 %	03/10/20		03/10/20 16:19		
Surrogate: 4-Bromofluorobenzene			86-115	95 %	03/10/20		03/10/20 16:19		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-120

0030917-05 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	152000		ug/L	500	500	1	03/10/20	03/11/20 12:44	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Barium	45.3		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Calcium	28400		ug/L	80.0	80.0	1	03/10/20	03/11/20 12:44	VVD
Chromium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Copper	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Iron	298		ug/L	100	5.00	1	03/10/20	03/11/20 12:44	VVD
Lead	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Magnesium	19600		ug/L	100	100	1	03/10/20	03/11/20 12:44	VVD
Manganese	87.2		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/10/20	03/11/20 12:44	VVD
Nickel	6.05		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Potassium	2300		ug/L	100	100	1	03/10/20	03/11/20 12:44	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Silver	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Sodium	37600		ug/L	100	100	1	03/10/20	03/11/20 12:44	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:44	VVD
Zinc	4.61		ug/L	4.00	4.00	1	03/10/20	03/11/20 12:44	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	6.1		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:59	VVD



Cory Koons, Laboratory Manager

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Baltimore MD 21227
410-247-7600
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-120

0030917-05 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 11:51	FRD
Chloride	113		mg/L	5.0	5.0	10	03/13/20	03/13/20 00:39	SES
Conductivity	507		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	276		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.80		mg/L	0.20	0.10	1	03/10/20	03/10/20 21:07	BMG
Sulfate	12.3		mg/L	1.00	0.50	1	03/10/20	03/10/20 21:07	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	60.2		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-04

**0030917-06 (Nonpotable Water)
Sample Date: 03/09/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.12		pH Units			1	03/10/20	03/10/20 13:44	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/10/20	03/10/20 16:59	KD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:45	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:45	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Benzene	1.7		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:45	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Chlorobenzene	1.7		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,4-Dichlorobenzene	6.0		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
cis-1,2-Dichloroethene	14.8		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-04

0030917-06 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:45	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:45	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 16:45	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:45	GM
Methylene chloride	2.3	B	ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 16:45	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Tetrachloroethene	1.4		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Trichloroethene	1.3		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Vinyl chloride	1.5		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 16:45	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %	03/10/20		03/10/20 16:45		
Surrogate: Toluene-d8			88-110	99 %	03/10/20		03/10/20 16:45		
Surrogate: 4-Bromofluorobenzene			86-115	97 %	03/10/20		03/10/20 16:45		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-04

**0030917-06 (Nonpotable Water)
Sample Date: 03/09/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	875000		ug/L	5000	5000	10	03/10/20	03/12/20 11:01	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Barium	309		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Calcium	163000		ug/L	800	800	10	03/10/20	03/12/20 11:01	VVD
Chromium	1.28		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Copper	41.1		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Iron	27.9	J	ug/L	100	5.00	1	03/10/20	03/11/20 12:46	VVD
Lead	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Magnesium	114000		ug/L	1000	1000	10	03/10/20	03/12/20 11:01	VVD
Manganese	4010		ug/L	10.0	10.0	10	03/10/20	03/12/20 11:01	VVD
Mercury	0.119		ug/L	0.100	0.100	1	03/10/20	03/11/20 12:46	VVD
Nickel	15.1		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Potassium	7410		ug/L	100	100	1	03/10/20	03/11/20 12:46	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Silver	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Sodium	83800		ug/L	100	100	1	03/10/20	03/11/20 12:46	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:46	VVD
Zinc	7.77		ug/L	4.00	4.00	1	03/10/20	03/11/20 12:46	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	36.5		mg/L	3.0	3.0	1	03/11/20	03/11/20 16:59	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-04

0030917-06 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.81		mg/L	0.10	0.05	1	03/16/20	03/16/20 11:54	FRD
Chloride	103		mg/L	12.5	12.5	25	03/13/20	03/13/20 00:57	SES
Conductivity	2000		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	1390		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.15		mg/L	0.20	0.10	1	03/10/20	03/10/20 21:25	BMG
Sulfate	19.4		mg/L	1.00	0.50	1	03/10/20	03/10/20 21:25	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	275		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-105

0030917-07 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.79		pH Units			1	03/10/20	03/10/20 13:44	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	266		NTU	5.00	1.10	10	03/10/20	03/10/20 17:06	KD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	5.1		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:10	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:10	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Benzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:10	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,4-Dichlorobenzene	1.2		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
cis-1,2-Dichloroethene	2.0		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-105

0030917-07 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:10	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:10	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 17:10	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:10	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:10	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:10	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	106 %	03/10/20		03/10/20 17:10		
Surrogate: Toluene-d8			88-110	99 %	03/10/20		03/10/20 17:10		
Surrogate: 4-Bromofluorobenzene			86-115	97 %	03/10/20		03/10/20 17:10		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-105

0030917-07 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	1090000		ug/L	5000	5000	10	03/10/20	03/12/20 11:03	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Arsenic	2.64		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Barium	570		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Calcium	139000		ug/L	800	800	10	03/10/20	03/12/20 11:03	VVD
Chromium	4.11		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Cobalt	7.55		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Copper	1.18		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Iron	22500		ug/L	100	5.00	1	03/10/20	03/11/20 12:49	VVD
Lead	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Magnesium	180000		ug/L	1000	1000	10	03/10/20	03/12/20 11:03	VVD
Manganese	2510		ug/L	10.0	10.0	10	03/10/20	03/12/20 11:03	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/10/20	03/11/20 12:49	VVD
Nickel	15.0		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Potassium	89900		ug/L	100	100	1	03/10/20	03/11/20 12:49	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Silver	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Sodium	360000		ug/L	1000	1000	10	03/10/20	03/12/20 11:03	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Vanadium	2.03		ug/L	1.00	1.00	1	03/10/20	03/11/20 12:49	VVD
Zinc	16.7		ug/L	4.00	4.00	1	03/10/20	03/11/20 12:49	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	137		mg/L	3.0	3.0	1	03/11/20	03/11/20 17:00	VVD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-105

0030917-07 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	55.4		mg/L	5.5	5.5	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	41.8		mg/L	2.00	1.00	20	03/16/20	03/16/20 14:19	FRD
Chloride	140		mg/L	12.5	12.5	25	03/13/20	03/13/20 01:51	SES
Conductivity	3130		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	1830		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.43		mg/L	0.20	0.10	1	03/10/20	03/10/20 21:42	BMG
Sulfate	114		mg/L	2.00	1.00	2	03/12/20	03/12/20 20:39	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	1260		mg/L	10.0	10.0	10	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030917-08 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:36	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:36	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Benzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:36	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0030917-08 (Nonpotable Water)
Sample Date: 03/09/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:36	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:36	GM
Isobutanol	ND		ug/L	100	100	1	03/10/20	03/10/20 17:36	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:36	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/10/20	03/10/20 17:36	GM
Styrene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Toluene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/10/20	03/10/20 17:36	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	104 %			03/10/20	03/10/20 17:36	
Surrogate: Toluene-d8			88-110	87 %			03/10/20	03/10/20 17:36	S-FAIL
Surrogate: 4-Bromofluorobenzene			86-115	97 %			03/10/20	03/10/20 17:36	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-015

0031027-01 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	7.61		pH Units			1	03/11/20	03/11/20 09:48	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.28		NTU	0.500	0.110	1	03/11/20	03/11/20 17:36	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:13	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:13	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:13	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-015

**0031027-01 (Nonpotable Water)
Sample Date: 03/10/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:13	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:13	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 20:13	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:13	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:13	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Trichloroethene	1.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:13	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	95 %			03/18/20	03/18/20 20:13	
Surrogate: Toluene-d8			88-110	95 %			03/18/20	03/18/20 20:13	
Surrogate: 4-Bromofluorobenzene			86-115	93 %			03/18/20	03/18/20 20:13	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-015

0031027-01 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	150000		ug/L	500	500	1	03/11/20	03/12/20 12:37	KD
Antimony	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Barium	84.7		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Calcium	28600		ug/L	80.0	80.0	1	03/11/20	03/12/20 12:37	KD
Chromium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Cobalt	1.11		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Copper	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Iron	364		ug/L	100	5.00	1	03/11/20	03/12/20 12:37	KD
Lead	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Magnesium	19100		ug/L	100	100	1	03/11/20	03/12/20 12:37	KD
Manganese	155		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Mercury	ND		ug/L	0.100	0.100	1	03/11/20	03/12/20 12:37	KD
Nickel	8.83		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Potassium	1930		ug/L	100	100	1	03/11/20	03/12/20 12:37	KD
Selenium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Silver	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Sodium	31200		ug/L	100	100	1	03/11/20	03/12/20 12:37	KD
Thallium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:37	KD
Zinc	17.9		ug/L	4.00	4.00	1	03/11/20	03/12/20 12:37	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	4.3		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:43	VVD



Cory Koons, Laboratory Manager

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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:
04/14/20 13:46

ST-015

0031027-01 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.7	2.7	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.10		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:02	FRD
Chloride	90.9		mg/L	5.0	5.0	10	03/13/20	03/13/20 02:09	SES
Conductivity	472		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	275		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.81		mg/L	0.20	0.10	1	03/12/20	03/12/20 03:20	SES
Sulfate	13.5		mg/L	1.00	0.50	1	03/11/20	03/12/20 03:20	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	65.6		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-70

0031027-02 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	7.72		pH Units			1	03/11/20	03/11/20 09:48	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	9.83		NTU	0.500	0.110	1	03/11/20	03/11/20 17:39	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:39	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:39	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:39	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-70

**0031027-02 (Nonpotable Water)
Sample Date: 03/10/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:39	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:39	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 20:39	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:39	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 20:39	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 20:39	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	98 %	03/18/20		03/18/20 20:39		
Surrogate: Toluene-d8			88-110	95 %	03/18/20		03/18/20 20:39		
Surrogate: 4-Bromofluorobenzene			86-115	91 %	03/18/20		03/18/20 20:39		



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

ST-70

**0031027-02 (Nonpotable Water)
Sample Date: 03/10/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	221000		ug/L	500	500	1	03/11/20	03/12/20 12:39	KD
Antimony	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Barium	88.0		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Calcium	52300		ug/L	80.0	80.0	1	03/11/20	03/12/20 12:39	KD
Chromium	43.6		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Cobalt	1.59		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Copper	1.37		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Iron	530		ug/L	100	5.00	1	03/11/20	03/12/20 12:39	KD
Lead	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Magnesium	22100		ug/L	100	100	1	03/11/20	03/12/20 12:39	KD
Manganese	336		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Mercury	ND		ug/L	0.100	0.100	1	03/11/20	03/12/20 12:39	KD
Nickel	6.47		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Potassium	14900		ug/L	100	100	1	03/11/20	03/12/20 12:39	KD
Selenium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Silver	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Sodium	48300		ug/L	100	100	1	03/11/20	03/12/20 12:39	KD
Thallium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:39	KD
Zinc	10.1		ug/L	4.00	4.00	1	03/11/20	03/12/20 12:39	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	18.8		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:44	VVD



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-70

0031027-02 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	11.7		mg/L	4.1	4.1	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.32		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:04	FRD
Chloride	124		mg/L	5.0	5.0	10	03/14/20	03/14/20 10:48	SES
Conductivity	728		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	425		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.65		mg/L	0.20	0.10	1	03/12/20	03/12/20 03:38	SES
Sulfate	53.2		mg/L	1.00	0.50	1	03/11/20	03/12/20 03:38	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	108		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

ST-80

0031027-03 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	8.05		pH Units			1	03/11/20	03/11/20 09:48	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.64		NTU	0.500	0.110	1	03/11/20	03/11/20 17:43	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 21:04	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 21:04	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 21:04	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-80

**0031027-03 (Nonpotable Water)
Sample Date: 03/10/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 21:04	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 21:04	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 21:04	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 21:04	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 21:04	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 21:04	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	96 %	03/18/20		03/18/20 21:04		
Surrogate: Toluene-d8			88-110	93 %	03/18/20		03/18/20 21:04		
Surrogate: 4-Bromofluorobenzene			86-115	91 %	03/18/20		03/18/20 21:04		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-80

**0031027-03 (Nonpotable Water)
Sample Date: 03/10/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	207000		ug/L	500	500	1	03/11/20	03/12/20 12:42	KD
Antimony	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Barium	73.8		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Calcium	43200		ug/L	80.0	80.0	1	03/11/20	03/12/20 12:42	KD
Chromium	3.27		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Cobalt	1.02		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Copper	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Iron	359		ug/L	100	5.00	1	03/11/20	03/12/20 12:42	KD
Lead	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Magnesium	24100		ug/L	100	100	1	03/11/20	03/12/20 12:42	KD
Manganese	249		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Mercury	ND		ug/L	0.100	0.100	1	03/11/20	03/12/20 12:42	KD
Nickel	4.83		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Potassium	6080		ug/L	100	100	1	03/11/20	03/12/20 12:42	KD
Selenium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Silver	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Sodium	50600		ug/L	100	100	1	03/11/20	03/12/20 12:42	KD
Thallium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:42	KD
Zinc	4.08		ug/L	4.00	4.00	1	03/11/20	03/12/20 12:42	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	9.0		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:45	VVD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

ST-80

0031027-03 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	2.9		mg/L	2.3	2.3	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.11		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:07	FRD
Chloride	135		mg/L	5.0	5.0	10	03/13/20	03/13/20 02:45	SES
Conductivity	680		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	378		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	1.50		mg/L	0.20	0.10	1	03/12/20	03/12/20 03:56	SES
Sulfate	22.6		mg/L	1.00	0.50	1	03/11/20	03/12/20 03:56	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	112		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-16A

0031027-04 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.49		pH Units			1	03/11/20	03/11/20 09:48	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	28.7		NTU	0.500	0.110	1	03/11/20	03/11/20 17:45	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:15	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:15	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:15	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Chlorobenzene	6.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,4-Dichlorobenzene	2.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-16A

0031027-04 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:15	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:15	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 14:15	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:15	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:15	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:15	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	95 %	03/18/20		03/18/20 14:15		
Surrogate: Toluene-d8			88-110	92 %	03/18/20		03/18/20 14:15		
Surrogate: 4-Bromofluorobenzene			86-115	99 %	03/18/20		03/18/20 14:15		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-16A

0031027-04 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	186000		ug/L	500	500	1	03/11/20	03/12/20 12:44	KD
Antimony	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Arsenic	3.06		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Barium	309		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Calcium	20700		ug/L	80.0	80.0	1	03/11/20	03/12/20 12:44	KD
Chromium	7.55		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Cobalt	7.11		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Copper	2.42		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Iron	10500		ug/L	100	5.00	1	03/11/20	03/12/20 12:44	KD
Lead	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Magnesium	32600		ug/L	100	100	1	03/11/20	03/12/20 12:44	KD
Manganese	10700		ug/L	20.0	20.0	20	03/11/20	03/12/20 13:20	KD
Mercury	ND		ug/L	0.100	0.100	1	03/11/20	03/12/20 12:44	KD
Nickel	10.4		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Potassium	3980		ug/L	100	100	1	03/11/20	03/12/20 12:44	KD
Selenium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Silver	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Sodium	85900		ug/L	100	100	1	03/11/20	03/12/20 12:44	KD
Thallium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:44	KD
Zinc	8.40		ug/L	4.00	4.00	1	03/11/20	03/12/20 12:44	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	29.6		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:45	VVD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-16A

0031027-04 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	21.6		mg/L	2.3	2.3	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.18		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:09	FRD
Chloride	73.0		mg/L	5.0	5.0	1	03/13/20	03/13/20 03:02	SES
Conductivity	731		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	431		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	3.81		mg/L	0.20	0.10	1	03/12/20	03/12/20 04:14	SES
Sulfate	20.5		mg/L	1.00	0.50	1	03/11/20	03/12/20 04:14	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	240		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-16B

0031027-05 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.20		pH Units			1	03/11/20	03/11/20 09:48	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	5.98		NTU	0.500	0.110	1	03/11/20	03/11/20 17:47	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:41	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:41	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:41	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Chlorobenzene	11.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,4-Dichlorobenzene	5.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
cis-1,2-Dichloroethene	1.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-16B

0031027-05 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:41	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:41	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 14:41	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:41	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 14:41	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 14:41	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	96 %	03/18/20		03/18/20 14:41		
Surrogate: Toluene-d8			88-110	95 %	03/18/20		03/18/20 14:41		
Surrogate: 4-Bromofluorobenzene			86-115	94 %	03/18/20		03/18/20 14:41		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-16B

0031027-05 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	436000		ug/L	10000	10000	20	03/11/20	03/12/20 13:23	KD
Antimony	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Arsenic	1.43		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Barium	29.9		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Calcium	63000		ug/L	1600	1600	20	03/11/20	03/12/20 13:23	KD
Chromium	4.86		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Cobalt	8.85		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Copper	3.07		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Iron	1320		ug/L	100	5.00	1	03/11/20	03/12/20 12:47	KD
Lead	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Magnesium	67600		ug/L	2000	2000	20	03/11/20	03/12/20 13:23	KD
Manganese	12300		ug/L	20.0	20.0	20	03/11/20	03/12/20 13:23	KD
Mercury	ND		ug/L	0.100	0.100	1	03/11/20	03/12/20 12:47	KD
Nickel	15.0		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Potassium	4180		ug/L	100	100	1	03/11/20	03/12/20 12:47	KD
Selenium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Silver	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Sodium	49400		ug/L	100	100	1	03/11/20	03/12/20 12:47	KD
Thallium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:47	KD
Zinc	7.27		ug/L	4.00	4.00	1	03/11/20	03/12/20 12:47	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	39.6		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:46	VVD



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

Cory Koons, Laboratory Manager

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:
04/14/20 13:46

MW-16B

0031027-05 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	2.6		mg/L	2.4	2.4	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:11	FRD
Chloride	126		mg/L	12.5	12.5	25	03/13/20	03/13/20 03:56	SES
Conductivity	1110		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	650		mg/L	5.0	5.0	1	03/13/20	03/13/20 15:23	FRD
Nitrate (as N)	0.48		mg/L	0.20	0.10	1	03/12/20	03/12/20 04:32	SES
Sulfate	3.94		mg/L	1.00	0.50	1	03/11/20	03/12/20 04:32	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	159		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-8

0031027-06 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.99		pH Units			1	03/11/20	03/11/20 09:48	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.93		NTU	0.500	0.110	1	03/11/20	03/11/20 17:49	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:07	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:07	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:07	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-8

0031027-06 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:07	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:07	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 15:07	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:07	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:07	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:07	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	94 %	03/18/20		03/18/20 15:07		
Surrogate: Toluene-d8			88-110	93 %	03/18/20		03/18/20 15:07		
Surrogate: 4-Bromofluorobenzene			86-115	92 %	03/18/20		03/18/20 15:07		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-8

**0031027-06 (Nonpotable Water)
Sample Date: 03/10/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	526000		ug/L	2500	2500	5	03/11/20	03/12/20 13:26	KD
Antimony	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Barium	100		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Calcium	88900		ug/L	400	400	5	03/11/20	03/12/20 13:26	KD
Chromium	3.59		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Copper	1.22		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Iron	147		ug/L	100	5.00	1	03/11/20	03/12/20 12:49	KD
Lead	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Magnesium	73800		ug/L	500	500	5	03/11/20	03/12/20 13:26	KD
Manganese	5.43		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Mercury	ND		ug/L	0.100	0.100	1	03/11/20	03/12/20 12:49	KD
Nickel	4.39		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Potassium	11800		ug/L	100	100	1	03/11/20	03/12/20 12:49	KD
Selenium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Silver	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Sodium	82200		ug/L	100	100	1	03/11/20	03/12/20 12:49	KD
Thallium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:49	KD
Zinc	ND		ug/L	4.00	4.00	1	03/11/20	03/12/20 12:49	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	16.9		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:47	VVD



Cory Koons, Laboratory Manager

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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:
04/14/20 13:46

MW-8

0031027-06 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	11.6		mg/L	2.3	2.3	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:13	FRD
Chloride	88.7		mg/L	5.0	5.0	10	03/13/20	03/13/20 04:14	SES
Conductivity	1250		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	762		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	14.1		mg/L	0.20	0.10	1	03/12/20	03/12/20 04:49	SES
Sulfate	59.6		mg/L	1.00	0.50	1	03/11/20	03/12/20 04:49	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	423		mg/L	2.0	2.0	2	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03

0031027-07 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.03		pH Units			1	03/11/20	03/11/20 09:48	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	18.3		NTU	0.500	0.110	1	03/11/20	03/11/20 17:51	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:32	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:32	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Benzene	1.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:32	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Chlorobenzene	2.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,2-Dichlorobenzene	1.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,4-Dichlorobenzene	11.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,1-Dichloroethane	14.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,2-Dichloroethane	1.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
cis-1,2-Dichloroethene	49.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
trans-1,2-Dichloroethene	3.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,2-Dichloropropane	3.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03

**0031027-07 (Nonpotable Water)
Sample Date: 03/10/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:32	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:32	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 15:32	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Methyl tert-butyl ether (MTBE)	1.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:32	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:32	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Trichloroethene	3.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
Vinyl chloride	8.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:32	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>				<i>80-120</i>	<i>94 %</i>		<i>03/18/20</i>	<i>03/18/20 15:32</i>	
<i>Surrogate: Toluene-d8</i>				<i>88-110</i>	<i>95 %</i>		<i>03/18/20</i>	<i>03/18/20 15:32</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>				<i>86-115</i>	<i>101 %</i>		<i>03/18/20</i>	<i>03/18/20 15:32</i>	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03

0031027-07 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	383000		ug/L	25000	25000	50	03/11/20	03/12/20 13:28	KD
Antimony	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Arsenic	2.20		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Barium	454		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Calcium	70400		ug/L	4000	4000	50	03/11/20	03/12/20 13:28	KD
Chromium	1.40		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Cobalt	48.0		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Copper	1.60		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Iron	21800		ug/L	100	5.00	1	03/11/20	03/12/20 12:52	KD
Lead	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Magnesium	50300		ug/L	5000	5000	50	03/11/20	03/12/20 13:28	KD
Manganese	21300		ug/L	50.0	50.0	50	03/11/20	03/12/20 13:28	KD
Mercury	ND		ug/L	0.100	0.100	1	03/11/20	03/12/20 12:52	KD
Nickel	14.7		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Potassium	8730		ug/L	100	100	1	03/11/20	03/12/20 12:52	KD
Selenium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Silver	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Sodium	56300		ug/L	100	100	1	03/11/20	03/12/20 12:52	KD
Thallium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/11/20	03/12/20 12:52	KD
Zinc	9.06		ug/L	4.00	4.00	1	03/11/20	03/12/20 12:52	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	19.5		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:47	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03

0031027-07 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	5.1		mg/L	2.3	2.3	1	03/12/20	03/13/20 10:46	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	1.96		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:15	FRD
Chloride	210		mg/L	5.0	5.0	10	03/14/20	03/14/20 11:06	SES
Conductivity	1150		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	621		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/12/20	03/12/20 05:07	SES
Sulfate	27.2		mg/L	1.00	0.50	1	03/11/20	03/12/20 05:07	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	238		mg/L	2.0	2.0	2	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031027-08 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:58	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:58	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:58	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031027-08 (Nonpotable Water)
Sample Date: 03/10/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:58	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:58	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 15:58	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:58	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 15:58	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 15:58	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	97 %			03/18/20	03/18/20 15:58	
Surrogate: Toluene-d8			88-110	94 %			03/18/20	03/18/20 15:58	
Surrogate: 4-Bromofluorobenzene			86-115	91 %			03/18/20	03/18/20 15:58	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03A

0031112-01 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.60		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	39.0		NTU	0.500	0.110	1	03/12/20	03/12/20 12:17	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:23	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:23	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:23	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Chlorobenzene	1.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,4-Dichlorobenzene	1.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,1-Dichloroethane	2.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
cis-1,2-Dichloroethene	6.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03A

0031112-01 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:23	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:23	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 16:23	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:23	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:23	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Vinyl chloride	1.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:23	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	96 %	03/18/20		03/18/20 16:23		
Surrogate: Toluene-d8			88-110	94 %	03/18/20		03/18/20 16:23		
Surrogate: 4-Bromofluorobenzene			86-115	92 %	03/18/20		03/18/20 16:23		



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03A

**0031112-01 (Nonpotable Water)
Sample Date: 03/11/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	511000		ug/L	500	500	1	03/12/20	03/13/20 12:33	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Arsenic	2.28		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Barium	145		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Calcium	98700		ug/L	80.0	80.0	1	03/12/20	03/13/20 12:33	KD
Chromium	1.22		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Cobalt	20.2		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Copper	1.23		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Iron	10500		ug/L	100	5.00	1	03/12/20	03/13/20 12:33	KD
Lead	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Magnesium	64200		ug/L	100	100	1	03/12/20	03/13/20 12:33	KD
Manganese	6080		ug/L	10.0	10.0	10	03/12/20	03/13/20 13:11	KD
Mercury	ND		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:33	KD
Nickel	6.58		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Potassium	16900		ug/L	100	100	1	03/12/20	03/13/20 12:33	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Sodium	71000		ug/L	100	100	1	03/12/20	03/13/20 12:33	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:33	KD
Zinc	ND		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:33	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	16.8		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:48	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-03A

0031112-01 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	11.1		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	2.41		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:17	FRD
Chloride	109		mg/L	5.0	5.0	1	03/14/20	03/14/20 11:24	SES
Conductivity	1310		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	795		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	2.31		mg/L	0.20	0.10	1	03/12/20	03/12/20 14:24	SES
Sulfate	114		mg/L	10.0	5.00	1	03/14/20	03/14/20 11:24	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	435		mg/L	2.0	2.0	2	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11

0031112-02 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.86		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.20		NTU	0.500	0.110	1	03/12/20	03/12/20 12:21	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:49	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:49	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Benzene	2.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:49	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Chlorobenzene	22.3		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,2-Dichlorobenzene	2.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,4-Dichlorobenzene	17.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,1-Dichloroethane	9.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,2-Dichloroethane	1.9		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
cis-1,2-Dichloroethene	76.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
trans-1,2-Dichloroethene	2.7		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,2-Dichloropropane	3.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11

0031112-02 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:49	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:49	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 16:49	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Methyl tert-butyl ether (MTBE)	1.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:49	GM
Methylene chloride	4.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 16:49	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Tetrachloroethene	9.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Trichloroethene	9.9		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Vinyl chloride	11.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 16:49	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	93 %	03/18/20		03/18/20 16:49		
Surrogate: Toluene-d8			88-110	93 %	03/18/20		03/18/20 16:49		
Surrogate: 4-Bromofluorobenzene			86-115	100 %	03/18/20		03/18/20 16:49		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11

0031112-02 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	780000		ug/L	2500	2500	5	03/12/20	03/13/20 13:13	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Barium	29.7		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Cadmium	12.6		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Calcium	145000		ug/L	400	400	5	03/12/20	03/13/20 13:13	KD
Chromium	1.86		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Cobalt	1.88		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Copper	10.6		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Iron	103		ug/L	100	5.00	1	03/12/20	03/13/20 12:35	KD
Lead	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Magnesium	102000		ug/L	500	500	5	03/12/20	03/13/20 13:13	KD
Manganese	1630		ug/L	5.00	5.00	5	03/12/20	03/13/20 13:13	KD
Mercury	3.93		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:35	KD
Nickel	34.6		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Potassium	5610		ug/L	100	100	1	03/12/20	03/13/20 12:35	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Sodium	99700		ug/L	100	100	1	03/12/20	03/13/20 12:35	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:35	KD
Zinc	45.0		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:35	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	36.4		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:48	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11

0031112-02 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	4.0		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:20	FRD
Chloride	438		mg/L	12.5	12.5	25	03/14/20	03/14/20 12:17	SES
Conductivity	1840		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	1090		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/12/20	03/12/20 14:42	SES
Sulfate	12.4		mg/L	1.00	0.50	1	03/12/20	03/12/20 14:42	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	256		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-50

0031112-03 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.86		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.32		NTU	0.500	0.110	1	03/12/20	03/12/20 12:25	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:14	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:14	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Benzene	2.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:14	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Chlorobenzene	23.7		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,2-Dichlorobenzene	2.9		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,4-Dichlorobenzene	17.9		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,1-Dichloroethane	10.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,2-Dichloroethane	1.9		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
cis-1,2-Dichloroethene	77.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
trans-1,2-Dichloroethene	3.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,2-Dichloropropane	3.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-50

**0031112-03 (Nonpotable Water)
Sample Date: 03/11/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:14	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:14	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 17:14	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Methyl tert-butyl ether (MTBE)	1.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:14	GM
Methylene chloride	4.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:14	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Tetrachloroethene	10.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Trichloroethene	9.9		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Trichlorofluoromethane (Freon 11)	1.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
Vinyl chloride	12.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:14	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>			80-120	95 %			03/18/20	03/18/20 17:14	
<i>Surrogate: Toluene-d8</i>			88-110	92 %			03/18/20	03/18/20 17:14	
<i>Surrogate: 4-Bromofluorobenzene</i>			86-115	89 %			03/18/20	03/18/20 17:14	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-50

0031112-03 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	721000		ug/L	2500	2500	5	03/12/20	03/13/20 13:16	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Barium	29.5		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Cadmium	13.1		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Calcium	134000		ug/L	400	400	5	03/12/20	03/13/20 13:16	KD
Chromium	1.66		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Cobalt	1.92		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Copper	10.2		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Iron	95.0	J	ug/L	100	5.00	1	03/12/20	03/13/20 12:38	KD
Lead	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Magnesium	93600		ug/L	500	500	5	03/12/20	03/13/20 13:16	KD
Manganese	1560		ug/L	5.00	5.00	5	03/12/20	03/13/20 13:16	KD
Mercury	3.40		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:38	KD
Nickel	34.3		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Potassium	5450		ug/L	100	100	1	03/12/20	03/13/20 12:38	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Sodium	111000		ug/L	500	500	5	03/12/20	03/13/20 13:16	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:38	KD
Zinc	44.9		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:38	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	33.0		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:48	VVD



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-50

0031112-03 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	3.6		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.16		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:26	FRD
Chloride	442		mg/L	12.5	12.5	25	03/14/20	03/14/20 12:35	SES
Conductivity	1850		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	1160		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/12/20	03/12/20 15:35	SES
Sulfate	12.4		mg/L	1.00	0.50	1	03/12/20	03/12/20 15:35	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	259		mg/L	1.0	1.0	1	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11A

0031112-04 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.99		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.72		NTU	0.500	0.110	1	03/12/20	03/12/20 12:28	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:40	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:40	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Benzene	1.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:40	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Chlorobenzene	22.7		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,2-Dichlorobenzene	2.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,4-Dichlorobenzene	18.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,1-Dichloroethane	10.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,2-Dichloroethane	1.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
cis-1,2-Dichloroethene	56.7		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
trans-1,2-Dichloroethene	2.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,2-Dichloropropane	3.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11A

0031112-04 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:40	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:40	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 17:40	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Methyl tert-butyl ether (MTBE)	1.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:40	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 17:40	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Tetrachloroethene	2.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Trichloroethene	9.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Vinyl chloride	14.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 17:40	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	92 %			03/18/20	03/18/20 17:40	
Surrogate: Toluene-d8			88-110	92 %			03/18/20	03/18/20 17:40	
Surrogate: 4-Bromofluorobenzene			86-115	93 %			03/18/20	03/18/20 17:40	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11A

0031112-04 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	687000		ug/L	10000	10000	20	03/12/20	03/13/20 13:19	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Barium	207		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Cadmium	1.18		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Calcium	113000		ug/L	1600	1600	20	03/12/20	03/13/20 13:19	KD
Chromium	1.05		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Cobalt	36.3		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Copper	5.33		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Iron	1630		ug/L	100	5.00	1	03/12/20	03/13/20 12:40	KD
Lead	1.06		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Magnesium	98300		ug/L	2000	2000	20	03/12/20	03/13/20 13:19	KD
Manganese	14700		ug/L	20.0	20.0	20	03/12/20	03/13/20 13:19	KD
Mercury	0.328		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:40	KD
Nickel	31.0		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Potassium	5950		ug/L	100	100	1	03/12/20	03/13/20 12:40	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Sodium	139000		ug/L	2000	2000	20	03/12/20	03/13/20 13:19	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:40	KD
Zinc	21.9		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:40	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	32.6		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:49	VVD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-11A

0031112-04 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	3.1		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.47		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:28	FRD
Chloride	394		mg/L	12.5	12.5	25	03/14/20	03/14/20 12:53	SES
Conductivity	1850		us/Cm	1.00	1.00	1	03/16/20	03/16/20 12:30	FRD
Dissolved Solids	1040		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/12/20	03/12/20 15:53	SES
Sulfate	10.7		mg/L	1.00	0.50	1	03/12/20	03/12/20 15:53	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	345		mg/L	2.0	2.0	2	03/16/20	03/16/20 12:30	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21A

0031112-05 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.28		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	11.4		NTU	0.500	0.110	1	03/12/20	03/12/20 12:31	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:05	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:05	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:05	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,4-Dichlorobenzene	1.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,1-Dichloroethane	1.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
cis-1,2-Dichloroethene	5.4		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21A

0031112-05 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:05	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:05	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 18:05	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:05	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:05	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Tetrachloroethene	1.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Trichloroethene	3.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:05	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	97 %			03/18/20	03/18/20 18:05	
Surrogate: Toluene-d8			88-110	95 %			03/18/20	03/18/20 18:05	
Surrogate: 4-Bromofluorobenzene			86-115	94 %			03/18/20	03/18/20 18:05	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21A

0031112-05 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	289000		ug/L	500	500	1	03/12/20	03/13/20 12:43	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Barium	213		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Calcium	50700		ug/L	80.0	80.0	1	03/12/20	03/13/20 12:43	KD
Chromium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Cobalt	67.0		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Copper	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Iron	6290		ug/L	100	5.00	1	03/12/20	03/13/20 12:43	KD
Lead	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Magnesium	39600		ug/L	100	100	1	03/12/20	03/13/20 12:43	KD
Manganese	9830		ug/L	10.0	10.0	10	03/12/20	03/13/20 13:21	KD
Mercury	ND		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:43	KD
Nickel	12.4		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Potassium	13700		ug/L	100	100	1	03/12/20	03/13/20 12:43	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Sodium	50000		ug/L	100	100	1	03/12/20	03/13/20 12:43	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:43	KD
Zinc	11.6		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:43	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	19.1		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:49	VVD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21A

0031112-05 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	12.7		mg/L	2.5	2.5	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	4.99		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:30	FRD
Chloride	56.9		mg/L	5.0	5.0	1	03/14/20	03/14/20 13:47	SES
Conductivity	832		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	523		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	1.36		mg/L	0.20	0.10	1	03/12/20	03/12/20 16:11	SES
Sulfate	174		mg/L	10.0	5.00	1	03/14/20	03/14/20 13:47	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	81.9		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21B

0031112-06 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.60		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	141		NTU	2.50	0.550	5	03/12/20	03/12/20 12:41	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:31	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:31	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:31	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,1-Dichloroethane	5.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
cis-1,2-Dichloroethene	12.7		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21B

0031112-06 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	1.3		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:31	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:31	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 18:31	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:31	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:31	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Tetrachloroethene	2.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Trichloroethene	9.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Vinyl chloride	1.2		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:31	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	96 %	03/18/20		03/18/20 18:31		
Surrogate: Toluene-d8			88-110	94 %	03/18/20		03/18/20 18:31		
Surrogate: 4-Bromofluorobenzene			86-115	91 %	03/18/20		03/18/20 18:31		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21B

0031112-06 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	271000		ug/L	500	500	1	03/12/20	03/13/20 12:45	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Arsenic	1.20		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Barium	78.9		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Calcium	68400		ug/L	80.0	80.0	1	03/12/20	03/13/20 12:45	KD
Chromium	4.18		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Cobalt	32.5		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Copper	5.12		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Iron	19400		ug/L	100	5.00	1	03/12/20	03/13/20 12:45	KD
Lead	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Magnesium	24400		ug/L	100	100	1	03/12/20	03/13/20 12:45	KD
Manganese	4320		ug/L	5.00	5.00	5	03/12/20	03/13/20 13:24	KD
Mercury	ND		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:45	KD
Nickel	16.8		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Potassium	11600		ug/L	100	100	1	03/12/20	03/13/20 12:45	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Sodium	42500		ug/L	100	100	1	03/12/20	03/13/20 12:45	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:45	KD
Zinc	7.94		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:45	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	14.7		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:50	VVD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-21B

0031112-06 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	36.8		mg/L	3.6	3.6	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.27		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:33	FRD
Chloride	134		mg/L	5.0	5.0	10	03/14/20	03/14/20 14:40	SES
Conductivity	811		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	482		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/12/20	03/12/20 16:29	SES
Sulfate	22.0		mg/L	1.00	0.50	1	03/12/20	03/12/20 16:29	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	101		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-12

0031112-07 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.84		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	0.973		NTU	0.500	0.110	1	03/12/20	03/12/20 12:45	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:56	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:56	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Benzene	3.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:56	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Chlorobenzene	3.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,4-Dichlorobenzene	9.3		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,1-Dichloroethane	15.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,2-Dichloroethane	1.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
cis-1,2-Dichloroethene	34.3		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
trans-1,2-Dichloroethene	3.0		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,2-Dichloropropane	8.4		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-12

0031112-07 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:56	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:56	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 18:56	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Methyl tert-butyl ether (MTBE)	1.1		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:56	GM
Methylene chloride	3.6		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 18:56	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Tetrachloroethene	14.8		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Trichloroethene	14.9		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Trichlorofluoromethane (Freon 11)	1.5		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
Vinyl chloride	8.4		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 18:56	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>			80-120	93 %			03/18/20	03/18/20 18:56	
<i>Surrogate: Toluene-d8</i>			88-110	93 %			03/18/20	03/18/20 18:56	
<i>Surrogate: 4-Bromofluorobenzene</i>			86-115	93 %			03/18/20	03/18/20 18:56	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-12

0031112-07 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	214000		ug/L	500	500	1	03/12/20	03/13/20 12:48	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Barium	20.2		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Calcium	37600		ug/L	80.0	80.0	1	03/12/20	03/13/20 12:48	KD
Chromium	1.23		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Copper	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Iron	93.5	J	ug/L	100	5.00	1	03/12/20	03/13/20 12:48	KD
Lead	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Magnesium	29100		ug/L	100	100	1	03/12/20	03/13/20 12:48	KD
Manganese	138		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Mercury	ND		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:48	KD
Nickel	7.93		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Potassium	5680		ug/L	100	100	1	03/12/20	03/13/20 12:48	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Sodium	30700		ug/L	100	100	1	03/12/20	03/13/20 12:48	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:48	KD
Zinc	ND		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:48	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	14.2		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:50	VVD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-12

0031112-07 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:39	FRD
Chloride	81.5		mg/L	5.0	5.0	10	03/14/20	03/14/20 14:58	SES
Conductivity	571		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	324		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	0.40		mg/L	0.20	0.10	1	03/12/20	03/12/20 16:47	SES
Sulfate	19.9		mg/L	1.00	0.50	1	03/12/20	03/12/20 16:47	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	138		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-015

0031112-08 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.18		pH Units			1	03/11/20	03/11/20 20:20	RH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.66		NTU	0.500	0.110	1	03/12/20	03/12/20 12:49	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:22	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:22	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:22	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-015

0031112-08 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:22	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:22	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 19:22	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:22	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:22	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:22	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	98 %	03/18/20		03/18/20 19:22		
Surrogate: Toluene-d8			88-110	92 %	03/18/20		03/18/20 19:22		
Surrogate: 4-Bromofluorobenzene			86-115	89 %	03/18/20		03/18/20 19:22		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-015

0031112-08 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	92800		ug/L	500	500	1	03/12/20	03/13/20 12:50	KD
Antimony	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Barium	58.3		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Calcium	9120		ug/L	80.0	80.0	1	03/12/20	03/13/20 12:50	KD
Chromium	1.08		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Copper	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Iron	779		ug/L	100	5.00	1	03/12/20	03/13/20 12:50	KD
Lead	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Magnesium	17000		ug/L	100	100	1	03/12/20	03/13/20 12:50	KD
Manganese	448		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Mercury	ND		ug/L	0.100	0.100	1	03/12/20	03/13/20 12:50	KD
Nickel	10.1		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Potassium	1780		ug/L	100	100	1	03/12/20	03/13/20 12:50	KD
Selenium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Silver	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Sodium	39900		ug/L	100	100	1	03/12/20	03/13/20 12:50	KD
Thallium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/12/20	03/13/20 12:50	KD
Zinc	20.3		ug/L	4.00	4.00	1	03/12/20	03/13/20 12:50	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/13/20	03/13/20 14:51	VVD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-015

0031112-08 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:46	FRD
Chloride	9.8		mg/L	0.5	0.5	1	03/12/20	03/12/20 17:05	SES
Conductivity	331		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	151		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	1.27		mg/L	0.20	0.10	1	03/12/20	03/12/20 17:05	SES
Sulfate	57.9		mg/L	1.00	0.50	1	03/12/20	03/12/20 17:05	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	94.8		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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0031112-09 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:47	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:47	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Benzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:47	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031112-09 (Nonpotable Water)
Sample Date: 03/11/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:47	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:47	GM
Isobutanol	ND		ug/L	100	100	1	03/18/20	03/18/20 19:47	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:47	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/18/20	03/18/20 19:47	GM
Styrene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Toluene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/18/20	03/18/20 19:47	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	102 %			03/18/20	03/18/20 19:47	
Surrogate: Toluene-d8			88-110	96 %			03/18/20	03/18/20 19:47	
Surrogate: 4-Bromofluorobenzene			86-115	92 %			03/18/20	03/18/20 19:47	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19A

0031224-01 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.97		pH Units			1	03/13/20	03/13/20 10:20	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.50		NTU	0.500	0.110	1	03/13/20	03/13/20 16:03	VVD
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	268000		ug/L	500	500	1	03/16/20	03/17/20 12:24	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Barium	107		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Calcium	44600	QB-01, B	ug/L	80.0	80.0	1	03/16/20	03/17/20 12:24	KD
Chromium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Cobalt	5.37		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Copper	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Iron	275		ug/L	100	5.00	1	03/16/20	03/17/20 12:24	KD
Lead	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Magnesium	38100		ug/L	100	100	1	03/16/20	03/17/20 12:24	KD
Manganese	1610		ug/L	5.00	5.00	5	03/16/20	03/17/20 14:15	KD
Mercury	0.743		ug/L	0.100	0.100	1	03/16/20	03/17/20 12:24	KD
Nickel	7.00		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Potassium	3710		ug/L	100	100	1	03/16/20	03/17/20 12:24	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Sodium	80000		ug/L	100	100	1	03/16/20	03/17/20 12:24	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:24	KD
Zinc	27.2		ug/L	4.00	4.00	1	03/16/20	03/17/20 12:24	KD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19A

0031224-01 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:40	KD
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	47.9		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.10		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:52	FRD
Chloride	257		mg/L	12.5	12.5	25	03/14/20	03/14/20 17:21	SES
Conductivity	990		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	643		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	2.13		mg/L	0.20	0.10	1	03/13/20	03/13/20 15:47	SES
Sulfate	14.0		mg/L	1.00	0.50	1	03/13/20	03/13/20 11:33	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	58.4		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19A

0031224-01RE1 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:22	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:22	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:22	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,1-Dichloroethane	2.6		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
cis-1,2-Dichloroethene	6.5		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19A

**0031224-01RE1 (Nonpotable Water)
Sample Date: 03/12/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:22	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:22	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 10:22	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:22	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:22	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Tetrachloroethene	1.6		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Trichloroethene	2.3		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:22	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	107 %			03/21/20	03/21/20 10:22	
Surrogate: Toluene-d8			88-110	100 %			03/21/20	03/21/20 10:22	
Surrogate: 4-Bromofluorobenzene			86-115	98 %			03/21/20	03/21/20 10:22	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19B

0031224-02 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.10		pH Units			1	03/13/20	03/13/20 10:20	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.28		NTU	0.500	0.110	1	03/13/20	03/13/20 16:08	VVD
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	302000		ug/L	500	500	1	03/16/20	03/17/20 12:26	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Barium	33.4		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Calcium	65700	QB-01, B	ug/L	80.0	80.0	1	03/16/20	03/17/20 12:26	KD
Chromium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Copper	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Iron	103		ug/L	100	5.00	1	03/16/20	03/17/20 12:26	KD
Lead	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Magnesium	33600		ug/L	100	100	1	03/16/20	03/17/20 12:26	KD
Manganese	30.3		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Mercury	0.224		ug/L	0.100	0.100	1	03/16/20	03/17/20 12:26	KD
Nickel	3.19		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Potassium	2440		ug/L	100	100	1	03/16/20	03/17/20 12:26	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Sodium	23300		ug/L	100	100	1	03/16/20	03/17/20 12:26	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:26	KD
Zinc	ND		ug/L	4.00	4.00	1	03/16/20	03/17/20 12:26	KD



Cory Koons, Laboratory Manager

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Baltimore MD 21227
410-247-7600
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19B

0031224-02 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	7.8		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:40	KD
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.2		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:54	FRD
Chloride	178		mg/L	5.0	5.0	10	03/14/20	03/14/20 17:39	SES
Conductivity	788		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	575		mg/L	5.0	5.0	1	03/16/20	03/16/20 17:00	FRD
Nitrate (as N)	1.50		mg/L	0.20	0.10	1	03/13/20	03/13/20 12:27	SES
Sulfate	10.2		mg/L	1.00	0.50	1	03/13/20	03/13/20 12:27	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	105		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19B

0031224-02RE1 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:45	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:45	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:45	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Chlorobenzene	1.0		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,4-Dichlorobenzene	1.1		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,1-Dichloroethane	4.7		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
cis-1,2-Dichloroethene	15.2		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-19B

**0031224-02RE1 (Nonpotable Water)
Sample Date: 03/12/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:45	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:45	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 10:45	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:45	GM
Methylene chloride	1.1		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 10:45	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Tetrachloroethene	2.1		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Trichloroethene	4.3		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 10:45	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %			03/21/20	03/21/20 10:45	
Surrogate: Toluene-d8			88-110	105 %			03/21/20	03/21/20 10:45	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/21/20	03/21/20 10:45	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-6

0031224-03 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.07		pH Units			1	03/13/20	03/13/20 10:20	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	45.7		NTU	2.50	0.550	5	03/13/20	03/13/20 16:17	VVD
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	484000		ug/L	500	500	1	03/16/20	03/17/20 12:29	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Barium	358		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Calcium	76500	QB-01, B	ug/L	80.0	80.0	1	03/16/20	03/17/20 12:29	KD
Chromium	1.76		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Cobalt	734		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Copper	4.96		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Iron	14100		ug/L	100	5.00	1	03/16/20	03/17/20 12:29	KD
Lead	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Magnesium	71200		ug/L	100	100	1	03/16/20	03/17/20 12:29	KD
Manganese	52400		ug/L	100	100	100	03/16/20	03/17/20 14:18	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 12:29	KD
Nickel	80.8		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Potassium	4330		ug/L	100	100	1	03/16/20	03/17/20 12:29	KD
Selenium	5.47		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Sodium	167000		ug/L	10000	10000	100	03/16/20	03/17/20 14:18	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:29	KD
Zinc	38.5		ug/L	4.00	4.00	1	03/16/20	03/17/20 12:29	KD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-6

0031224-03 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	12.7		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:41	KD
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	23.4		mg/L	2.4	2.4	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.38		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:56	FRD
Chloride	455		mg/L	12.5	12.5	25	03/14/20	03/14/20 17:57	SES
Conductivity	1840		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	1180		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	0.23		mg/L	0.20	0.10	1	03/13/20	03/13/20 12:44	SES
Sulfate	39.8		mg/L	1.00	0.50	1	03/13/20	03/13/20 12:44	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	130		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-6

**0031224-03RE1 (Nonpotable Water)
Sample Date: 03/12/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:08	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:08	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:08	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Chlorobenzene	9.2		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,4-Dichlorobenzene	4.6		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
cis-1,2-Dichloroethene	4.9		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-6

**0031224-03RE1 (Nonpotable Water)
Sample Date: 03/12/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:08	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:08	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 11:08	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:08	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:08	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:08	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	100 %			03/21/20	03/21/20 11:08	
Surrogate: Toluene-d8			88-110	105 %			03/21/20	03/21/20 11:08	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/21/20	03/21/20 11:08	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-01

0031224-04 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.84		pH Units			1	03/13/20	03/13/20 10:20	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/13/20	03/13/20 16:20	VVD
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	648000		ug/L	2500	2500	5	03/16/20	03/17/20 14:21	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Barium	355		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Calcium	119000	QB-01, B	ug/L	400	400	5	03/16/20	03/17/20 14:21	KD
Chromium	1.60		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Cobalt	7.69		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Copper	1.43		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Iron	25.8	J	ug/L	100	5.00	1	03/16/20	03/17/20 12:31	KD
Lead	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Magnesium	84900		ug/L	500	500	5	03/16/20	03/17/20 14:21	KD
Manganese	4550		ug/L	5.00	5.00	5	03/16/20	03/17/20 14:21	KD
Mercury	0.133		ug/L	0.100	0.100	1	03/16/20	03/17/20 12:31	KD
Nickel	26.9		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Potassium	5480		ug/L	100	100	1	03/16/20	03/17/20 12:31	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Sodium	187000		ug/L	500	500	5	03/16/20	03/17/20 14:21	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:31	KD
Zinc	11.2		ug/L	4.00	4.00	1	03/16/20	03/17/20 12:31	KD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-01

0031224-04 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	9.4		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:41	KD
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 12:59	FRD
Chloride	618		mg/L	25.0	25.0	50	03/14/20	03/14/20 18:15	SES
Conductivity	2210		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	1650		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	2.39		mg/L	0.20	0.10	1	03/13/20	03/13/20 13:02	SES
Sulfate	34.4		mg/L	1.00	0.50	1	03/13/20	03/13/20 13:02	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	86.1		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-01

**0031224-04RE1 (Nonpotable Water)
Sample Date: 03/12/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:31	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:31	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:31	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-01

**0031224-04RE1 (Nonpotable Water)
Sample Date: 03/12/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:31	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:31	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 11:31	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:31	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:31	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:31	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	105 %			03/21/20	03/21/20 11:31	
Surrogate: Toluene-d8			88-110	102 %			03/21/20	03/21/20 11:31	
Surrogate: 4-Bromofluorobenzene			86-115	101 %			03/21/20	03/21/20 11:31	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23A

0031224-05 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.80		pH Units			1	03/13/20	03/13/20 10:20	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	7.29		NTU	0.500	0.110	1	03/13/20	03/13/20 16:25	VVD
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	81600		ug/L	500	500	1	03/16/20	03/17/20 12:34	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Barium	14.3		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Calcium	14000	QB-01, B	ug/L	80.0	80.0	1	03/16/20	03/17/20 12:34	KD
Chromium	16.0		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Cobalt	1.10		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Copper	1.06		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Iron	1070		ug/L	100	5.00	1	03/16/20	03/17/20 12:34	KD
Lead	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Magnesium	11300		ug/L	100	100	1	03/16/20	03/17/20 12:34	KD
Manganese	104		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 12:34	KD
Nickel	11.2		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Potassium	10800		ug/L	100	100	1	03/16/20	03/17/20 12:34	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Sodium	13700		ug/L	100	100	1	03/16/20	03/17/20 12:34	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:34	KD
Zinc	38.3		ug/L	4.00	4.00	1	03/16/20	03/17/20 12:34	KD



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23A

0031224-05 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	20.8		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:41	KD
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	7.1		mg/L	3.8	3.8	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 13:01	FRD
Chloride	28.3		mg/L	1.0	1.0	2	03/14/20	03/14/20 18:33	SES
Conductivity	209		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	121		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	0.13	Ja	mg/L	0.20	0.10	1	03/13/20	03/13/20 13:20	SES
Sulfate	5.48		mg/L	1.00	0.50	1	03/13/20	03/13/20 13:20	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	61.0		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23A

0031224-05RE1 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:55	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:55	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:55	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23A

**0031224-05RE1 (Nonpotable Water)
Sample Date: 03/12/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:55	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:55	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 11:55	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:55	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 11:55	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 11:55	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	100 %			03/21/20	03/21/20 11:55	
Surrogate: Toluene-d8			88-110	98 %			03/21/20	03/21/20 11:55	
Surrogate: 4-Bromofluorobenzene			86-115	93 %			03/21/20	03/21/20 11:55	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23B

0031224-06 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.45		pH Units			1	03/13/20	03/13/20 10:20	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	91.8		NTU	0.500	0.110	1	03/13/20	03/13/20 16:29	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:18	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:18	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:18	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
cis-1,2-Dichloroethene	4.4		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23B

0031224-06 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:18	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:18	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 12:18	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:18	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:18	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Tetrachloroethene	2.5		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Trichloroethene	1.2		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:18	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	101 %			03/21/20	03/21/20 12:18	
Surrogate: Toluene-d8			88-110	105 %			03/21/20	03/21/20 12:18	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/21/20	03/21/20 12:18	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23B

0031224-06 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	129000		ug/L	500	500	1	03/16/20	03/17/20 12:37	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Barium	169		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Calcium	16200	QB-01, B	ug/L	80.0	80.0	1	03/16/20	03/17/20 12:37	KD
Chromium	41.0		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Cobalt	8.23		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Copper	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Iron	8400		ug/L	100	5.00	1	03/16/20	03/17/20 12:37	KD
Lead	3.96		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Magnesium	21400		ug/L	100	100	1	03/16/20	03/17/20 12:37	KD
Manganese	141		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Mercury	0.646		ug/L	0.100	0.100	1	03/16/20	03/17/20 12:37	KD
Nickel	30.3		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Potassium	3850		ug/L	100	100	1	03/16/20	03/17/20 12:37	KD
Selenium	1.39		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Sodium	27700		ug/L	100	100	1	03/16/20	03/17/20 12:37	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Vanadium	10.5		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:37	KD
Zinc	26.9		ug/L	4.00	4.00	1	03/16/20	03/17/20 12:37	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:42	KD



Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-23B

0031224-06 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	307		mg/L	5.0	5.0	1	03/13/20	03/16/20 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/16/20	03/16/20 13:03	FRD
Chloride	92.3		mg/L	5.0	5.0	10	03/14/20	03/14/20 18:50	SES
Conductivity	408		us/Cm	1.00	1.00	1	03/17/20	03/17/20 14:10	FRD
Dissolved Solids	267		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	3.91		mg/L	0.20	0.10	1	03/13/20	03/13/20 13:38	SES
Sulfate	6.00		mg/L	1.00	0.50	1	03/13/20	03/13/20 13:38	SES
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	24.1		mg/L	1.0	1.0	1	03/17/20	03/17/20 14:10	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031224-07 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:41	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:41	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:41	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031224-07 (Nonpotable Water)
Sample Date: 03/12/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:41	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:41	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 12:41	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:41	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 12:41	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 12:41	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	99 %			03/21/20	03/21/20 12:41	
Surrogate: Toluene-d8			88-110	101 %			03/21/20	03/21/20 12:41	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/21/20	03/21/20 12:41	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-10

0031614-01 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.27		pH Units			1	03/17/20	03/17/20 10:57	MH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.82		NTU	0.500	0.110	1	03/17/20	03/17/20 15:01	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:04	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:04	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Benzene	2.2		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:04	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Chlorobenzene	4.8		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,4-Dichlorobenzene	9.8		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,1-Dichloroethane	1.6		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
cis-1,2-Dichloroethene	32.9		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
trans-1,2-Dichloroethene	1.8		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,2-Dichloropropane	2.4		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-10

**0031614-01 (Nonpotable Water)
Sample Date: 03/16/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:04	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:04	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 13:04	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:04	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:04	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Trichloroethene	3.1		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Vinyl chloride	19.2		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:04	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	99 %			03/21/20	03/21/20 13:04	
Surrogate: Toluene-d8			88-110	100 %			03/21/20	03/21/20 13:04	
Surrogate: 4-Bromofluorobenzene			86-115	103 %			03/21/20	03/21/20 13:04	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-10

**0031614-01 (Nonpotable Water)
Sample Date: 03/16/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	410000		ug/L	500	500	1	03/16/20	03/17/20 12:57	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Barium	139		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Calcium	76200		ug/L	80.0	80.0	1	03/16/20	03/17/20 12:57	KD
Chromium	1.48		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Cobalt	25.8		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Copper	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Iron	2060		ug/L	100	5.00	1	03/16/20	03/17/20 12:57	KD
Lead	1.09		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Magnesium	53300		ug/L	100	100	1	03/16/20	03/17/20 12:57	KD
Manganese	14800		ug/L	20.0	20.0	20	03/16/20	03/17/20 14:28	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 12:57	KD
Nickel	28.7		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Potassium	4320		ug/L	100	100	1	03/16/20	03/17/20 12:57	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Sodium	29900		ug/L	100	100	1	03/16/20	03/17/20 12:57	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 12:57	KD
Zinc	ND		ug/L	4.00	4.00	1	03/16/20	03/17/20 12:57	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	15.7		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:42	KD



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

OB-10

0031614-01 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.0		mg/L	2.4	2.4	1	03/17/20	03/18/20 10:50	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:12	FRD
Chloride	238		mg/L	12.5	12.5	25	03/17/20	03/19/20 01:51	BMG
Conductivity	1060		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	782		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	ND		mg/L	0.20	0.10	1	03/17/20	03/17/20 22:41	BMG
Sulfate	1.63		mg/L	1.00	0.50	1	03/19/20	03/20/20 01:07	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	152		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

MW-4

0031614-02 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.07		pH Units			1	03/17/20	03/17/20 10:57	MH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	45.3		NTU	0.500	0.110	1	03/17/20	03/17/20 15:05	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:27	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:27	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:27	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-4

**0031614-02 (Nonpotable Water)
Sample Date: 03/16/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:27	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:27	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 13:27	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:27	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:27	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:27	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	101 %			03/21/20	03/21/20 13:27	
Surrogate: Toluene-d8			88-110	99 %			03/21/20	03/21/20 13:27	
Surrogate: 4-Bromofluorobenzene			86-115	99 %			03/21/20	03/21/20 13:27	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-4

**0031614-02 (Nonpotable Water)
Sample Date: 03/16/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	205000		ug/L	500	500	1	03/16/20	03/17/20 13:00	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Barium	45.1		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Calcium	37400		ug/L	80.0	80.0	1	03/16/20	03/17/20 13:00	KD
Chromium	6.47		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Cobalt	1.02		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Copper	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Iron	2760		ug/L	100	5.00	1	03/16/20	03/17/20 13:00	KD
Lead	1.24		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Magnesium	27100		ug/L	100	100	1	03/16/20	03/17/20 13:00	KD
Manganese	106		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 13:00	KD
Nickel	4.99		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Potassium	3500		ug/L	100	100	1	03/16/20	03/17/20 13:00	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Sodium	32900		ug/L	100	100	1	03/16/20	03/17/20 13:00	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:00	KD
Zinc	9.04	B	ug/L	4.00	4.00	1	03/16/20	03/17/20 13:00	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	11.7		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:42	KD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-4

0031614-02 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	336		mg/L	6.8	6.8	1	03/17/20	03/18/20 10:50	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:19	FRD
Chloride	150		mg/L	12.5	12.5	25	03/17/20	03/19/20 02:09	BMG
Conductivity	608		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	480		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	0.82		mg/L	0.20	0.10	1	03/17/20	03/17/20 22:59	BMG
Sulfate	4.85		mg/L	1.00	0.50	1	03/19/20	03/20/20 02:00	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	45.2		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-12

0031614-03 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.53		pH Units			1	03/17/20	03/17/20 10:57	MH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	8.37		NTU	0.500	0.110	1	03/17/20	03/17/20 15:10	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:51	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:51	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:51	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Chloroform	1.1		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-12

**0031614-03 (Nonpotable Water)
Sample Date: 03/16/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:51	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:51	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 13:51	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:51	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 13:51	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 13:51	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	100 %			03/21/20	03/21/20 13:51	
Surrogate: Toluene-d8			88-110	98 %			03/21/20	03/21/20 13:51	
Surrogate: 4-Bromofluorobenzene			86-115	103 %			03/21/20	03/21/20 13:51	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-12

**0031614-03 (Nonpotable Water)
Sample Date: 03/16/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	112000		ug/L	500	500	1	03/16/20	03/17/20 13:02	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Barium	231		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Calcium	22500		ug/L	80.0	80.0	1	03/16/20	03/17/20 13:02	KD
Chromium	6.72		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Copper	17.0		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Iron	352		ug/L	100	5.00	1	03/16/20	03/17/20 13:02	KD
Lead	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Magnesium	13500		ug/L	100	100	1	03/16/20	03/17/20 13:02	KD
Manganese	33.6		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 13:02	KD
Nickel	5.17		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Potassium	2280		ug/L	100	100	1	03/16/20	03/17/20 13:02	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Sodium	71600		ug/L	100	100	1	03/16/20	03/17/20 13:02	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Vanadium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:02	KD
Zinc	15.0	B	ug/L	4.00	4.00	1	03/16/20	03/17/20 13:02	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	11.3		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:43	KD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-12

0031614-03 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	26.0		mg/L	2.3	2.3	1	03/17/20	03/18/20 10:50	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:21	FRD
Chloride	149		mg/L	5.0	5.0	10	03/17/20	03/19/20 03:02	BMG
Conductivity	5.92		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	402		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	3.38		mg/L	0.20	0.10	1	03/17/20	03/17/20 23:52	BMG
Sulfate	20.0		mg/L	1.00	0.50	1	03/19/20	03/20/20 02:18	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	13.1		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-11A

0031614-04 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.80		pH Units			1	03/17/20	03/17/20 10:57	MH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	169		NTU	2.50	0.550	5	03/17/20	03/17/20 15:21	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:14	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:14	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:14	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-11A

0031614-04 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:14	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:14	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 14:14	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:14	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:14	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:14	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	98 %			03/21/20	03/21/20 14:14	
Surrogate: Toluene-d8			88-110	103 %			03/21/20	03/21/20 14:14	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/21/20	03/21/20 14:14	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-11A

0031614-04 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	63500		ug/L	500	500	1	03/16/20	03/17/20 13:05	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Barium	110		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Calcium	8400		ug/L	80.0	80.0	1	03/16/20	03/17/20 13:05	KD
Chromium	36.0		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Cobalt	12.1		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Copper	15.6		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Iron	17400		ug/L	100	5.00	1	03/16/20	03/17/20 13:05	KD
Lead	6.39		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Magnesium	10300		ug/L	100	100	1	03/16/20	03/17/20 13:05	KD
Manganese	329		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 13:05	KD
Nickel	29.5		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Potassium	3340		ug/L	100	100	1	03/16/20	03/17/20 13:05	KD
Selenium	1.77		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Sodium	4100		ug/L	100	100	1	03/16/20	03/17/20 13:05	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Vanadium	29.7		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:05	KD
Zinc	66.3	QB-01, B	ug/L	4.00	4.00	1	03/16/20	03/17/20 13:05	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:43	KD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-11A

0031614-04 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	229		mg/L	9.1	9.1	1	03/17/20	03/18/20 10:50	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.31		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:23	FRD
Chloride	20.3		mg/L	0.5	0.5	1	03/17/20	03/18/20 00:10	BMG
Conductivity	129		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	114		mg/L	5.0	5.0	1	03/18/20	03/18/20 14:06	FRD
Nitrate (as N)	1.44		mg/L	0.20	0.10	1	03/18/20	03/18/20 00:10	BMG
Sulfate	5.50		mg/L	1.00	0.50	1	03/19/20	03/20/20 10:14	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	19.0		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

MW-11B

0031614-05 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.32		pH Units			1	03/17/20	03/17/20 10:57	MH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.47		NTU	0.500	0.110	1	03/17/20	03/17/20 15:24	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:37	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:37	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:37	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
cis-1,2-Dichloroethene	4.1		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-11B

0031614-05 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:37	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:37	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 14:37	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:37	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 14:37	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Tetrachloroethene	6.3		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Trichloroethene	2.7		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 14:37	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	102 %			03/21/20	03/21/20 14:37	
Surrogate: Toluene-d8			88-110	99 %			03/21/20	03/21/20 14:37	
Surrogate: 4-Bromofluorobenzene			86-115	101 %			03/21/20	03/21/20 14:37	



Cory Koons, Laboratory Manager

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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:
04/14/20 13:46

MW-11B

0031614-05 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	87300		ug/L	500	500	1	03/16/20	03/17/20 13:07	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Barium	21.1		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Calcium	17000		ug/L	80.0	80.0	1	03/16/20	03/17/20 13:07	KD
Chromium	2.32		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Cobalt	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Copper	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Iron	268		ug/L	100	5.00	1	03/16/20	03/17/20 13:07	KD
Lead	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Magnesium	10900		ug/L	100	100	1	03/16/20	03/17/20 13:07	KD
Manganese	6.32		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 13:07	KD
Nickel	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Potassium	950		ug/L	100	100	1	03/16/20	03/17/20 13:07	KD
Selenium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Sodium	10700		ug/L	100	100	1	03/16/20	03/17/20 13:07	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Vanadium	3.06		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:07	KD
Zinc	ND		ug/L	4.00	4.00	1	03/16/20	03/17/20 13:07	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:43	KD



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Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-11B

0031614-05 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	13.8		mg/L	2.3	2.3	1	03/17/20	03/18/20 10:50	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:25	FRD
Chloride	17.3		mg/L	0.5	0.5	1	03/17/20	03/18/20 00:28	BMG
Conductivity	220		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	155		mg/L	5.0	5.0	1	03/20/20	03/20/20 15:00	FRD
Nitrate (as N)	3.55		mg/L	0.20	0.10	1	03/18/20	03/18/20 00:28	BMG
Sulfate	3.99		mg/L	1.00	0.50	1	03/19/20	03/20/20 10:32	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	68.6		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-10

0031614-06 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.15		pH Units			1	03/17/20	03/17/20 10:57	MH
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	79.5		NTU	0.500	0.110	1	03/17/20	03/17/20 15:29	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:00	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:00	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:00	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-10

0031614-06 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:00	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:00	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 15:00	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:00	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:00	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:00	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	100 %	03/21/20		03/21/20 15:00		
Surrogate: Toluene-d8			88-110	104 %	03/21/20		03/21/20 15:00		
Surrogate: 4-Bromofluorobenzene			86-115	100 %	03/21/20		03/21/20 15:00		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-10

0031614-06 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	51500		ug/L	500	500	1	03/16/20	03/17/20 13:10	KD
Antimony	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Arsenic	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Barium	98.8		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Beryllium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Cadmium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Calcium	8120		ug/L	80.0	80.0	1	03/16/20	03/17/20 13:10	KD
Chromium	24.2		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Cobalt	6.17		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Copper	27.8		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Iron	11200		ug/L	100	5.00	1	03/16/20	03/17/20 13:10	KD
Lead	5.29		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Magnesium	7570		ug/L	100	100	1	03/16/20	03/17/20 13:10	KD
Manganese	187		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Mercury	ND		ug/L	0.100	0.100	1	03/16/20	03/17/20 13:10	KD
Nickel	16.8		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Potassium	2980		ug/L	100	100	1	03/16/20	03/17/20 13:10	KD
Selenium	1.17		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Silver	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Sodium	6590		ug/L	100	100	1	03/16/20	03/17/20 13:10	KD
Thallium	ND		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Vanadium	28.0		ug/L	1.00	1.00	1	03/16/20	03/17/20 13:10	KD
Zinc	78.3	QB-01, B	ug/L	4.00	4.00	1	03/16/20	03/17/20 13:10	KD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:44	KD



Cory Koons, Laboratory Manager

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-10

0031614-06 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	174		mg/L	8.6	8.6	1	03/17/20	03/18/20 10:50	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.17		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:27	FRD
Chloride	2.0		mg/L	0.5	0.5	1	03/17/20	03/18/20 01:22	BMG
Conductivity	97.3		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	99.0		mg/L	5.0	5.0	1	03/20/20	03/20/20 15:00	FRD
Nitrate (as N)	0.16	Ja	mg/L	0.20	0.10	1	03/18/20	03/18/20 01:22	BMG
Sulfate	9.68		mg/L	1.00	0.50	1	03/19/20	03/20/20 10:50	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	34.5		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031614-07 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:24	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:24	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:24	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031614-07 (Nonpotable Water)
Sample Date: 03/16/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:24	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:24	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 15:24	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:24	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:24	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:24	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	102 %			03/21/20	03/21/20 15:24	
Surrogate: Toluene-d8			88-110	103 %			03/21/20	03/21/20 15:24	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/21/20	03/21/20 15:24	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-15

0031717-01 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.77		pH Units			1	03/18/20	03/18/20 10:04	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	82.2		NTU	0.500	0.110	1	03/18/20	03/18/20 17:31	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:47	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:47	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:47	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-15

0031717-01 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:47	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:47	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 15:47	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:47	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 15:47	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 15:47	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	100 %			03/21/20	03/21/20 15:47	
Surrogate: Toluene-d8			88-110	103 %			03/21/20	03/21/20 15:47	
Surrogate: 4-Bromofluorobenzene			86-115	100 %			03/21/20	03/21/20 15:47	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-15

**0031717-01 (Nonpotable Water)
Sample Date: 03/17/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	90000		ug/L	500	500	1	03/19/20	03/20/20 11:18	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Barium	98.3		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Calcium	12600		ug/L	80.0	80.0	1	03/19/20	03/20/20 11:18	VVD
Chromium	17.5		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Cobalt	5.41		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Copper	41.6		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Iron	12400		ug/L	100	5.00	1	03/19/20	03/20/20 11:18	VVD
Lead	2.44		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Magnesium	14200		ug/L	100	100	1	03/19/20	03/20/20 11:18	VVD
Manganese	188		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/19/20	03/20/20 11:18	VVD
Nickel	19.8		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Potassium	2030		ug/L	100	100	1	03/19/20	03/20/20 11:18	VVD
Selenium	1.75		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Silver	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Sodium	10900		ug/L	100	100	1	03/19/20	03/20/20 11:18	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Vanadium	8.98		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:18	VVD
Zinc	47.7		ug/L	4.00	4.00	1	03/19/20	03/20/20 11:18	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	5.1		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:44	KD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-15

0031717-01 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	627		mg/L	11.1	11.1	1	03/18/20	03/19/20 11:57	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:45	FRD
Chloride	37.0		mg/L	1.0	1.0	2	03/19/20	03/20/20 13:49	BMG
Conductivity	228		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	164		mg/L	5.0	5.0	1	03/20/20	03/20/20 15:00	FRD
Nitrate (as N)	4.89		mg/L	0.20	0.10	1	03/18/20	03/18/20 18:42	BMG
Sulfate	8.70		mg/L	1.00	0.50	1	03/18/20	03/18/20 18:42	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	25.1		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

MW-14A

0031717-02 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.52		pH Units			1	03/18/20	03/18/20 10:04	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	13.4		NTU	0.500	0.110	1	03/18/20	03/18/20 17:33	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:10	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:10	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:10	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-14A

0031717-02 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:10	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:10	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 16:10	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:10	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:10	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:10	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	101 %			03/21/20	03/21/20 16:10	
Surrogate: Toluene-d8			88-110	103 %			03/21/20	03/21/20 16:10	
Surrogate: 4-Bromofluorobenzene			86-115	102 %			03/21/20	03/21/20 16:10	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-14A

**0031717-02 (Nonpotable Water)
Sample Date: 03/17/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	236000		ug/L	500	500	1	03/19/20	03/20/20 11:20	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Barium	311		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Calcium	40700		ug/L	80.0	80.0	1	03/19/20	03/20/20 11:20	VVD
Chromium	10.0		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Cobalt	3.15		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Copper	9.44		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Iron	1420		ug/L	100	5.00	1	03/19/20	03/20/20 11:20	VVD
Lead	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Magnesium	32700		ug/L	100	100	1	03/19/20	03/20/20 11:20	VVD
Manganese	30.1		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/19/20	03/20/20 11:20	VVD
Nickel	28.6		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Potassium	3220		ug/L	100	100	1	03/19/20	03/20/20 11:20	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Silver	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Sodium	60400		ug/L	100	100	1	03/19/20	03/20/20 11:20	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Vanadium	2.90		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:20	VVD
Zinc	48.7		ug/L	4.00	4.00	1	03/19/20	03/20/20 11:20	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	ND		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:44	KD



Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-14A

0031717-02 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	317		mg/L	9.4	9.4	1	03/18/20	03/19/20 11:57	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:47	FRD
Chloride	242		mg/L	12.5	12.5	25	03/19/20	03/20/20 14:07	BMG
Conductivity	876		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	603		mg/L	5.0	5.0	1	03/20/20	03/20/20 15:00	FRD
Nitrate (as N)	2.84		mg/L	0.20	0.10	1	03/18/20	03/18/20 18:59	BMG
Sulfate	15.7		mg/L	1.00	0.50	1	03/18/20	03/18/20 18:59	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	15.7		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-14B

0031717-03 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	6.04		pH Units			1	03/18/20	03/18/20 10:04	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.50		NTU	0.500	0.110	1	03/18/20	03/18/20 17:34	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:33	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:33	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:33	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-14B

0031717-03 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:33	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:33	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 16:33	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:33	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:33	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:33	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	97 %	03/21/20		03/21/20 16:33		
Surrogate: Toluene-d8			88-110	99 %	03/21/20		03/21/20 16:33		
Surrogate: 4-Bromofluorobenzene			86-115	102 %	03/21/20		03/21/20 16:33		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-14B

0031717-03 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	59900		ug/L	500	500	1	03/19/20	03/20/20 11:22	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Barium	15.4		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Calcium	11700		ug/L	80.0	80.0	1	03/19/20	03/20/20 11:22	VVD
Chromium	6.42		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Copper	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Iron	249		ug/L	100	5.00	1	03/19/20	03/20/20 11:22	VVD
Lead	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Magnesium	7430		ug/L	100	100	1	03/19/20	03/20/20 11:22	VVD
Manganese	5.05		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/19/20	03/20/20 11:22	VVD
Nickel	4.80		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Potassium	1470		ug/L	100	100	1	03/19/20	03/20/20 11:22	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Silver	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Sodium	8020		ug/L	100	100	1	03/19/20	03/20/20 11:22	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:22	VVD
Zinc	ND		ug/L	4.00	4.00	1	03/19/20	03/20/20 11:22	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	7.4		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:45	KD



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G
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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-14B

0031717-03 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	27.1		mg/L	3.1	3.1	1	03/18/20	03/19/20 11:57	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:49	FRD
Chloride	20.2		mg/L	0.5	0.5	1	03/18/20	03/18/20 19:17	BMG
Conductivity	178		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	134		mg/L	5.0	5.0	1	03/20/20	03/20/20 15:00	FRD
Nitrate (as N)	5.09		mg/L	0.20	0.10	1	03/18/20	03/18/20 19:17	BMG
Sulfate	2.06		mg/L	1.00	0.50	1	03/18/20	03/18/20 19:17	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	33.5		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-9

0031717-04 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH MEASUREMENT BY EPA 9040B Prepared by pH (Paper or Meter)									
pH	5.49		pH Units			1	03/18/20	03/18/20 10:04	CWK
TURBIDITY BY EPA 180.1 Prepared by Turbidity Prep									
Turbidity	165		NTU	5.00	1.10	10	03/18/20	03/19/20 12:53	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:56	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:56	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:56	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-9

0031717-04 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:56	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:56	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 16:56	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:56	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 16:56	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Tetrachloroethene	4.6		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 16:56	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	102 %			03/21/20	03/21/20 16:56	
Surrogate: Toluene-d8			88-110	100 %			03/21/20	03/21/20 16:56	
Surrogate: 4-Bromofluorobenzene			86-115	103 %			03/21/20	03/21/20 16:56	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-9

0031717-04 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL METALS ANALYSIS BY EPA 3010A/6020A Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	72000		ug/L	500	500	1	03/19/20	03/20/20 11:25	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Arsenic	1.17		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Barium	153		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Beryllium	1.16		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Calcium	6200		ug/L	80.0	80.0	1	03/19/20	03/20/20 11:25	VVD
Chromium	52.0		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Cobalt	19.8		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Copper	17.4		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Iron	22600		ug/L	100	5.00	1	03/19/20	03/20/20 11:25	VVD
Lead	13.7		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Magnesium	13700		ug/L	100	100	1	03/19/20	03/20/20 11:25	VVD
Manganese	733		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/19/20	03/20/20 11:25	VVD
Nickel	43.3		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Potassium	8300		ug/L	100	100	1	03/19/20	03/20/20 11:25	VVD
Selenium	3.03		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Silver	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Sodium	5120		ug/L	100	100	1	03/19/20	03/20/20 11:25	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Vanadium	27.2		ug/L	1.00	1.00	1	03/19/20	03/20/20 11:25	VVD
Zinc	202		ug/L	4.00	4.00	1	03/19/20	03/20/20 11:25	VVD
CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep									
COD	5.2		mg/L	3.0	3.0	1	03/19/20	03/19/20 16:45	KD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

MW-9

0031717-04 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
TOTAL SUSPENDED SOLIDS BY USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	473		mg/L	13.2	13.2	1	03/18/20	03/19/20 11:57	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/20/20	03/20/20 15:51	FRD
Chloride	22.0		mg/L	0.5	0.5	1	03/18/20	03/18/20 19:35	BMG
Conductivity	128		us/Cm	1.00	1.00	1	03/19/20	03/19/20 10:37	FRD
Dissolved Solids	85.0		mg/L	5.0	5.0	1	03/20/20	03/20/20 15:00	FRD
Nitrate (as N)	1.31		mg/L	0.20	0.10	1	03/18/20	03/18/20 19:35	BMG
Sulfate	ND		mg/L	1.00	0.50	1	03/18/20	03/18/20 19:35	BMG
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	17.8		mg/L	1.0	1.0	1	03/19/20	03/19/20 10:37	FRD



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031717-05 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 17:20	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 17:20	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Benzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Bromoform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Bromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 17:20	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Chloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Chloroform	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Chloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Chloroprene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TRIP BLANK

0031717-05 (Nonpotable Water)
Sample Date: 03/17/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 17:20	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 17:20	GM
Isobutanol	ND		ug/L	100	100	1	03/21/20	03/21/20 17:20	GM
Iodomethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 17:20	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/21/20	03/21/20 17:20	GM
Styrene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Toluene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
o-Xylene	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/21/20	03/21/20 17:20	GM
Surrogate: 1,2-Dichloroethane-d4			80-120	102 %			03/21/20	03/21/20 17:20	
Surrogate: Toluene-d8			88-110	101 %			03/21/20	03/21/20 17:20	
Surrogate: 4-Bromofluorobenzene			86-115	102 %			03/21/20	03/21/20 17:20	



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TURBIDITY BY EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B003044 - Turbidity Prep										
Blank (B003044-BLK1)					Prepared & Analyzed: 03/03/20					
Turbidity	ND		0.500	NTU						
Batch B003065 - Turbidity Prep										
Blank (B003065-BLK1)					Prepared & Analyzed: 03/04/20					
Turbidity	ND		0.500	NTU						
Batch B003090 - Turbidity Prep										
Blank (B003090-BLK1)					Prepared & Analyzed: 03/05/20					
Turbidity	ND		0.500	NTU						
Batch B003113 - Turbidity Prep										
Blank (B003113-BLK1)					Prepared & Analyzed: 03/06/20					
Turbidity	ND		0.500	NTU						
Batch B003164 - Turbidity Prep										
Blank (B003164-BLK1)					Prepared & Analyzed: 03/10/20					
Turbidity	ND		0.500	NTU						
Batch B003185 - Turbidity Prep										
Blank (B003185-BLK1)					Prepared & Analyzed: 03/11/20					
Turbidity	ND		0.500	NTU						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TURBIDITY BY EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B003198 - Turbidity Prep										
Blank (B003198-BLK1)					Prepared & Analyzed: 03/12/20					
Turbidity	ND		0.500	NTU						
Batch B003226 - Turbidity Prep										
Blank (B003226-BLK1)					Prepared & Analyzed: 03/13/20					
Turbidity	ND		0.500	NTU						
Batch B003275 - Turbidity Prep										
Blank (B003275-BLK1)					Prepared & Analyzed: 03/17/20					
Turbidity	ND		0.500	NTU						
Batch B003304 - Turbidity Prep										
Blank (B003304-BLK1)					Prepared & Analyzed: 03/18/20					
Turbidity	ND		0.500	NTU						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

Blank (B003034-BLK1)

Prepared & Analyzed: 03/03/20

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



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

Blank (B003034-BLK1)

Prepared & Analyzed: 03/03/20

1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	50.57			ug/L	50.0		101	80-120		
Surrogate: Toluene-d8	50.52			ug/L	50.0		101	88-110		
Surrogate: 4-Bromofluorobenzene	50.25			ug/L	50.0		101	86-115		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

LCS (B003034-BS1)

Prepared & Analyzed: 03/03/20

Acetone	9.7		5.0	ug/L	10.0		97	50-150		
Benzene	6.0		1.0	ug/L	5.00		120	50-150		
Bromochloromethane	6.2		1.0	ug/L	5.00		124	50-150		
Bromodichloromethane	5.8		1.0	ug/L	5.00		115	50-150		
Bromoform	5.3		1.0	ug/L	5.00		106	50-150		
Bromomethane	8.0		1.0	ug/L	5.00		159	50-150		
2-Butanone (MEK)	8.9		5.0	ug/L	10.0		89	50-150		
Carbon disulfide	6.6		1.0	ug/L	5.00		132	50-150		
Carbon tetrachloride	5.8		1.0	ug/L	5.00		116	50-150		
Chlorobenzene	6.3		1.0	ug/L	5.00		125	50-150		
Chloroethane	7.0		1.0	ug/L	5.00		141	50-150		
Chloroform	5.9		1.0	ug/L	5.00		119	50-150		
Chloromethane	6.1		1.0	ug/L	5.00		122	50-150		
Dibromochloromethane	6.3		1.0	ug/L	5.00		125	50-150		
1,2-Dibromo-3-chloropropane	6.7		1.0	ug/L	5.00		135	50-150		
1,2-Dibromoethane (EDB)	6.1		1.0	ug/L	5.00		122	50-150		
Dibromomethane	6.0		1.0	ug/L	5.00		120	50-150		
1,2-Dichlorobenzene	6.4		1.0	ug/L	5.00		127	50-150		
1,4-Dichlorobenzene	6.4		1.0	ug/L	5.00		127	50-150		
1,1-Dichloroethane	6.3		1.0	ug/L	5.00		125	50-150		
1,2-Dichloroethane	5.8		1.0	ug/L	5.00		115	50-150		
1,1-Dichloroethene	7.4		1.0	ug/L	5.00		148	50-150		
cis-1,2-Dichloroethene	6.1		1.0	ug/L	5.00		123	50-150		
trans-1,2-Dichloroethene	6.2		1.0	ug/L	5.00		125	50-150		
1,2-Dichloropropane	5.9		1.0	ug/L	5.00		118	50-150		
1,3-Dichloropropane	6.4		1.0	ug/L	5.00		128	50-150		
2,2-Dichloropropane	5.9		1.0	ug/L	5.00		117	50-150		
1,1-Dichloropropene	6.3		1.0	ug/L	5.00		127	50-150		
cis-1,3-Dichloropropene	6.0		1.0	ug/L	5.00		121	50-150		
trans-1,3-Dichloropropene	6.4		1.0	ug/L	5.00		128	50-150		
Ethylbenzene	6.3		1.0	ug/L	5.00		125	50-150		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

LCS (B003034-BS1)

Prepared & Analyzed: 03/03/20

2-Hexanone	10.3		5.0	ug/L	10.0		103	50-150		
Methyl tert-butyl ether (MTBE)	5.4		1.0	ug/L	5.00		107	50-150		
4-Methyl-2-pentanone	10.0		5.0	ug/L	10.0		100	50-150		
Methylene chloride	7.0		1.0	ug/L	5.00		139	0-200		
Methyl methacrylate	5.5		5.0	ug/L	5.00		111	50-150		
Styrene	6.2		1.0	ug/L	5.00		123	50-150		
1,1,1,2-Tetrachloroethane	5.8		1.0	ug/L	5.00		117	50-150		
1,1,2,2-Tetrachloroethane	6.2		1.0	ug/L	5.00		124	50-150		
Tetrachloroethene	5.9		1.0	ug/L	5.00		118	50-150		
Toluene	6.0		1.0	ug/L	5.00		121	50-150		
1,1,1-Trichloroethane	5.8		1.0	ug/L	5.00		115	50-150		
1,1,2-Trichloroethane	6.5		1.0	ug/L	5.00		129	50-150		
Trichloroethene	6.1		1.0	ug/L	5.00		122	50-150		
Trichlorofluoromethane (Freon 11)	6.6		1.0	ug/L	5.00		131	50-150		
1,2,3-Trichloropropane	6.0		1.0	ug/L	5.00		120	50-150		
Vinyl acetate	4.1		1.0	ug/L	5.00		82	50-150		
Vinyl chloride	6.3		1.0	ug/L	5.00		126	50-150		
o-Xylene	6.6		1.0	ug/L	5.00		131	50-150		
m- & p-Xylenes	12.2		1.0	ug/L	10.0		122	50-150		
Surrogate: 1,2-Dichloroethane-d4	47.23			ug/L	50.0		94	80-120		
Surrogate: Toluene-d8	50.19			ug/L	50.0		100	88-110		
Surrogate: 4-Bromofluorobenzene	51.19			ug/L	50.0		102	86-115		

Matrix Spike (B003034-MS1)

Source: 0030306-01

Prepared & Analyzed: 03/03/20

Acetone	12.1		5.0	ug/L	10.0	ND	121	60-120		
Benzene	10.4		1.0	ug/L	10.0	ND	104	60-120		
Bromochloromethane	10.2		1.0	ug/L	10.0	ND	102	60-120		
Bromodichloromethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
Bromoform	9.8		1.0	ug/L	10.0	ND	98	60-120		
Bromomethane	12.0		1.0	ug/L	10.0	ND	120	60-120		
2-Butanone (MEK)	12.4		5.0	ug/L	10.0	2.2	103	60-120		
Carbon disulfide	9.7		1.0	ug/L	10.0	ND	97	60-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

Matrix Spike (B003034-MS1)	Source: 0030306-01			Prepared & Analyzed: 03/03/20						
Carbon tetrachloride	9.7		1.0	ug/L	10.0	ND	97	60-120		
Chlorobenzene	10.2		1.0	ug/L	10.0	ND	102	60-120		
Chloroethane	11.0		1.0	ug/L	10.0	ND	110	60-120		
Chloroform	10.4		1.0	ug/L	10.0	ND	104	60-120		
Chloromethane	11.4		1.0	ug/L	10.0	ND	114	60-120		
Dibromochloromethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,2-Dibromo-3-chloropropane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,2-Dibromoethane (EDB)	10.0		1.0	ug/L	10.0	ND	100	60-120		
Dibromomethane	9.7		1.0	ug/L	10.0	ND	97	60-120		
1,2-Dichlorobenzene	10.2		1.0	ug/L	10.0	ND	102	60-120		
1,4-Dichlorobenzene	10.4		1.0	ug/L	10.0	ND	104	60-120		
1,1-Dichloroethane	10.1		1.0	ug/L	10.0	ND	101	60-120		
1,2-Dichloroethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
1,1-Dichloroethene	10.2		1.0	ug/L	10.0	ND	102	60-120		
cis-1,2-Dichloroethene	15.7		1.0	ug/L	10.0	4.4	113	60-120		
trans-1,2-Dichloroethene	10.3		1.0	ug/L	10.0	ND	103	60-120		
1,2-Dichloropropane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,3-Dichloropropane	10.3		1.0	ug/L	10.0	ND	103	60-120		
2,2-Dichloropropane	8.0		1.0	ug/L	10.0	ND	80	60-120		
1,1-Dichloropropene	10.1		1.0	ug/L	10.0	ND	101	60-120		
cis-1,3-Dichloropropene	9.1		1.0	ug/L	10.0	ND	91	60-120		
trans-1,3-Dichloropropene	9.9		1.0	ug/L	10.0	ND	99	60-120		
Ethylbenzene	10.4		1.0	ug/L	10.0	ND	104	60-120		
2-Hexanone	9.9		5.0	ug/L	10.0	ND	99	60-120		
Methyl tert-butyl ether (MTBE)	10.2		1.0	ug/L	10.0	ND	102	60-120		
4-Methyl-2-pentanone	10.0		5.0	ug/L	10.0	ND	100	60-120		
Methylene chloride	10.8		1.0	ug/L	10.0	ND	108	60-120		
Methyl methacrylate	9.2		5.0	ug/L	10.0	ND	92	60-120		
Styrene	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,1,1,2-Tetrachloroethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,1,2,2-Tetrachloroethane	9.6		1.0	ug/L	10.0	ND	96	60-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

Matrix Spike (B003034-MS1)	Source: 0030306-01			Prepared & Analyzed: 03/03/20						
Tetrachloroethene	17.5		1.0	ug/L	10.0	7.3	103	60-120		
Toluene	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,1,1-Trichloroethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,1,2-Trichloroethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
Trichloroethene	11.0		1.0	ug/L	10.0	1.1	100	60-120		
Trichlorofluoromethane (Freon 11)	10.2		1.0	ug/L	10.0	ND	102	60-120		
1,2,3-Trichloropropane	10.1		1.0	ug/L	10.0	ND	101	60-120		
Vinyl acetate	7.8		1.0	ug/L	10.0	ND	78	60-120		
Vinyl chloride	11.6		1.0	ug/L	10.0	ND	116	60-120		
o-Xylene	10.2		1.0	ug/L	10.0	ND	102	60-120		
m- & p-Xylenes	21.0		1.0	ug/L	20.0	ND	105	60-120		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.19</i>			ug/L	<i>50.0</i>		<i>94</i>	<i>80-120</i>		
<i>Surrogate: Toluene-d8</i>	<i>49.74</i>			ug/L	<i>50.0</i>		<i>99</i>	<i>88-110</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.39</i>			ug/L	<i>50.0</i>		<i>103</i>	<i>86-115</i>		

Matrix Spike Dup (B003034-MSD1)	Source: 0030306-01			Prepared & Analyzed: 03/03/20						
Acetone	11.2		5.0	ug/L	10.0	ND	112	60-120	8	15
Benzene	9.7		1.0	ug/L	10.0	ND	97	60-120	7	15
Bromochloromethane	9.6		1.0	ug/L	10.0	ND	96	60-120	6	15
Bromodichloromethane	9.2		1.0	ug/L	10.0	ND	92	60-120	6	15
Bromoform	8.6		1.0	ug/L	10.0	ND	86	60-120	12	15
Bromomethane	11.0		1.0	ug/L	10.0	ND	110	60-120	8	15
2-Butanone (MEK)	13.2		5.0	ug/L	10.0	2.2	110	60-120	6	15
Carbon disulfide	8.9		1.0	ug/L	10.0	ND	89	60-120	8	15
Carbon tetrachloride	9.0		1.0	ug/L	10.0	ND	90	60-120	8	15
Chlorobenzene	9.7		1.0	ug/L	10.0	ND	97	60-120	5	15
Chloroethane	9.4		1.0	ug/L	10.0	ND	94	60-120	15	15
Chloroform	9.8		1.0	ug/L	10.0	ND	98	60-120	6	15
Chloromethane	10.5		1.0	ug/L	10.0	ND	105	60-120	8	15
Dibromochloromethane	9.1		1.0	ug/L	10.0	ND	91	60-120	9	15
1,2-Dibromo-3-chloropropane	10.3		1.0	ug/L	10.0	ND	103	60-120	4	15
1,2-Dibromoethane (EDB)	9.6		1.0	ug/L	10.0	ND	96	60-120	4	15



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

Matrix Spike Dup (B003034-MSD1)	Source: 0030306-01	Prepared & Analyzed: 03/03/20
Dibromomethane	9.3	1.0 ug/L 10.0 ND 93 60-120 5 15
1,2-Dichlorobenzene	9.6	1.0 ug/L 10.0 ND 96 60-120 6 15
1,4-Dichlorobenzene	9.3	1.0 ug/L 10.0 ND 93 60-120 11 15
1,1-Dichloroethane	9.7	1.0 ug/L 10.0 ND 97 60-120 4 15
1,2-Dichloroethane	8.5	1.0 ug/L 10.0 ND 85 60-120 10 15
1,1-Dichloroethene	10.0	1.0 ug/L 10.0 ND 100 60-120 2 15
cis-1,2-Dichloroethene	13.0	1.0 ug/L 10.0 4.4 86 60-120 19 15
trans-1,2-Dichloroethene	9.4	1.0 ug/L 10.0 ND 94 60-120 9 15
1,2-Dichloropropane	9.3	1.0 ug/L 10.0 ND 93 60-120 7 15
1,3-Dichloropropane	10.0	1.0 ug/L 10.0 ND 100 60-120 3 15
2,2-Dichloropropane	7.1	1.0 ug/L 10.0 ND 71 60-120 12 15
1,1-Dichloropropene	9.3	1.0 ug/L 10.0 ND 93 60-120 8 15
cis-1,3-Dichloropropene	8.9	1.0 ug/L 10.0 ND 89 60-120 2 15
trans-1,3-Dichloropropene	8.9	1.0 ug/L 10.0 ND 89 60-120 11 15
Ethylbenzene	9.8	1.0 ug/L 10.0 ND 98 60-120 6 15
2-Hexanone	9.3	5.0 ug/L 10.0 ND 93 60-120 6 15
Methyl tert-butyl ether (MTBE)	9.5	1.0 ug/L 10.0 ND 95 60-120 7 15
4-Methyl-2-pentanone	10.0	5.0 ug/L 10.0 ND 100 60-120 0.6 15
Methylene chloride	10.3	1.0 ug/L 10.0 ND 103 60-120 5 15
Methyl methacrylate	8.9	5.0 ug/L 10.0 ND 89 60-120 3 15
Styrene	8.9	1.0 ug/L 10.0 ND 89 60-120 0.2 15
1,1,1,2-Tetrachloroethane	9.5	1.0 ug/L 10.0 ND 95 60-120 4 15
1,1,2,2-Tetrachloroethane	9.6	1.0 ug/L 10.0 ND 96 60-120 0.1 15
Tetrachloroethene	14.2	1.0 ug/L 10.0 7.3 69 60-120 21 15
Toluene	9.3	1.0 ug/L 10.0 ND 93 60-120 12 15
1,1,1-Trichloroethane	9.1	1.0 ug/L 10.0 ND 91 60-120 8 15
1,1,2-Trichloroethane	10.0	1.0 ug/L 10.0 ND 100 60-120 4 15
Trichloroethene	10.0	1.0 ug/L 10.0 1.1 89 60-120 10 15
Trichlorofluoromethane (Freon 11)	9.4	1.0 ug/L 10.0 ND 94 60-120 8 15
1,2,3-Trichloropropane	9.6	1.0 ug/L 10.0 ND 96 60-120 5 15
Vinyl acetate	7.4	1.0 ug/L 10.0 ND 74 60-120 5 15



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003034 - GCMS-WATER-VOLATILES

Matrix Spike Dup (B003034-MSD1)	Source: 0030306-01	Prepared & Analyzed: 03/03/20
Vinyl chloride	11.1	1.0 ug/L 10.0 ND 111 60-120 5 15
o-Xylene	9.7	1.0 ug/L 10.0 ND 97 60-120 5 15
m- & p-Xylenes	19.5	1.0 ug/L 20.0 ND 98 60-120 7 15
Surrogate: 1,2-Dichloroethane-d4	46.61	ug/L 50.0 93 80-120
Surrogate: Toluene-d8	49.80	ug/L 50.0 100 88-110
Surrogate: 4-Bromofluorobenzene	51.32	ug/L 50.0 103 86-115

Batch B003068 - GCMS-WATER-VOLATILES

Blank (B003068-BLK1)	Prepared & Analyzed: 03/04/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L
Bromoform	ND 1.0 ug/L
Bromomethane	ND 1.0 ug/L
2-Butanone (MEK)	ND 5.0 ug/L
Carbon disulfide	ND 1.0 ug/L
Carbon tetrachloride	ND 1.0 ug/L
Chlorobenzene	ND 1.0 ug/L
Chloroethane	ND 1.0 ug/L
Chloroform	ND 1.0 ug/L
Chloromethane	ND 1.0 ug/L
Chloroprene	ND 1.0 ug/L
Dibromochloromethane	ND 1.0 ug/L
1,2-Dibromo-3-chloropropane	ND 1.0 ug/L
1,2-Dibromoethane (EDB)	ND 1.0 ug/L
Dibromomethane	ND 1.0 ug/L
1,2-Dichlorobenzene	ND 1.0 ug/L
1,4-Dichlorobenzene	ND 1.0 ug/L



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003068 - GCMS-WATER-VOLATILES

Blank (B003068-BLK1)

Prepared & Analyzed: 03/04/20

trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003068 - GCMS-WATER-VOLATILES

Blank (B003068-BLK1)

Prepared & Analyzed: 03/04/20

Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	52.03			ug/L	50.0		104	80-120		
Surrogate: Toluene-d8	50.08			ug/L	50.0		100	88-110		
Surrogate: 4-Bromofluorobenzene	49.83			ug/L	50.0		100	86-115		

LCS (B003068-BS1)

Prepared & Analyzed: 03/04/20

Acetone	9.6		5.0	ug/L	10.0		96	50-150		
Benzene	5.6		1.0	ug/L	5.00		112	50-150		
Bromochloromethane	5.7		1.0	ug/L	5.00		113	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.00		104	50-150		
Bromoform	5.5		1.0	ug/L	5.00		110	50-150		
Bromomethane	7.2		1.0	ug/L	5.00		144	50-150		
2-Butanone (MEK)	9.1		5.0	ug/L	10.0		91	50-150		
Carbon disulfide	6.3		1.0	ug/L	5.00		126	50-150		
Carbon tetrachloride	5.4		1.0	ug/L	5.00		107	50-150		
Chlorobenzene	5.9		1.0	ug/L	5.00		118	50-150		
Chloroethane	6.1		1.0	ug/L	5.00		122	50-150		
Chloroform	5.6		1.0	ug/L	5.00		112	50-150		
Chloromethane	5.9		1.0	ug/L	5.00		119	50-150		
Dibromochloromethane	5.8		1.0	ug/L	5.00		116	50-150		
1,2-Dibromo-3-chloropropane	6.8		1.0	ug/L	5.00		136	50-150		
1,2-Dibromoethane (EDB)	5.6		1.0	ug/L	5.00		111	50-150		
Dibromomethane	5.6		1.0	ug/L	5.00		111	50-150		
1,2-Dichlorobenzene	5.9		1.0	ug/L	5.00		118	50-150		
1,4-Dichlorobenzene	6.0		1.0	ug/L	5.00		121	50-150		
1,1-Dichloroethane	5.7		1.0	ug/L	5.00		114	50-150		
1,2-Dichloroethane	5.2		1.0	ug/L	5.00		104	50-150		
1,1-Dichloroethene	6.8		1.0	ug/L	5.00		137	50-150		
cis-1,2-Dichloroethene	5.8		1.0	ug/L	5.00		115	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003068 - GCMS-WATER-VOLATILES

LCS (B003068-BS1)

Prepared & Analyzed: 03/04/20

trans-1,2-Dichloroethene	6.2		1.0	ug/L	5.00		123	50-150		
1,2-Dichloropropane	5.9		1.0	ug/L	5.00		118	50-150		
1,3-Dichloropropane	6.1		1.0	ug/L	5.00		122	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.00		107	50-150		
1,1-Dichloropropene	5.8		1.0	ug/L	5.00		116	50-150		
cis-1,3-Dichloropropene	5.4		1.0	ug/L	5.00		109	50-150		
trans-1,3-Dichloropropene	5.7		1.0	ug/L	5.00		113	50-150		
Ethylbenzene	5.7		1.0	ug/L	5.00		115	50-150		
2-Hexanone	9.7		5.0	ug/L	10.0		97	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.00		99	50-150		
4-Methyl-2-pentanone	9.7		5.0	ug/L	10.0		97	50-150		
Methylene chloride	6.2		1.0	ug/L	5.00		125	0-200		
Methyl methacrylate	5.0		5.0	ug/L	5.00		100	50-150		
Styrene	5.6		1.0	ug/L	5.00		111	50-150		
1,1,1,2-Tetrachloroethane	5.6		1.0	ug/L	5.00		113	50-150		
1,1,2,2-Tetrachloroethane	6.0		1.0	ug/L	5.00		119	50-150		
Tetrachloroethene	5.7		1.0	ug/L	5.00		114	50-150		
Toluene	5.6		1.0	ug/L	5.00		112	50-150		
1,1,1-Trichloroethane	5.4		1.0	ug/L	5.00		107	50-150		
1,1,2-Trichloroethane	6.1		1.0	ug/L	5.00		121	50-150		
Trichloroethene	5.6		1.0	ug/L	5.00		112	50-150		
Trichlorofluoromethane (Freon 11)	6.1		1.0	ug/L	5.00		122	50-150		
1,2,3-Trichloropropane	5.8		1.0	ug/L	5.00		116	50-150		
Vinyl acetate	3.6		1.0	ug/L	5.00		71	50-150		
Vinyl chloride	5.5		1.0	ug/L	5.00		110	50-150		
o-Xylene	5.7		1.0	ug/L	5.00		115	50-150		
m- & p-Xylenes	11.4		1.0	ug/L	10.0		114	50-150		
Surrogate: 1,2-Dichloroethane-d4	48.23			ug/L	50.0		96	80-120		
Surrogate: Toluene-d8	50.81			ug/L	50.0		102	88-110		
Surrogate: 4-Bromofluorobenzene	52.14			ug/L	50.0		104	86-115		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003068 - GCMS-WATER-VOLATILES

Duplicate (B003068-DUP1)	Source: 0030324-01	Prepared & Analyzed: 03/04/20			
Acetone	ND	5.0 ug/L	ND	20	
Acrylonitrile	ND	5.0 ug/L	ND	20	
Allyl chloride (3-Chloropropylene)	ND	1.0 ug/L	ND	20	
Benzene	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	2.4	1.0 ug/L	2.4	2	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	1.5	1.0 ug/L	1.3	15	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	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003068 - GCMS-WATER-VOLATILES

Duplicate (B003068-DUP1)	Source: 0030324-01	Prepared & Analyzed: 03/04/20			
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	
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	51.54	ug/L	50.0	103	80-120
Surrogate: Toluene-d8	50.03	ug/L	50.0	100	88-110
Surrogate: 4-Bromofluorobenzene	49.56	ug/L	50.0	99	86-115



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003068 - GCMS-WATER-VOLATILES

Matrix Spike (B003068-MS1)	Source: 0030324-01			Prepared & Analyzed: 03/04/20						
Acetone	12.2		5.0	ug/L	10.0	2.6	96	60-120		
Benzene	8.6		1.0	ug/L	10.0	ND	86	60-120		
Bromochloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
Bromodichloromethane	8.1		1.0	ug/L	10.0	ND	81	60-120		
Bromoform	8.0		1.0	ug/L	10.0	ND	80	60-120		
Bromomethane	10.6		1.0	ug/L	10.0	ND	106	60-120		
2-Butanone (MEK)	8.3		5.0	ug/L	10.0	ND	83	60-120		
Carbon disulfide	8.2		1.0	ug/L	10.0	ND	82	60-120		
Carbon tetrachloride	8.5		1.0	ug/L	10.0	ND	85	60-120		
Chlorobenzene	11.4		1.0	ug/L	10.0	2.4	90	60-120		
Chloroethane	8.6		1.0	ug/L	10.0	ND	86	60-120		
Chloroform	8.2		1.0	ug/L	10.0	ND	82	60-120		
Chloromethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
Dibromochloromethane	8.1		1.0	ug/L	10.0	ND	81	60-120		
1,2-Dibromo-3-chloropropane	8.1		1.0	ug/L	10.0	ND	81	60-120		
1,2-Dibromoethane (EDB)	8.5		1.0	ug/L	10.0	ND	85	60-120		
Dibromomethane	8.1		1.0	ug/L	10.0	ND	81	60-120		
1,2-Dichlorobenzene	8.8		1.0	ug/L	10.0	ND	88	60-120		
1,4-Dichlorobenzene	9.8		1.0	ug/L	10.0	1.3	85	60-120		
1,1-Dichloroethane	8.5		1.0	ug/L	10.0	ND	85	60-120		
1,2-Dichloroethane	7.7		1.0	ug/L	10.0	ND	77	60-120		
1,1-Dichloroethene	8.4		1.0	ug/L	10.0	ND	84	60-120		
cis-1,2-Dichloroethene	9.0		1.0	ug/L	10.0	ND	90	60-120		
trans-1,2-Dichloroethene	8.8		1.0	ug/L	10.0	ND	88	60-120		
1,2-Dichloropropane	8.2		1.0	ug/L	10.0	ND	82	60-120		
1,3-Dichloropropane	9.0		1.0	ug/L	10.0	ND	90	60-120		
2,2-Dichloropropane	7.8		1.0	ug/L	10.0	ND	78	60-120		
1,1-Dichloropropene	8.5		1.0	ug/L	10.0	ND	85	60-120		
cis-1,3-Dichloropropene	7.5		1.0	ug/L	10.0	ND	75	60-120		
trans-1,3-Dichloropropene	8.2		1.0	ug/L	10.0	ND	82	60-120		
Ethylbenzene	8.6		1.0	ug/L	10.0	ND	86	60-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003068 - GCMS-WATER-VOLATILES

Matrix Spike (B003068-MS1)	Source: 0030324-01	Prepared & Analyzed: 03/04/20
2-Hexanone	8.6	5.0 ug/L 10.0 ND 86 60-120
Methyl tert-butyl ether (MTBE)	8.1	1.0 ug/L 10.0 ND 81 60-120
4-Methyl-2-pentanone	8.0	5.0 ug/L 10.0 ND 80 60-120
Methylene chloride	9.1	1.0 ug/L 10.0 ND 91 60-120
Methyl methacrylate	7.0	5.0 ug/L 10.0 ND 70 60-120
Styrene	8.2	1.0 ug/L 10.0 ND 82 60-120
1,1,1,2-Tetrachloroethane	8.4	1.0 ug/L 10.0 ND 84 60-120
1,1,2,2-Tetrachloroethane	8.7	1.0 ug/L 10.0 ND 87 60-120
Tetrachloroethene	8.2	1.0 ug/L 10.0 ND 82 60-120
Toluene	8.4	1.0 ug/L 10.0 ND 84 60-120
1,1,1-Trichloroethane	8.4	1.0 ug/L 10.0 ND 84 60-120
1,1,2-Trichloroethane	8.7	1.0 ug/L 10.0 ND 87 60-120
Trichloroethene	8.5	1.0 ug/L 10.0 ND 85 60-120
Trichlorofluoromethane (Freon 11)	8.6	1.0 ug/L 10.0 ND 86 60-120
1,2,3-Trichloropropane	8.0	1.0 ug/L 10.0 ND 80 60-120
Vinyl acetate	6.9	1.0 ug/L 10.0 ND 69 60-120
Vinyl chloride	10.0	1.0 ug/L 10.0 ND 100 60-120
o-Xylene	8.3	1.0 ug/L 10.0 ND 83 60-120
m- & p-Xylenes	17.3	1.0 ug/L 20.0 ND 87 60-120
Surrogate: 1,2-Dichloroethane-d4	46.90	ug/L 50.0 94 80-120
Surrogate: Toluene-d8	50.50	ug/L 50.0 101 88-110
Surrogate: 4-Bromofluorobenzene	51.80	ug/L 50.0 104 86-115

Batch B003085 - GCMS-WATER-VOLATILES

Blank (B003085-BLK1)	Prepared & Analyzed: 03/05/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003085 - GCMS-WATER-VOLATILES

Blank (B003085-BLK1)

Prepared & Analyzed: 03/05/20

Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						
Chloromethane	ND		1.0	ug/L						
Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003085 - GCMS-WATER-VOLATILES

Blank (B003085-BLK1)

Prepared & Analyzed: 03/05/20

Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	51.09			ug/L	50.0		102	80-120		
Surrogate: Toluene-d8	49.92			ug/L	50.0		100	88-110		
Surrogate: 4-Bromofluorobenzene	48.05			ug/L	50.0		96	86-115		

LCS (B003085-BS1)

Prepared & Analyzed: 03/05/20

Acetone	9.3		5.0	ug/L	10.0		93	50-150		
Benzene	5.4		1.0	ug/L	5.00		107	50-150		
Bromochloromethane	6.1		1.0	ug/L	5.00		123	50-150		
Bromodichloromethane	5.3		1.0	ug/L	5.00		105	50-150		
Bromoform	5.2		1.0	ug/L	5.00		104	50-150		
Bromomethane	5.9		1.0	ug/L	5.00		117	50-150		
2-Butanone (MEK)	7.8		5.0	ug/L	10.0		78	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003085 - GCMS-WATER-VOLATILES

LCS (B003085-BS1)

Prepared & Analyzed: 03/05/20

Carbon disulfide	6.2		1.0	ug/L	5.00		125	50-150		
Carbon tetrachloride	5.7		1.0	ug/L	5.00		113	50-150		
Chlorobenzene	5.9		1.0	ug/L	5.00		117	50-150		
Chloroethane	4.6		1.0	ug/L	5.00		92	50-150		
Chloroform	5.4		1.0	ug/L	5.00		108	50-150		
Chloromethane	5.6		1.0	ug/L	5.00		113	50-150		
Dibromochloromethane	5.6		1.0	ug/L	5.00		112	50-150		
1,2-Dibromo-3-chloropropane	6.0		1.0	ug/L	5.00		121	50-150		
1,2-Dibromoethane (EDB)	5.5		1.0	ug/L	5.00		110	50-150		
Dibromomethane	5.6		1.0	ug/L	5.00		112	50-150		
1,2-Dichlorobenzene	6.0		1.0	ug/L	5.00		120	50-150		
1,4-Dichlorobenzene	6.3		1.0	ug/L	5.00		125	50-150		
1,1-Dichloroethane	5.4		1.0	ug/L	5.00		109	50-150		
1,2-Dichloroethane	4.8		1.0	ug/L	5.00		97	50-150		
1,1-Dichloroethene	6.5		1.0	ug/L	5.00		131	50-150		
cis-1,2-Dichloroethene	5.6		1.0	ug/L	5.00		111	50-150		
trans-1,2-Dichloroethene	5.8		1.0	ug/L	5.00		116	50-150		
1,2-Dichloropropane	5.5		1.0	ug/L	5.00		110	50-150		
1,3-Dichloropropane	5.5		1.0	ug/L	5.00		110	50-150		
2,2-Dichloropropane	5.4		1.0	ug/L	5.00		108	50-150		
1,1-Dichloropropene	5.3		1.0	ug/L	5.00		105	50-150		
cis-1,3-Dichloropropene	5.5		1.0	ug/L	5.00		110	50-150		
trans-1,3-Dichloropropene	5.4		1.0	ug/L	5.00		109	50-150		
Ethylbenzene	5.6		1.0	ug/L	5.00		111	50-150		
2-Hexanone	8.9		5.0	ug/L	10.0		89	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.00		98	50-150		
4-Methyl-2-pentanone	8.6		5.0	ug/L	10.0		86	50-150		
Methylene chloride	6.7		1.0	ug/L	5.00		134	0-200		
Methyl methacrylate	4.8	J	5.0	ug/L	5.00		95	50-150		
Styrene	5.3		1.0	ug/L	5.00		107	50-150		
1,1,1,2-Tetrachloroethane	5.5		1.0	ug/L	5.00		110	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003085 - GCMS-WATER-VOLATILES

LCS (B003085-BS1)

Prepared & Analyzed: 03/05/20

1,1,2,2-Tetrachloroethane	6.0		1.0	ug/L	5.00		119	50-150		
Tetrachloroethene	5.5		1.0	ug/L	5.00		110	50-150		
Toluene	5.3		1.0	ug/L	5.00		106	50-150		
1,1,1-Trichloroethane	5.4		1.0	ug/L	5.00		108	50-150		
1,1,2-Trichloroethane	5.8		1.0	ug/L	5.00		116	50-150		
Trichloroethene	5.5		1.0	ug/L	5.00		110	50-150		
Trichlorofluoromethane (Freon 11)	4.9		1.0	ug/L	5.00		97	50-150		
1,2,3-Trichloropropane	5.7		1.0	ug/L	5.00		115	50-150		
Vinyl acetate	3.5		1.0	ug/L	5.00		71	50-150		
Vinyl chloride	5.7		1.0	ug/L	5.00		113	50-150		
o-Xylene	5.5		1.0	ug/L	5.00		109	50-150		
m- & p-Xylenes	10.6		1.0	ug/L	10.0		106	50-150		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.95</i>			<i>ug/L</i>	<i>50.0</i>		<i>96</i>	<i>80-120</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.56</i>			<i>ug/L</i>	<i>50.0</i>		<i>101</i>	<i>88-110</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.52</i>			<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>86-115</i>		

Matrix Spike (B003085-MS1)

Source: 0030418-01

Prepared & Analyzed: 03/05/20

Acetone	12.3		5.0	ug/L	10.0	ND	123	60-120		
Benzene	9.8		1.0	ug/L	10.0	ND	98	60-120		
Bromochloromethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
Bromodichloromethane	8.4		1.0	ug/L	10.0	ND	84	60-120		
Bromoform	8.5		1.0	ug/L	10.0	ND	85	60-120		
Bromomethane	8.0		1.0	ug/L	10.0	ND	80	60-120		
2-Butanone (MEK)	8.4		5.0	ug/L	10.0	ND	84	60-120		
Carbon disulfide	7.5		1.0	ug/L	10.0	ND	75	60-120		
Carbon tetrachloride	8.5		1.0	ug/L	10.0	ND	85	60-120		
Chlorobenzene	9.6		1.0	ug/L	10.0	ND	96	60-120		
Chloroethane	6.9		1.0	ug/L	10.0	ND	69	60-120		
Chloroform	9.6		1.0	ug/L	10.0	ND	96	60-120		
Chloromethane	9.3		1.0	ug/L	10.0	ND	93	60-120		
Dibromochloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,2-Dibromo-3-chloropropane	9.8		1.0	ug/L	10.0	ND	98	60-120		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003085 - GCMS-WATER-VOLATILES

Matrix Spike (B003085-MS1)	Source: 0030418-01		Prepared & Analyzed: 03/05/20							
1,2-Dibromoethane (EDB)	9.2	1.0	ug/L	10.0	ND	92	60-120			
Dibromomethane	8.3	1.0	ug/L	10.0	ND	83	60-120			
1,2-Dichlorobenzene	9.0	1.0	ug/L	10.0	ND	90	60-120			
1,4-Dichlorobenzene	9.4	1.0	ug/L	10.0	ND	94	60-120			
1,1-Dichloroethane	9.0	1.0	ug/L	10.0	ND	90	60-120			
1,2-Dichloroethane	8.3	1.0	ug/L	10.0	ND	83	60-120			
1,1-Dichloroethene	8.2	1.0	ug/L	10.0	ND	82	60-120			
cis-1,2-Dichloroethene	9.3	1.0	ug/L	10.0	ND	93	60-120			
trans-1,2-Dichloroethene	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,2-Dichloropropane	8.8	1.0	ug/L	10.0	ND	88	60-120			
1,3-Dichloropropane	9.4	1.0	ug/L	10.0	ND	94	60-120			
2,2-Dichloropropane	7.1	1.0	ug/L	10.0	ND	71	60-120			
1,1-Dichloropropene	8.8	1.0	ug/L	10.0	ND	88	60-120			
cis-1,3-Dichloropropene	8.9	1.0	ug/L	10.0	ND	89	60-120			
trans-1,3-Dichloropropene	8.7	1.0	ug/L	10.0	ND	87	60-120			
Ethylbenzene	9.7	1.0	ug/L	10.0	ND	97	60-120			
2-Hexanone	8.3	5.0	ug/L	10.0	ND	83	60-120			
Methyl tert-butyl ether (MTBE)	9.1	1.0	ug/L	10.0	ND	91	60-120			
4-Methyl-2-pentanone	9.3	5.0	ug/L	10.0	ND	93	60-120			
Methylene chloride	9.4	1.0	ug/L	10.0	ND	94	60-120			
Methyl methacrylate	8.4	5.0	ug/L	10.0	ND	84	60-120			
Styrene	9.0	1.0	ug/L	10.0	ND	90	60-120			
1,1,1,2-Tetrachloroethane	9.2	1.0	ug/L	10.0	ND	92	60-120			
1,1,2,2-Tetrachloroethane	9.4	1.0	ug/L	10.0	ND	94	60-120			
Tetrachloroethene	9.0	1.0	ug/L	10.0	ND	90	60-120			
Toluene	11.0	1.0	ug/L	10.0	ND	110	60-120			
1,1,1-Trichloroethane	8.6	1.0	ug/L	10.0	ND	86	60-120			
1,1,2-Trichloroethane	9.6	1.0	ug/L	10.0	ND	96	60-120			
Trichloroethene	9.1	1.0	ug/L	10.0	ND	91	60-120			
Trichlorofluoromethane (Freon 11)	7.1	1.0	ug/L	10.0	ND	71	60-120			
1,2,3-Trichloropropane	8.8	1.0	ug/L	10.0	ND	88	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.

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003085 - GCMS-WATER-VOLATILES

Matrix Spike (B003085-MS1)	Source: 0030418-01	Prepared & Analyzed: 03/05/20
Vinyl acetate	6.0	1.0 ug/L 10.0 ND 60 60-120
Vinyl chloride	9.7	1.0 ug/L 10.0 ND 97 60-120
o-Xylene	10.1	1.0 ug/L 10.0 ND 101 60-120
m- & p-Xylenes	19.7	1.0 ug/L 20.0 ND 98 60-120
Surrogate: 1,2-Dichloroethane-d4	45.60	ug/L 50.0 91 80-120
Surrogate: Toluene-d8	50.11	ug/L 50.0 100 88-110
Surrogate: 4-Bromofluorobenzene	51.72	ug/L 50.0 103 86-115

Batch B003111 - GCMS-WATER-VOLATILES

Blank (B003111-BLK1)	Prepared & Analyzed: 03/09/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L
Bromoform	ND 1.0 ug/L
Bromomethane	ND 1.0 ug/L
2-Butanone (MEK)	ND 5.0 ug/L
Carbon disulfide	ND 1.0 ug/L
Carbon tetrachloride	ND 1.0 ug/L
Chlorobenzene	ND 1.0 ug/L
Chloroethane	ND 1.0 ug/L
Chloroform	ND 1.0 ug/L
Chloromethane	ND 1.0 ug/L
Chloroprene	ND 1.0 ug/L
Dibromochloromethane	ND 1.0 ug/L
1,2-Dibromo-3-chloropropane	ND 1.0 ug/L
1,2-Dibromoethane (EDB)	ND 1.0 ug/L
Dibromomethane	ND 1.0 ug/L
1,2-Dichlorobenzene	ND 1.0 ug/L



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003111 - GCMS-WATER-VOLATILES

Blank (B003111-BLK1)

Prepared & Analyzed: 03/09/20

1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
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						



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003111 - GCMS-WATER-VOLATILES

Blank (B003111-BLK1)

Prepared & Analyzed: 03/09/20

1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.00</i>			<i>ug/L</i>	<i>50.0</i>		<i>106</i>	<i>80-120</i>		
<i>Surrogate: Toluene-d8</i>	<i>49.03</i>			<i>ug/L</i>	<i>50.0</i>		<i>98</i>	<i>88-110</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.25</i>			<i>ug/L</i>	<i>50.0</i>		<i>97</i>	<i>86-115</i>		

LCS (B003111-BS1)

Prepared & Analyzed: 03/09/20

Acetone	8.5		5.0	ug/L	10.0		85	50-150		
Benzene	5.5		1.0	ug/L	5.00		110	50-150		
Bromochloromethane	5.5		1.0	ug/L	5.00		110	50-150		
Bromodichloromethane	5.2		1.0	ug/L	5.00		104	50-150		
Bromoform	5.3		1.0	ug/L	5.00		106	50-150		
Bromomethane	5.0		1.0	ug/L	5.00		101	50-150		
2-Butanone (MEK)	7.6		5.0	ug/L	10.0		76	50-150		
Carbon disulfide	5.9		1.0	ug/L	5.00		118	50-150		
Carbon tetrachloride	5.7		1.0	ug/L	5.00		114	50-150		
Chlorobenzene	5.5		1.0	ug/L	5.00		110	50-150		
Chloroethane	4.3		1.0	ug/L	5.00		86	50-150		
Chloroform	5.5		1.0	ug/L	5.00		110	50-150		
Chloromethane	4.7		1.0	ug/L	5.00		95	50-150		
Dibromochloromethane	5.7		1.0	ug/L	5.00		115	50-150		
1,2-Dibromo-3-chloropropane	6.0		1.0	ug/L	5.00		121	50-150		
1,2-Dibromoethane (EDB)	5.5		1.0	ug/L	5.00		111	50-150		
Dibromomethane	5.1		1.0	ug/L	5.00		103	50-150		
1,2-Dichlorobenzene	5.9		1.0	ug/L	5.00		117	50-150		
1,4-Dichlorobenzene	6.1		1.0	ug/L	5.00		123	50-150		
1,1-Dichloroethane	5.5		1.0	ug/L	5.00		109	50-150		
1,2-Dichloroethane	5.0		1.0	ug/L	5.00		100	50-150		
1,1-Dichloroethene	5.6		1.0	ug/L	5.00		113	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003111 - GCMS-WATER-VOLATILES

LCS (B003111-BS1)

Prepared & Analyzed: 03/09/20

cis-1,2-Dichloroethene	5.2		1.0	ug/L	5.00		104	50-150		
trans-1,2-Dichloroethene	5.6		1.0	ug/L	5.00		112	50-150		
1,2-Dichloropropane	5.3		1.0	ug/L	5.00		107	50-150		
1,3-Dichloropropane	5.7		1.0	ug/L	5.00		113	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.00		107	50-150		
1,1-Dichloropropene	5.2		1.0	ug/L	5.00		104	50-150		
cis-1,3-Dichloropropene	5.0		1.0	ug/L	5.00		100	50-150		
trans-1,3-Dichloropropene	5.3		1.0	ug/L	5.00		106	50-150		
Ethylbenzene	5.4		1.0	ug/L	5.00		109	50-150		
2-Hexanone	8.9		5.0	ug/L	10.0		89	50-150		
Methyl tert-butyl ether (MTBE)	4.7		1.0	ug/L	5.00		94	50-150		
4-Methyl-2-pentanone	8.5		5.0	ug/L	10.0		85	50-150		
Methylene chloride	6.4		1.0	ug/L	5.00		128	0-200		
Methyl methacrylate	4.6	J	5.0	ug/L	5.00		92	50-150		
Styrene	5.3		1.0	ug/L	5.00		106	50-150		
1,1,1,2-Tetrachloroethane	5.6		1.0	ug/L	5.00		113	50-150		
1,1,2,2-Tetrachloroethane	5.6		1.0	ug/L	5.00		112	50-150		
Tetrachloroethene	5.1		1.0	ug/L	5.00		103	50-150		
Toluene	5.4		1.0	ug/L	5.00		107	50-150		
1,1,1-Trichloroethane	5.6		1.0	ug/L	5.00		112	50-150		
1,1,2-Trichloroethane	5.5		1.0	ug/L	5.00		109	50-150		
Trichloroethene	5.4		1.0	ug/L	5.00		108	50-150		
Trichlorofluoromethane (Freon 11)	4.3		1.0	ug/L	5.00		85	50-150		
1,2,3-Trichloropropane	5.6		1.0	ug/L	5.00		113	50-150		
Vinyl acetate	3.4		1.0	ug/L	5.00		69	50-150		
Vinyl chloride	4.5		1.0	ug/L	5.00		89	50-150		
o-Xylene	5.3		1.0	ug/L	5.00		106	50-150		
m- & p-Xylenes	10.6		1.0	ug/L	10.0		106	50-150		
Surrogate: 1,2-Dichloroethane-d4	49.10			ug/L	50.0		98	80-120		
Surrogate: Toluene-d8	50.32			ug/L	50.0		101	88-110		
Surrogate: 4-Bromofluorobenzene	51.38			ug/L	50.0		103	86-115		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003111 - GCMS-WATER-VOLATILES

Duplicate (B003111-DUP1)	Source: 0030530-04			Prepared & Analyzed: 03/10/20						
Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				20
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	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	1.0		1.0	ug/L		1.0			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	ND		1.0	ug/L		ND				20
1,4-Dichlorobenzene	1.3		1.0	ug/L		1.3			5	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	4.4		1.0	ug/L		4.2			3	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



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003111 - GCMS-WATER-VOLATILES

Duplicate (B003111-DUP1)	Source: 0030530-04	Prepared & Analyzed: 03/10/20			
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	3.1	1.0 ug/L	2.9	5	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	51.93	ug/L	50.0	104	80-120
Surrogate: Toluene-d8	49.43	ug/L	50.0	99	88-110
Surrogate: 4-Bromofluorobenzene	49.35	ug/L	50.0	99	86-115



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003111 - GCMS-WATER-VOLATILES

Matrix Spike (B003111-MS1)	Source: 0030530-03		Prepared & Analyzed: 03/09/20							
Acetone	12.9	5.0	ug/L	10.0	4.3	85	60-120			
Benzene	14.2	1.0	ug/L	10.0	4.5	97	60-120			
Bromochloromethane	9.8	1.0	ug/L	10.0	ND	98	60-120			
Bromodichloromethane	9.6	1.0	ug/L	10.0	ND	96	60-120			
Bromoform	9.4	1.0	ug/L	10.0	ND	94	60-120			
Bromomethane	7.2	1.0	ug/L	10.0	ND	72	60-120			
2-Butanone (MEK)	10.8	5.0	ug/L	10.0	ND	108	60-120			
Carbon disulfide	7.1	1.0	ug/L	10.0	ND	71	60-120			
Carbon tetrachloride	9.8	1.0	ug/L	10.0	ND	98	60-120			
Chlorobenzene	18.5	1.0	ug/L	10.0	8.6	99	60-120			
Chloroethane	7.2	1.0	ug/L	10.0	ND	72	60-120			
Chloroform	9.8	1.0	ug/L	10.0	ND	98	60-120			
Chloromethane	10.2	1.0	ug/L	10.0	ND	102	60-120			
Dibromochloromethane	10.1	1.0	ug/L	10.0	ND	101	60-120			
1,2-Dibromo-3-chloropropane	10.3	1.0	ug/L	10.0	ND	103	60-120			
1,2-Dibromoethane (EDB)	9.9	1.0	ug/L	10.0	ND	99	60-120			
Dibromomethane	10.3	1.0	ug/L	10.0	ND	103	60-120			
1,2-Dichlorobenzene	10.7	1.0	ug/L	10.0	1.1	96	60-120			
1,4-Dichlorobenzene	23.1	1.0	ug/L	10.0	14.1	90	60-120			
1,1-Dichloroethane	11.7	1.0	ug/L	10.0	1.6	101	60-120			
1,2-Dichloroethane	9.4	1.0	ug/L	10.0	ND	94	60-120			
1,1-Dichloroethene	7.4	1.0	ug/L	10.0	ND	74	60-120			
cis-1,2-Dichloroethene	14.3	1.0	ug/L	10.0	5.1	93	60-120			
trans-1,2-Dichloroethene	9.9	1.0	ug/L	10.0	2.1	78	60-120			
1,2-Dichloropropane	10.6	1.0	ug/L	10.0	1.1	94	60-120			
1,3-Dichloropropane	9.9	1.0	ug/L	10.0	ND	99	60-120			
2,2-Dichloropropane	7.8	1.0	ug/L	10.0	ND	78	60-120			
1,1-Dichloropropene	10.6	1.0	ug/L	10.0	ND	106	60-120			
cis-1,3-Dichloropropene	8.7	1.0	ug/L	10.0	ND	87	60-120			
trans-1,3-Dichloropropene	8.9	1.0	ug/L	10.0	ND	89	60-120			
Ethylbenzene	10.0	1.0	ug/L	10.0	ND	100	60-120			



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003111 - GCMS-WATER-VOLATILES

Matrix Spike (B003111-MS1)	Source: 0030530-03	Prepared & Analyzed: 03/09/20
2-Hexanone	9.6	5.0 ug/L 10.0 ND 96 60-120
Methyl tert-butyl ether (MTBE)	8.5	1.0 ug/L 10.0 ND 85 60-120
4-Methyl-2-pentanone	9.7	5.0 ug/L 10.0 ND 97 60-120
Methylene chloride	8.4	1.0 ug/L 10.0 ND 84 60-120
Methyl methacrylate	8.7	5.0 ug/L 10.0 ND 87 60-120
Styrene	9.6	1.0 ug/L 10.0 ND 96 60-120
1,1,1,2-Tetrachloroethane	10.1	1.0 ug/L 10.0 ND 101 60-120
1,1,2,2-Tetrachloroethane	10.2	1.0 ug/L 10.0 ND 102 60-120
Tetrachloroethane	9.7	1.0 ug/L 10.0 ND 97 60-120
Toluene	10.8	1.0 ug/L 10.0 1.3 95 60-120
1,1,1-Trichloroethane	9.7	1.0 ug/L 10.0 ND 97 60-120
1,1,2-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120
Trichloroethene	10.8	1.0 ug/L 10.0 ND 108 60-120
Trichlorofluoromethane (Freon 11)	6.7	1.0 ug/L 10.0 ND 67 60-120
1,2,3-Trichloropropane	9.8	1.0 ug/L 10.0 ND 98 60-120
Vinyl acetate	6.7	1.0 ug/L 10.0 ND 67 60-120
Vinyl chloride	18.4	1.0 ug/L 10.0 10.5 79 60-120
o-Xylene	10.1	1.0 ug/L 10.0 ND 101 60-120
m- & p-Xylenes	19.3	1.0 ug/L 20.0 ND 97 60-120
Surrogate: 1,2-Dichloroethane-d4	48.89	ug/L 50.0 98 80-120
Surrogate: Toluene-d8	49.69	ug/L 50.0 99 88-110
Surrogate: 4-Bromofluorobenzene	52.09	ug/L 50.0 104 86-115

Batch B003146 - GCMS-WATER-VOLATILES

Blank (B003146-BLK1)	Prepared & Analyzed: 03/10/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003146 - GCMS-WATER-VOLATILES

Blank (B003146-BLK1)

Prepared & Analyzed: 03/10/20

Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						
Chloromethane	ND		1.0	ug/L						
Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003146 - GCMS-WATER-VOLATILES

Blank (B003146-BLK1)

Prepared & Analyzed: 03/10/20

Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	1.6		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	53.01			ug/L	50.0		106	80-120		
Surrogate: Toluene-d8	49.35			ug/L	50.0		99	88-110		
Surrogate: 4-Bromofluorobenzene	48.94			ug/L	50.0		98	86-115		

LCS (B003146-BS1)

Prepared & Analyzed: 03/10/20

Acetone	9.7		5.0	ug/L	10.0		97	50-150		
Benzene	5.5		1.0	ug/L	5.00		110	50-150		
Bromochloromethane	6.0		1.0	ug/L	5.00		120	50-150		
Bromodichloromethane	5.4		1.0	ug/L	5.00		107	50-150		
Bromoform	5.8		1.0	ug/L	5.00		116	50-150		
Bromomethane	4.4		1.0	ug/L	5.00		88	50-150		
2-Butanone (MEK)	8.9		5.0	ug/L	10.0		89	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003146 - GCMS-WATER-VOLATILES

LCS (B003146-BS1)

Prepared & Analyzed: 03/10/20

Carbon disulfide	5.2		1.0	ug/L	5.00		103	50-150		
Carbon tetrachloride	5.7		1.0	ug/L	5.00		115	50-150		
Chlorobenzene	6.0		1.0	ug/L	5.00		120	50-150		
Chloroethane	4.5		1.0	ug/L	5.00		89	50-150		
Chloroform	5.8		1.0	ug/L	5.00		117	50-150		
Chloromethane	4.5		1.0	ug/L	5.00		90	50-150		
Dibromochloromethane	5.7		1.0	ug/L	5.00		114	50-150		
1,2-Dibromo-3-chloropropane	6.6		1.0	ug/L	5.00		132	50-150		
1,2-Dibromoethane (EDB)	5.6		1.0	ug/L	5.00		111	50-150		
Dibromomethane	5.7		1.0	ug/L	5.00		114	50-150		
1,2-Dichlorobenzene	6.1		1.0	ug/L	5.00		122	50-150		
1,4-Dichlorobenzene	6.1		1.0	ug/L	5.00		122	50-150		
1,1-Dichloroethane	5.8		1.0	ug/L	5.00		116	50-150		
1,2-Dichloroethane	5.1		1.0	ug/L	5.00		102	50-150		
1,1-Dichloroethene	5.4		1.0	ug/L	5.00		109	50-150		
cis-1,2-Dichloroethene	5.7		1.0	ug/L	5.00		114	50-150		
trans-1,2-Dichloroethene	6.1		1.0	ug/L	5.00		123	50-150		
1,2-Dichloropropane	5.6		1.0	ug/L	5.00		111	50-150		
1,3-Dichloropropane	5.6		1.0	ug/L	5.00		111	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.00		106	50-150		
1,1-Dichloropropene	5.5		1.0	ug/L	5.00		111	50-150		
cis-1,3-Dichloropropene	5.4		1.0	ug/L	5.00		107	50-150		
trans-1,3-Dichloropropene	5.5		1.0	ug/L	5.00		110	50-150		
Ethylbenzene	5.5		1.0	ug/L	5.00		111	50-150		
2-Hexanone	9.3		5.0	ug/L	10.0		93	50-150		
Methyl tert-butyl ether (MTBE)	4.8		1.0	ug/L	5.00		96	50-150		
4-Methyl-2-pentanone	9.4		5.0	ug/L	10.0		94	50-150		
Methylene chloride	7.4	B	1.0	ug/L	5.00		148	0-200		
Methyl methacrylate	4.8	J	5.0	ug/L	5.00		96	50-150		
Styrene	5.1		1.0	ug/L	5.00		101	50-150		
1,1,1,2-Tetrachloroethane	6.0		1.0	ug/L	5.00		120	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003146 - GCMS-WATER-VOLATILES

LCS (B003146-BS1)

Prepared & Analyzed: 03/10/20

1,1,2,2-Tetrachloroethane	6.0		1.0	ug/L	5.00		120	50-150		
Tetrachloroethene	5.8		1.0	ug/L	5.00		116	50-150		
Toluene	5.5		1.0	ug/L	5.00		109	50-150		
1,1,1-Trichloroethane	5.6		1.0	ug/L	5.00		111	50-150		
1,1,2-Trichloroethane	6.2		1.0	ug/L	5.00		124	50-150		
Trichloroethene	6.1		1.0	ug/L	5.00		122	50-150		
Trichlorofluoromethane (Freon 11)	4.3		1.0	ug/L	5.00		86	50-150		
1,2,3-Trichloropropane	5.2		1.0	ug/L	5.00		104	50-150		
Vinyl acetate	3.6		1.0	ug/L	5.00		72	50-150		
Vinyl chloride	4.3		1.0	ug/L	5.00		87	50-150		
o-Xylene	5.7		1.0	ug/L	5.00		114	50-150		
m- & p-Xylenes	11.2		1.0	ug/L	10.0		112	50-150		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>48.21</i>			<i>ug/L</i>	<i>50.0</i>		<i>96</i>	<i>80-120</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.20</i>			<i>ug/L</i>	<i>50.0</i>		<i>100</i>	<i>88-110</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.69</i>			<i>ug/L</i>	<i>50.0</i>		<i>101</i>	<i>86-115</i>		

Matrix Spike (B003146-MS1)

Source: 0030910-01

Prepared & Analyzed: 03/11/20

Acetone	15.4		5.0	ug/L	10.0	4.4	110	60-120		
Benzene	13.0		1.0	ug/L	10.0	8.1	49	60-120		
Bromochloromethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
Bromodichloromethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
Bromoform	10.4		1.0	ug/L	10.0	ND	104	60-120		
Bromomethane	8.3		1.0	ug/L	10.0	ND	83	60-120		
2-Butanone (MEK)	12.3		5.0	ug/L	10.0	ND	123	60-120		
Carbon disulfide	9.8		1.0	ug/L	10.0	ND	98	60-120		
Carbon tetrachloride	9.6		1.0	ug/L	10.0	ND	96	60-120		
Chlorobenzene	10.0		1.0	ug/L	10.0	ND	100	60-120		
Chloroethane	6.6		1.0	ug/L	10.0	ND	66	60-120		
Chloroform	11.4		1.0	ug/L	10.0	2.5	89	60-120		
Chloromethane	10.1		1.0	ug/L	10.0	ND	101	60-120		
Dibromochloromethane	10.9		1.0	ug/L	10.0	ND	109	60-120		
1,2-Dibromo-3-chloropropane	11.5		1.0	ug/L	10.0	ND	115	60-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003146 - GCMS-WATER-VOLATILES

Matrix Spike (B003146-MS1)	Source: 0030910-01			Prepared & Analyzed: 03/11/20						
1,2-Dibromoethane (EDB)	10.5		1.0	ug/L	10.0	ND	105	60-120		
Dibromomethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,2-Dichlorobenzene	9.4		1.0	ug/L	10.0	ND	94	60-120		
1,4-Dichlorobenzene	8.8		1.0	ug/L	10.0	ND	88	60-120		
1,1-Dichloroethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
1,2-Dichloroethane	9.7		1.0	ug/L	10.0	ND	97	60-120		
1,1-Dichloroethene	10.5		1.0	ug/L	10.0	ND	105	60-120		
cis-1,2-Dichloroethene	9.9		1.0	ug/L	10.0	ND	99	60-120		
trans-1,2-Dichloroethene	10.1		1.0	ug/L	10.0	ND	101	60-120		
1,2-Dichloropropane	10.2		1.0	ug/L	10.0	ND	102	60-120		
1,3-Dichloropropane	11.0		1.0	ug/L	10.0	ND	110	60-120		
2,2-Dichloropropane	7.7		1.0	ug/L	10.0	ND	77	60-120		
1,1-Dichloropropene	9.3		1.0	ug/L	10.0	ND	93	60-120		
cis-1,3-Dichloropropene	9.1		1.0	ug/L	10.0	ND	91	60-120		
trans-1,3-Dichloropropene	9.4		1.0	ug/L	10.0	ND	94	60-120		
Ethylbenzene	10.0		1.0	ug/L	10.0	1.9	80	60-120		
2-Hexanone	10.3		5.0	ug/L	10.0	ND	103	60-120		
Methyl tert-butyl ether (MTBE)	11.2		1.0	ug/L	10.0	1.8	94	60-120		
4-Methyl-2-pentanone	10.6		5.0	ug/L	10.0	ND	106	60-120		
Methylene chloride	11.2	B	1.0	ug/L	10.0	ND	112	60-120		
Methyl methacrylate	8.6		5.0	ug/L	10.0	ND	86	60-120		
Styrene	9.7		1.0	ug/L	10.0	ND	97	60-120		
1,1,1,2-Tetrachloroethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,1,2,2-Tetrachloroethane	11.1		1.0	ug/L	10.0	ND	111	60-120		
Tetrachloroethene	10.0		1.0	ug/L	10.0	ND	100	60-120		
Toluene	10.3		1.0	ug/L	10.0	1.7	86	60-120		
1,1,1-Trichloroethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,1,2-Trichloroethane	11.5		1.0	ug/L	10.0	ND	115	60-120		
Trichloroethene	12.2		1.0	ug/L	10.0	6.3	59	60-120		
Trichlorofluoromethane (Freon 11)	6.3		1.0	ug/L	10.0	ND	63	60-120		
1,2,3-Trichloropropane	9.8		1.0	ug/L	10.0	ND	98	60-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003146 - GCMS-WATER-VOLATILES

Matrix Spike (B003146-MS1)	Source: 0030910-01		Prepared & Analyzed: 03/11/20							
Vinyl acetate	7.1	1.0	ug/L	10.0	ND	71	60-120			
Vinyl chloride	8.8	1.0	ug/L	10.0	ND	88	60-120			
o-Xylene	12.0	1.0	ug/L	10.0	8.3	37	60-120			
m- & p-Xylenes	23.3	1.0	ug/L	20.0	14.2	46	60-120			
Surrogate: 1,2-Dichloroethane-d4	47.85		ug/L	50.0		96	80-120			
Surrogate: Toluene-d8	50.88		ug/L	50.0		102	88-110			
Surrogate: 4-Bromofluorobenzene	51.47		ug/L	50.0		103	86-115			

Matrix Spike Dup (B003146-MSD1)	Source: 0030910-01		Prepared & Analyzed: 03/11/20							
Acetone	13.3	5.0	ug/L	10.0	4.4	89	60-120	14	15	
Benzene	16.7	1.0	ug/L	10.0	8.1	86	60-120	25	15	
Bromochloromethane	10.2	1.0	ug/L	10.0	ND	102	60-120	3	15	
Bromodichloromethane	8.9	1.0	ug/L	10.0	ND	89	60-120	12	15	
Bromoform	9.2	1.0	ug/L	10.0	ND	92	60-120	12	15	
Bromomethane	7.4	1.0	ug/L	10.0	ND	74	60-120	13	15	
2-Butanone (MEK)	10.8	5.0	ug/L	10.0	ND	108	60-120	12	15	
Carbon disulfide	8.6	1.0	ug/L	10.0	ND	86	60-120	14	15	
Carbon tetrachloride	8.5	1.0	ug/L	10.0	ND	85	60-120	12	15	
Chlorobenzene	8.9	1.0	ug/L	10.0	ND	89	60-120	12	15	
Chloroethane	6.0	1.0	ug/L	10.0	ND	60	60-120	10	15	
Chloroform	10.8	1.0	ug/L	10.0	2.5	83	60-120	5	15	
Chloromethane	10.1	1.0	ug/L	10.0	ND	101	60-120	0.3	15	
Dibromochloromethane	9.3	1.0	ug/L	10.0	ND	93	60-120	16	15	
1,2-Dibromo-3-chloropropane	9.9	1.0	ug/L	10.0	ND	99	60-120	14	15	
1,2-Dibromoethane (EDB)	9.6	1.0	ug/L	10.0	ND	96	60-120	9	15	
Dibromomethane	8.3	1.0	ug/L	10.0	ND	83	60-120	15	15	
1,2-Dichlorobenzene	8.2	1.0	ug/L	10.0	ND	82	60-120	13	15	
1,4-Dichlorobenzene	7.4	1.0	ug/L	10.0	ND	74	60-120	17	15	
1,1-Dichloroethane	9.4	1.0	ug/L	10.0	ND	94	60-120	9	15	
1,2-Dichloroethane	8.9	1.0	ug/L	10.0	ND	89	60-120	9	15	
1,1-Dichloroethene	8.8	1.0	ug/L	10.0	ND	88	60-120	18	15	
cis-1,2-Dichloroethene	9.3	1.0	ug/L	10.0	ND	93	60-120	7	15	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003146 - GCMS-WATER-VOLATILES

Matrix Spike Dup (B003146-MSD1)	Source: 0030910-01		Prepared & Analyzed: 03/11/20							
trans-1,2-Dichloroethene	8.9		1.0	ug/L	10.0	ND	89	60-120	13	15
1,2-Dichloropropane	9.3		1.0	ug/L	10.0	ND	93	60-120	10	15
1,3-Dichloropropane	9.6		1.0	ug/L	10.0	ND	96	60-120	14	15
2,2-Dichloropropane	6.4		1.0	ug/L	10.0	ND	64	60-120	19	15
1,1-Dichloropropene	7.8		1.0	ug/L	10.0	ND	78	60-120	17	15
cis-1,3-Dichloropropene	8.4		1.0	ug/L	10.0	ND	84	60-120	8	15
trans-1,3-Dichloropropene	8.2		1.0	ug/L	10.0	ND	82	60-120	14	15
Ethylbenzene	9.9		1.0	ug/L	10.0	1.9	80	60-120	0.7	15
2-Hexanone	9.4		5.0	ug/L	10.0	ND	94	60-120	9	15
Methyl tert-butyl ether (MTBE)	10.1		1.0	ug/L	10.0	1.8	83	60-120	10	15
4-Methyl-2-pentanone	9.3		5.0	ug/L	10.0	ND	93	60-120	12	15
Methylene chloride	10.2	B	1.0	ug/L	10.0	ND	102	60-120	9	15
Methyl methacrylate	7.5		5.0	ug/L	10.0	ND	75	60-120	13	15
Styrene	8.4		1.0	ug/L	10.0	ND	84	60-120	14	15
1,1,1,2-Tetrachloroethane	9.4		1.0	ug/L	10.0	ND	94	60-120	11	15
1,1,2,2-Tetrachloroethane	9.8		1.0	ug/L	10.0	ND	98	60-120	12	15
Tetrachloroethene	8.4		1.0	ug/L	10.0	ND	84	60-120	17	15
Toluene	9.8		1.0	ug/L	10.0	1.7	81	60-120	5	15
1,1,1-Trichloroethane	8.8		1.0	ug/L	10.0	ND	88	60-120	11	15
1,1,2-Trichloroethane	9.6		1.0	ug/L	10.0	ND	96	60-120	18	15
Trichloroethene	14.3		1.0	ug/L	10.0	6.3	81	60-120	17	15
Trichlorofluoromethane (Freon 11)	5.3		1.0	ug/L	10.0	ND	53	60-120	18	15
1,2,3-Trichloropropane	8.8		1.0	ug/L	10.0	ND	88	60-120	11	15
Vinyl acetate	6.3		1.0	ug/L	10.0	ND	63	60-120	12	15
Vinyl chloride	8.5		1.0	ug/L	10.0	ND	85	60-120	3	15
o-Xylene	15.9		1.0	ug/L	10.0	8.3	77	60-120	28	15
m- & p-Xylenes	29.7		1.0	ug/L	20.0	14.2	77	60-120	24	15
Surrogate: 1,2-Dichloroethane-d4	47.96			ug/L	50.0		96	80-120		
Surrogate: Toluene-d8	50.12			ug/L	50.0		100	88-110		
Surrogate: 4-Bromofluorobenzene	51.68			ug/L	50.0		103	86-115		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

Blank (B003289-BLK1)

Prepared & Analyzed: 03/18/20

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



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

Blank (B003289-BLK1)

Prepared & Analyzed: 03/18/20

1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	48.20			ug/L	50.0		96	80-120		
Surrogate: Toluene-d8	46.88			ug/L	50.0		94	88-110		
Surrogate: 4-Bromofluorobenzene	46.83			ug/L	50.0		94	86-115		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

LCS (B003289-BS1)

Prepared & Analyzed: 03/18/20

Acetone	7.2		5.0	ug/L	10.0		72	50-150		
Benzene	4.7		1.0	ug/L	5.00		94	50-150		
Bromochloromethane	5.8		1.0	ug/L	5.00		115	50-150		
Bromodichloromethane	4.3		1.0	ug/L	5.00		86	50-150		
Bromoform	5.9		1.0	ug/L	5.00		118	50-150		
Bromomethane	7.5		1.0	ug/L	5.00		149	50-150		
2-Butanone (MEK)	5.4		5.0	ug/L	10.0		54	50-150		
Carbon disulfide	5.9		1.0	ug/L	5.00		118	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.00		100	50-150		
Chlorobenzene	5.4		1.0	ug/L	5.00		107	50-150		
Chloroethane	6.1		1.0	ug/L	5.00		121	50-150		
Chloroform	5.0		1.0	ug/L	5.00		100	50-150		
Chloromethane	4.8		1.0	ug/L	5.00		96	50-150		
Dibromochloromethane	5.0		1.0	ug/L	5.00		100	50-150		
1,2-Dibromo-3-chloropropane	6.2		1.0	ug/L	5.00		123	50-150		
1,2-Dibromoethane (EDB)	5.4		1.0	ug/L	5.00		108	50-150		
Dibromomethane	4.7		1.0	ug/L	5.00		95	50-150		
1,2-Dichlorobenzene	5.2		1.0	ug/L	5.00		104	50-150		
1,4-Dichlorobenzene	5.3		1.0	ug/L	5.00		106	50-150		
1,1-Dichloroethane	4.6		1.0	ug/L	5.00		92	50-150		
1,2-Dichloroethane	4.3		1.0	ug/L	5.00		86	50-150		
1,1-Dichloroethene	6.7		1.0	ug/L	5.00		133	50-150		
cis-1,2-Dichloroethene	5.4		1.0	ug/L	5.00		108	50-150		
trans-1,2-Dichloroethene	5.4		1.0	ug/L	5.00		108	50-150		
1,2-Dichloropropane	4.3		1.0	ug/L	5.00		86	50-150		
1,3-Dichloropropane	4.6		1.0	ug/L	5.00		91	50-150		
2,2-Dichloropropane	4.4		1.0	ug/L	5.00		89	50-150		
1,1-Dichloropropene	4.5		1.0	ug/L	5.00		89	50-150		
cis-1,3-Dichloropropene	4.6		1.0	ug/L	5.00		91	50-150		
trans-1,3-Dichloropropene	4.4		1.0	ug/L	5.00		88	50-150		
Ethylbenzene	5.0		1.0	ug/L	5.00		100	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

LCS (B003289-BS1)

Prepared & Analyzed: 03/18/20

2-Hexanone	7.6		5.0	ug/L	10.0		76	50-150		
Methyl tert-butyl ether (MTBE)	4.0		1.0	ug/L	5.00		79	50-150		
4-Methyl-2-pentanone	8.1		5.0	ug/L	10.0		81	50-150		
Methylene chloride	5.8		1.0	ug/L	5.00		116	0-200		
Methyl methacrylate	3.7	J	5.0	ug/L	5.00		73	50-150		
Styrene	5.4		1.0	ug/L	5.00		109	50-150		
1,1,1,2-Tetrachloroethane	5.3		1.0	ug/L	5.00		107	50-150		
1,1,2,2-Tetrachloroethane	5.5		1.0	ug/L	5.00		110	50-150		
Tetrachloroethene	5.8		1.0	ug/L	5.00		116	50-150		
Toluene	4.7		1.0	ug/L	5.00		95	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1,2-Trichloroethane	5.8		1.0	ug/L	5.00		115	50-150		
Trichloroethene	5.3		1.0	ug/L	5.00		106	50-150		
Trichlorofluoromethane (Freon 11)	6.1		1.0	ug/L	5.00		121	50-150		
1,2,3-Trichloropropane	4.0		1.0	ug/L	5.00		80	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		79	50-150		
Vinyl chloride	4.7		1.0	ug/L	5.00		94	50-150		
o-Xylene	4.9		1.0	ug/L	5.00		97	50-150		
m- & p-Xylenes	9.8		1.0	ug/L	10.0		98	50-150		
Surrogate: 1,2-Dichloroethane-d4	42.88			ug/L	50.0		86	80-120		
Surrogate: Toluene-d8	47.59			ug/L	50.0		95	88-110		
Surrogate: 4-Bromofluorobenzene	50.38			ug/L	50.0		101	86-115		

Duplicate (B003289-DUP1)

Source: 0031027-05

Prepared & Analyzed: 03/19/20

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

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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

Duplicate (B003289-DUP1)	Source: 0031027-05	Prepared & Analyzed: 03/19/20			
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	11.8	1.0 ug/L	11.5	3	20
Chloroethane	ND	1.0 ug/L	ND		20
Chloroform	ND	1.0 ug/L	ND		20
Chloromethane	ND	1.0 ug/L	ND		20
Chloroprene	ND	1.0 ug/L	ND		20
Dibromochloromethane	ND	1.0 ug/L	ND		20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND		20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND		20
Dibromomethane	ND	1.0 ug/L	ND		20
1,2-Dichlorobenzene	1.0	1.0 ug/L	ND		20
1,4-Dichlorobenzene	5.3	1.0 ug/L	5.2	0.6	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	1.1		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



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

Duplicate (B003289-DUP1)	Source: 0031027-05	Prepared & Analyzed: 03/19/20			
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	46.64	ug/L	50.0	93	80-120
Surrogate: Toluene-d8	47.13	ug/L	50.0	94	88-110
Surrogate: 4-Bromofluorobenzene	46.11	ug/L	50.0	92	86-115

Matrix Spike (B003289-MS1)	Source: 0031027-04	Prepared & Analyzed: 03/19/20				
Acetone	12.5	5.0 ug/L	10.0	1.1	114	60-120
Benzene	9.1	1.0 ug/L	10.0	ND	91	60-120
Bromochloromethane	10.0	1.0 ug/L	10.0	ND	100	60-120
Bromodichloromethane	8.9	1.0 ug/L	10.0	ND	89	60-120
Bromoform	10.7	1.0 ug/L	10.0	ND	107	60-120
Bromomethane	11.9	1.0 ug/L	10.0	ND	119	60-120
2-Butanone (MEK)	8.4	5.0 ug/L	10.0	ND	84	60-120
Carbon disulfide	9.6	1.0 ug/L	10.0	ND	96	60-120
Carbon tetrachloride	9.7	1.0 ug/L	10.0	ND	97	60-120



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

Matrix Spike (B003289-MS1)	Source: 0031027-04			Prepared & Analyzed: 03/19/20						
Chlorobenzene	15.6		1.0	ug/L	10.0	6.0	96	60-120		
Chloroethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
Chloroform	9.1		1.0	ug/L	10.0	ND	91	60-120		
Chloromethane	8.4		1.0	ug/L	10.0	ND	84	60-120		
Dibromochloromethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,2-Dibromo-3-chloropropane	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,2-Dibromoethane (EDB)	9.1		1.0	ug/L	10.0	ND	91	60-120		
Dibromomethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,2-Dichlorobenzene	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,4-Dichlorobenzene	11.2		1.0	ug/L	10.0	2.0	92	60-120		
1,1-Dichloroethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,2-Dichloroethane	8.5		1.0	ug/L	10.0	ND	85	60-120		
1,1-Dichloroethene	11.0		1.0	ug/L	10.0	ND	110	60-120		
cis-1,2-Dichloroethene	9.3		1.0	ug/L	10.0	ND	93	60-120		
trans-1,2-Dichloroethene	9.1		1.0	ug/L	10.0	ND	91	60-120		
1,2-Dichloropropane	8.1		1.0	ug/L	10.0	ND	81	60-120		
1,3-Dichloropropane	9.0		1.0	ug/L	10.0	ND	90	60-120		
2,2-Dichloropropane	6.8		1.0	ug/L	10.0	ND	68	60-120		
1,1-Dichloropropene	8.9		1.0	ug/L	10.0	ND	89	60-120		
cis-1,3-Dichloropropene	7.6		1.0	ug/L	10.0	ND	76	60-120		
trans-1,3-Dichloropropene	8.0		1.0	ug/L	10.0	ND	80	60-120		
Ethylbenzene	9.1		1.0	ug/L	10.0	ND	91	60-120		
2-Hexanone	8.3		5.0	ug/L	10.0	ND	83	60-120		
Methyl tert-butyl ether (MTBE)	7.9		1.0	ug/L	10.0	ND	79	60-120		
4-Methyl-2-pentanone	8.3		5.0	ug/L	10.0	ND	83	60-120		
Methylene chloride	9.6		1.0	ug/L	10.0	ND	96	60-120		
Methyl methacrylate	6.9		5.0	ug/L	10.0	ND	69	60-120		
Styrene	9.1		1.0	ug/L	10.0	ND	91	60-120		
1,1,1,2-Tetrachloroethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
1,1,2,2-Tetrachloroethane	9.1		1.0	ug/L	10.0	ND	91	60-120		
Tetrachloroethene	11.1		1.0	ug/L	10.0	ND	111	60-120		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003289 - GCMS-WATER-VOLATILES

Matrix Spike (B003289-MS1)	Source: 0031027-04	Prepared & Analyzed: 03/19/20
Toluene	9.1	1.0 ug/L 10.0 ND 91 60-120
1,1,1-Trichloroethane	9.4	1.0 ug/L 10.0 ND 94 60-120
1,1,2-Trichloroethane	9.6	1.0 ug/L 10.0 ND 96 60-120
Trichloroethene	10.4	1.0 ug/L 10.0 ND 104 60-120
Trichlorofluoromethane (Freon 11)	10.9	1.0 ug/L 10.0 ND 109 60-120
1,2,3-Trichloropropane	7.6	1.0 ug/L 10.0 ND 76 60-120
Vinyl acetate	5.9	1.0 ug/L 10.0 ND 59 60-120
Vinyl chloride	9.8	1.0 ug/L 10.0 ND 98 60-120
o-Xylene	9.1	1.0 ug/L 10.0 ND 91 60-120
m- & p-Xylenes	19.6	1.0 ug/L 20.0 ND 98 60-120
Surrogate: 1,2-Dichloroethane-d4	45.15	ug/L 50.0 90 80-120
Surrogate: Toluene-d8	47.46	ug/L 50.0 95 88-110
Surrogate: 4-Bromofluorobenzene	48.35	ug/L 50.0 97 86-115

Batch B003344 - GCMS-WATER-VOLATILES

Blank (B003344-BLK1)	Prepared & Analyzed: 03/20/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L
Bromoform	ND 1.0 ug/L
Bromomethane	ND 1.0 ug/L
2-Butanone (MEK)	ND 5.0 ug/L
Carbon disulfide	ND 1.0 ug/L
Carbon tetrachloride	ND 1.0 ug/L
Chlorobenzene	ND 1.0 ug/L
Chloroethane	ND 1.0 ug/L
Chloroform	ND 1.0 ug/L
Chloromethane	ND 1.0 ug/L



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003344 - GCMS-WATER-VOLATILES

Blank (B003344-BLK1)

Prepared & Analyzed: 03/20/20

Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	1.6		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						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003344 - GCMS-WATER-VOLATILES

Blank (B003344-BLK1)

Prepared & Analyzed: 03/20/20

Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	53.87			ug/L	50.0		108	80-120		
<i>Surrogate: Toluene-d8</i>	48.01			ug/L	50.0		96	88-110		
<i>Surrogate: 4-Bromofluorobenzene</i>	47.23			ug/L	50.0		94	86-115		

LCS (B003344-BS1)

Prepared & Analyzed: 03/20/20

Acetone	9.7		5.0	ug/L	10.0		97	50-150		
Benzene	4.9		1.0	ug/L	5.00		99	50-150		
Bromochloromethane	6.1		1.0	ug/L	5.00		122	50-150		
Bromodichloromethane	5.1		1.0	ug/L	5.00		102	50-150		
Bromoform	5.2		1.0	ug/L	5.00		104	50-150		
Bromomethane	3.5		1.0	ug/L	5.00		70	50-150		
2-Butanone (MEK)	7.9		5.0	ug/L	10.0		79	50-150		
Carbon disulfide	6.1		1.0	ug/L	5.00		123	50-150		
Carbon tetrachloride	5.3		1.0	ug/L	5.00		106	50-150		
Chlorobenzene	5.2		1.0	ug/L	5.00		104	50-150		
Chloroethane	3.7		1.0	ug/L	5.00		74	50-150		
Chloroform	5.4		1.0	ug/L	5.00		107	50-150		
Chloromethane	5.8		1.0	ug/L	5.00		115	50-150		
Dibromochloromethane	5.2		1.0	ug/L	5.00		103	50-150		
1,2-Dibromo-3-chloropropane	5.8		1.0	ug/L	5.00		116	50-150		
1,2-Dibromoethane (EDB)	5.1		1.0	ug/L	5.00		102	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003344 - GCMS-WATER-VOLATILES

LCS (B003344-BS1)

Prepared & Analyzed: 03/20/20

Dibromomethane	4.9		1.0	ug/L	5.00		97	50-150		
1,2-Dichlorobenzene	5.5		1.0	ug/L	5.00		110	50-150		
1,4-Dichlorobenzene	5.8		1.0	ug/L	5.00		116	50-150		
1,1-Dichloroethane	5.3		1.0	ug/L	5.00		106	50-150		
1,2-Dichloroethane	5.1		1.0	ug/L	5.00		103	50-150		
1,1-Dichloroethene	6.2		1.0	ug/L	5.00		124	50-150		
cis-1,2-Dichloroethene	5.3		1.0	ug/L	5.00		106	50-150		
trans-1,2-Dichloroethene	5.5		1.0	ug/L	5.00		109	50-150		
1,2-Dichloropropane	5.0		1.0	ug/L	5.00		99	50-150		
1,3-Dichloropropane	5.2		1.0	ug/L	5.00		104	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.00		101	50-150		
1,1-Dichloropropene	5.0		1.0	ug/L	5.00		100	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
trans-1,3-Dichloropropene	4.8		1.0	ug/L	5.00		97	50-150		
Ethylbenzene	4.7		1.0	ug/L	5.00		95	50-150		
2-Hexanone	8.5		5.0	ug/L	10.0		85	50-150		
Methyl tert-butyl ether (MTBE)	4.3		1.0	ug/L	5.00		87	50-150		
4-Methyl-2-pentanone	8.4		5.0	ug/L	10.0		84	50-150		
Methylene chloride	8.0	B	1.0	ug/L	5.00		159	0-200		
Methyl methacrylate	4.2	J	5.0	ug/L	5.00		83	50-150		
Styrene	4.7		1.0	ug/L	5.00		94	50-150		
1,1,1,2-Tetrachloroethane	5.4		1.0	ug/L	5.00		109	50-150		
1,1,2,2-Tetrachloroethane	5.7		1.0	ug/L	5.00		113	50-150		
Tetrachloroethene	5.2		1.0	ug/L	5.00		104	50-150		
Toluene	4.9		1.0	ug/L	5.00		98	50-150		
1,1,1-Trichloroethane	5.1		1.0	ug/L	5.00		102	50-150		
1,1,2-Trichloroethane	4.9		1.0	ug/L	5.00		99	50-150		
Trichloroethene	5.6		1.0	ug/L	5.00		111	50-150		
Trichlorofluoromethane (Freon 11)	3.8		1.0	ug/L	5.00		75	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.00		101	50-150		
Vinyl acetate	3.4		1.0	ug/L	5.00		67	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003344 - GCMS-WATER-VOLATILES

LCS (B003344-BS1)

Prepared & Analyzed: 03/20/20

Vinyl chloride	5.0		1.0	ug/L	5.00		99	50-150		
o-Xylene	5.0		1.0	ug/L	5.00		99	50-150		
m- & p-Xylenes	9.5		1.0	ug/L	10.0		95	50-150		
Surrogate: 1,2-Dichloroethane-d4	49.59			ug/L	50.0		99	80-120		
Surrogate: Toluene-d8	48.91			ug/L	50.0		98	88-110		
Surrogate: 4-Bromofluorobenzene	50.64			ug/L	50.0		101	86-115		

Duplicate (B003344-DUP1)

Source: 0031224-03

Prepared & Analyzed: 03/20/20

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				20
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	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	9.6		1.0	ug/L		8.7			9	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	0.8	J	1.0	ug/L		0.6				20
1,4-Dichlorobenzene	4.8		1.0	ug/L		4.3			12	20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	0.7	J	1.0	ug/L		0.8				20



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003344 - GCMS-WATER-VOLATILES

Duplicate (B003344-DUP1)	Source: 0031224-03			Prepared & Analyzed: 03/20/20						
1,2-Dichloroethane	ND		1.0	ug/L		ND				20
1,1-Dichloroethene	ND		1.0	ug/L		ND				20
cis-1,2-Dichloroethene	5.3		1.0	ug/L		5.2		0.6		20
trans-1,2-Dichloroethene	0.5	J	1.0	ug/L		0.6				20
1,2-Dichloropropane	0.7	J	1.0	ug/L		0.5				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
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		1.1				20



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003344 - GCMS-WATER-VOLATILES

Duplicate (B003344-DUP1)		Source: 0031224-03		Prepared & Analyzed: 03/20/20						
o-Xylene	ND	1.0	ug/L	ND					20	
m- & p-Xylenes	ND	1.0	ug/L	ND					20	
Surrogate: 1,2-Dichloroethane-d4	53.75		ug/L	50.0		108		80-120		
Surrogate: Toluene-d8	47.88		ug/L	50.0		96		88-110		
Surrogate: 4-Bromofluorobenzene	47.09		ug/L	50.0		94		86-115		

Matrix Spike (B003344-MS1)		Source: 0031224-02		Prepared & Analyzed: 03/20/20						
Acetone	11.5	5.0	ug/L	10.0	ND	115		60-120		
Benzene	9.5	1.0	ug/L	10.0	ND	95		76-120		
Bromochloromethane	9.9	1.0	ug/L	10.0	ND	99		60-120		
Bromodichloromethane	9.4	1.0	ug/L	10.0	ND	94		60-120		
Bromoform	10.9	1.0	ug/L	10.0	ND	109		60-120		
Bromomethane	5.2	1.0	ug/L	10.0	ND	52		60-120		
2-Butanone (MEK)	8.6	5.0	ug/L	10.0	ND	86		60-120		
Carbon disulfide	7.6	1.0	ug/L	10.0	ND	76		60-120		
Carbon tetrachloride	10.2	1.0	ug/L	10.0	ND	102		60-120		
Chlorobenzene	10.8	1.0	ug/L	10.0	1.0	98		75-120		
Chloroethane	6.0	1.0	ug/L	10.0	ND	60		60-120		
Chloroform	10.4	1.0	ug/L	10.0	ND	104		60-120		
Chloromethane	9.6	1.0	ug/L	10.0	ND	96		60-120		
Dibromochloromethane	9.6	1.0	ug/L	10.0	ND	96		60-120		
1,2-Dibromo-3-chloropropane	9.2	1.0	ug/L	10.0	ND	92		60-120		
1,2-Dibromoethane (EDB)	9.7	1.0	ug/L	10.0	ND	97		60-120		
Dibromomethane	9.5	1.0	ug/L	10.0	ND	95		60-120		
1,2-Dichlorobenzene	9.3	1.0	ug/L	10.0	ND	93		60-120		
1,4-Dichlorobenzene	10.6	1.0	ug/L	10.0	1.1	96		60-120		
1,1-Dichloroethane	14.2	1.0	ug/L	10.0	4.9	93		60-120		
1,2-Dichloroethane	9.3	1.0	ug/L	10.0	ND	93		60-120		
1,1-Dichloroethene	8.4	1.0	ug/L	10.0	ND	84		61-120		
cis-1,2-Dichloroethene	22.5	1.0	ug/L	10.0	14.9	77		60-120		
trans-1,2-Dichloroethene	10.3	1.0	ug/L	10.0	0.7	95		60-120		
1,2-Dichloropropane	10.1	1.0	ug/L	10.0	0.6	94		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.

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003344 - GCMS-WATER-VOLATILES

Matrix Spike (B003344-MS1)	Source: 0031224-02			Prepared & Analyzed: 03/20/20						
1,3-Dichloropropane	9.7		1.0	ug/L	10.0	ND	97	60-120		
2,2-Dichloropropane	7.8		1.0	ug/L	10.0	ND	78	60-120		
1,1-Dichloropropene	8.9		1.0	ug/L	10.0	ND	89	60-120		
cis-1,3-Dichloropropene	8.2		1.0	ug/L	10.0	ND	82	60-120		
trans-1,3-Dichloropropene	8.4		1.0	ug/L	10.0	ND	84	60-120		
Ethylbenzene	9.2		1.0	ug/L	10.0	ND	92	60-120		
2-Hexanone	9.9		5.0	ug/L	10.0	ND	99	60-120		
Methyl tert-butyl ether (MTBE)	9.0		1.0	ug/L	10.0	0.7	83	60-120		
4-Methyl-2-pentanone	9.3		5.0	ug/L	10.0	ND	93	60-120		
Methylene chloride	11.4	B	1.0	ug/L	10.0	1.4	100	60-120		
Methyl methacrylate	8.2		5.0	ug/L	10.0	ND	82	60-120		
Styrene	8.5		1.0	ug/L	10.0	ND	85	60-120		
1,1,1,2-Tetrachloroethane	10.3		1.0	ug/L	10.0	ND	103	60-120		
1,1,2,2-Tetrachloroethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
Tetrachloroethene	12.7		1.0	ug/L	10.0	2.2	105	60-120		
Toluene	9.4		1.0	ug/L	10.0	ND	94	76-120		
1,1,1-Trichloroethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,1,2-Trichloroethane	10.3		1.0	ug/L	10.0	ND	103	60-120		
Trichloroethene	14.7		1.0	ug/L	10.0	4.8	99	71-120		
Trichlorofluoromethane (Freon 11)	7.2		1.0	ug/L	10.0	ND	72	60-120		
1,2,3-Trichloropropane	8.6		1.0	ug/L	10.0	ND	86	60-120		
Vinyl acetate	6.4		1.0	ug/L	10.0	ND	64	60-120		
Vinyl chloride	8.5		1.0	ug/L	10.0	0.8	76	60-120		
o-Xylene	9.0		1.0	ug/L	10.0	ND	90	60-120		
m- & p-Xylenes	18.5		1.0	ug/L	20.0	ND	92	60-120		
Surrogate: 1,2-Dichloroethane-d4	48.42			ug/L	50.0		97	80-120		
Surrogate: Toluene-d8	48.77			ug/L	50.0		98	88-110		
Surrogate: 4-Bromofluorobenzene	51.74			ug/L	50.0		103	86-115		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

Blank (B003357-BLK1)

Prepared & Analyzed: 03/21/20

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



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

Blank (B003357-BLK1)

Prepared & Analyzed: 03/21/20

1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	49.60			ug/L	50.0		99	80-120		
Surrogate: Toluene-d8	51.15			ug/L	50.0		102	88-110		
Surrogate: 4-Bromofluorobenzene	49.22			ug/L	50.0		98	86-115		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

LCS (B003357-BS1)

Prepared & Analyzed: 03/21/20

Acetone	5.9		5.0	ug/L	10.0		59	50-150		
Benzene	4.5		1.0	ug/L	5.00		90	50-150		
Bromochloromethane	5.3		1.0	ug/L	5.00		106	50-150		
Bromodichloromethane	4.5		1.0	ug/L	5.00		91	50-150		
Bromoform	4.6		1.0	ug/L	5.00		92	50-150		
Bromomethane	5.4		1.0	ug/L	5.00		109	50-150		
2-Butanone (MEK)	7.8		5.0	ug/L	10.0		78	50-150		
Carbon disulfide	4.9		1.0	ug/L	5.00		98	50-150		
Carbon tetrachloride	4.7		1.0	ug/L	5.00		94	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
Chloroethane	4.3		1.0	ug/L	5.00		87	50-150		
Chloroform	4.7		1.0	ug/L	5.00		93	50-150		
Chloromethane	4.6		1.0	ug/L	5.00		93	50-150		
Dibromochloromethane	4.9		1.0	ug/L	5.00		97	50-150		
1,2-Dibromo-3-chloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dibromoethane (EDB)	5.0		1.0	ug/L	5.00		100	50-150		
Dibromomethane	4.8		1.0	ug/L	5.00		96	50-150		
1,2-Dichlorobenzene	4.8		1.0	ug/L	5.00		96	50-150		
1,4-Dichlorobenzene	5.1		1.0	ug/L	5.00		102	50-150		
1,1-Dichloroethane	4.8		1.0	ug/L	5.00		95	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		97	50-150		
1,1-Dichloroethene	4.6		1.0	ug/L	5.00		93	50-150		
cis-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		97	50-150		
trans-1,2-Dichloroethene	4.8		1.0	ug/L	5.00		95	50-150		
1,2-Dichloropropane	4.6		1.0	ug/L	5.00		93	50-150		
1,3-Dichloropropane	5.1		1.0	ug/L	5.00		102	50-150		
2,2-Dichloropropane	4.9		1.0	ug/L	5.00		99	50-150		
1,1-Dichloropropene	4.6		1.0	ug/L	5.00		91	50-150		
cis-1,3-Dichloropropene	5.0		1.0	ug/L	5.00		101	50-150		
trans-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
Ethylbenzene	4.7		1.0	ug/L	5.00		95	50-150		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

LCS (B003357-BS1)

Prepared & Analyzed: 03/21/20

2-Hexanone	7.3		5.0	ug/L	10.0		73	50-150		
Methyl tert-butyl ether (MTBE)	4.2		1.0	ug/L	5.00		83	50-150		
4-Methyl-2-pentanone	7.9		5.0	ug/L	10.0		79	50-150		
Methylene chloride	4.7		1.0	ug/L	5.00		94	0-200		
Methyl methacrylate	4.2	J	5.0	ug/L	5.00		84	50-150		
Styrene	4.6		1.0	ug/L	5.00		91	50-150		
1,1,1,2-Tetrachloroethane	4.8		1.0	ug/L	5.00		96	50-150		
1,1,2,2-Tetrachloroethane	4.8		1.0	ug/L	5.00		96	50-150		
Tetrachloroethene	4.8		1.0	ug/L	5.00		97	50-150		
Toluene	5.1		1.0	ug/L	5.00		102	50-150		
1,1,1-Trichloroethane	4.5		1.0	ug/L	5.00		90	50-150		
1,1,2-Trichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
Trichloroethene	4.6		1.0	ug/L	5.00		91	50-150		
Trichlorofluoromethane (Freon 11)	4.6		1.0	ug/L	5.00		93	50-150		
1,2,3-Trichloropropane	4.8		1.0	ug/L	5.00		96	50-150		
Vinyl acetate	3.0		1.0	ug/L	5.00		60	50-150		
Vinyl chloride	4.4		1.0	ug/L	5.00		89	50-150		
o-Xylene	4.5		1.0	ug/L	5.00		90	50-150		
m- & p-Xylenes	9.3		1.0	ug/L	10.0		93	50-150		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.81</i>			<i>ug/L</i>	<i>50.0</i>		<i>96</i>	<i>80-120</i>		
<i>Surrogate: Toluene-d8</i>	<i>52.92</i>			<i>ug/L</i>	<i>50.0</i>		<i>106</i>	<i>88-110</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>50.17</i>			<i>ug/L</i>	<i>50.0</i>		<i>100</i>	<i>86-115</i>		

Duplicate (B003357-DUP1)

Source: 0031614-03

Prepared & Analyzed: 03/21/20

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



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

Duplicate (B003357-DUP1)	Source: 0031614-03	Prepared & Analyzed: 03/21/20			
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	1.1	1.0 ug/L	1.1	3	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	
Iodomethane	ND	1.0 ug/L	ND	20	



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

Duplicate (B003357-DUP1)	Source: 0031614-03	Prepared & Analyzed: 03/21/20			
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	50.38	ug/L	50.0	101	80-120
Surrogate: Toluene-d8	48.84	ug/L	50.0	98	88-110
Surrogate: 4-Bromofluorobenzene	49.74	ug/L	50.0	99	86-115

Matrix Spike (B003357-MS1)	Source: 0031614-02	Prepared & Analyzed: 03/21/20				
Acetone	9.6	5.0 ug/L	10.0	ND	96	60-120
Benzene	9.5	1.0 ug/L	10.0	ND	95	60-120
Bromochloromethane	10.4	1.0 ug/L	10.0	ND	104	60-120
Bromodichloromethane	9.6	1.0 ug/L	10.0	ND	96	60-120
Bromoform	9.0	1.0 ug/L	10.0	ND	90	60-120
Bromomethane	8.1	1.0 ug/L	10.0	ND	81	60-120
2-Butanone (MEK)	9.5	5.0 ug/L	10.0	ND	95	60-120
Carbon disulfide	8.5	1.0 ug/L	10.0	ND	85	60-120
Carbon tetrachloride	9.5	1.0 ug/L	10.0	ND	95	60-120



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

Matrix Spike (B003357-MS1)	Source: 0031614-02		Prepared & Analyzed: 03/21/20							
Chlorobenzene	9.8	1.0	ug/L	10.0	ND	98	60-120			
Chloroethane	8.5	1.0	ug/L	10.0	ND	85	60-120			
Chloroform	9.6	1.0	ug/L	10.0	ND	96	60-120			
Chloromethane	7.4	1.0	ug/L	10.0	ND	74	60-120			
Dibromochloromethane	9.7	1.0	ug/L	10.0	ND	97	60-120			
1,2-Dibromo-3-chloropropane	9.1	1.0	ug/L	10.0	ND	91	60-120			
1,2-Dibromoethane (EDB)	9.9	1.0	ug/L	10.0	ND	99	60-120			
Dibromomethane	9.7	1.0	ug/L	10.0	ND	97	60-120			
1,2-Dichlorobenzene	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,4-Dichlorobenzene	9.8	1.0	ug/L	10.0	ND	98	60-120			
1,1-Dichloroethane	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,2-Dichloroethane	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,1-Dichloroethene	8.5	1.0	ug/L	10.0	ND	85	60-120			
cis-1,2-Dichloroethene	10.2	1.0	ug/L	10.0	ND	102	60-120			
trans-1,2-Dichloroethene	9.2	1.0	ug/L	10.0	ND	92	60-120			
1,2-Dichloropropane	9.6	1.0	ug/L	10.0	ND	96	60-120			
1,3-Dichloropropane	10.1	1.0	ug/L	10.0	ND	101	60-120			
2,2-Dichloropropane	6.6	1.0	ug/L	10.0	ND	66	60-120			
1,1-Dichloropropene	9.0	1.0	ug/L	10.0	ND	90	60-120			
cis-1,3-Dichloropropene	8.7	1.0	ug/L	10.0	ND	87	60-120			
trans-1,3-Dichloropropene	8.7	1.0	ug/L	10.0	ND	87	60-120			
Ethylbenzene	9.4	1.0	ug/L	10.0	ND	94	60-120			
2-Hexanone	7.8	5.0	ug/L	10.0	ND	78	60-120			
Methyl tert-butyl ether (MTBE)	8.1	1.0	ug/L	10.0	ND	81	60-120			
4-Methyl-2-pentanone	8.4	5.0	ug/L	10.0	ND	84	60-120			
Methylene chloride	8.8	1.0	ug/L	10.0	ND	88	60-120			
Methyl methacrylate	7.7	5.0	ug/L	10.0	ND	77	60-120			
Styrene	7.9	1.0	ug/L	10.0	ND	79	60-120			
1,1,1,2-Tetrachloroethane	9.9	1.0	ug/L	10.0	ND	99	60-120			
1,1,2,2-Tetrachloroethane	10.0	1.0	ug/L	10.0	ND	100	60-120			
Tetrachloroethene	9.4	1.0	ug/L	10.0	ND	94	60-120			



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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 B003357 - GCMS-WATER-VOLATILES

Matrix Spike (B003357-MS1)	Source: 0031614-02	Prepared & Analyzed: 03/21/20
Toluene	10.0	1.0 ug/L 10.0 ND 100 60-120
1,1,1-Trichloroethane	9.2	1.0 ug/L 10.0 ND 92 60-120
1,1,2-Trichloroethane	10.0	1.0 ug/L 10.0 ND 100 60-120
Trichloroethene	9.5	1.0 ug/L 10.0 ND 95 60-120
Trichlorofluoromethane (Freon 11)	9.0	1.0 ug/L 10.0 ND 90 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.0 ND 101 60-120
Vinyl acetate	5.1	1.0 ug/L 10.0 ND 51 60-120
Vinyl chloride	8.6	1.0 ug/L 10.0 ND 86 60-120
o-Xylene	8.6	1.0 ug/L 10.0 ND 86 60-120
m- & p-Xylenes	18.9	1.0 ug/L 20.0 ND 94 60-120
Surrogate: 1,2-Dichloroethane-d4	48.38	ug/L 50.0 97 80-120
Surrogate: Toluene-d8	51.86	ug/L 50.0 104 88-110
Surrogate: 4-Bromofluorobenzene	50.84	ug/L 50.0 102 86-115



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003058 - 3010A-Metals Digestion

Blank (B003058-BLK1)

Prepared: 03/03/20 Analyzed: 03/04/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	10.9	J	100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

LCS (B003058-BS1)

Prepared: 03/03/20 Analyzed: 03/04/20

Antimony	44.6		1.00	ug/L	50.0		89	80-120		
Arsenic	47.5		1.00	ug/L	50.0		95	80-120		
Barium	46.2		1.00	ug/L	50.0		92	80-120		
Beryllium	42.9		1.00	ug/L	50.0		86	80-120		
Cadmium	45.0		1.00	ug/L	50.0		90	80-120		
Calcium	4890		80.0	ug/L	5000		98	80-120		
Chromium	45.6		1.00	ug/L	50.0		91	80-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003058 - 3010A-Metals Digestion

LCS (B003058-BS1)

Prepared: 03/03/20 Analyzed: 03/04/20

Cobalt	46.5		1.00	ug/L	50.0		93	80-120		
Copper	45.6		1.00	ug/L	50.0		91	80-120		
Iron	4780		100	ug/L	5000		96	80-120		
Lead	45.9		1.00	ug/L	50.0		92	80-120		
Magnesium	4870		100	ug/L	5000		97	80-120		
Manganese	48.1		1.00	ug/L	50.0		96	80-120		
Mercury	2.46		0.100	ug/L	2.50		98	80-120		
Nickel	47.1		1.00	ug/L	50.0		94	80-120		
Potassium	4950		100	ug/L	5000		99	80-120		
Selenium	50.2		1.00	ug/L	50.0		100	80-120		
Silver	26.9		1.00	ug/L	50.0		54	80-120		
Sodium	4970		100	ug/L	5000		99	80-120		
Thallium	46.7		1.00	ug/L	50.0		93	80-120		
Vanadium	44.6		1.00	ug/L	50.0		89	80-120		
Zinc	95.1		4.00	ug/L	100		95	80-120		

Duplicate (B003058-DUP1)

Source: 0030222-01

Prepared: 03/03/20 Analyzed: 03/04/20

Hardness as CaCO3	490000		500	ug/L		491000		0.3		200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	38.5		1.00	ug/L		38.2		0.7		200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	119000	Ea	80.0	ug/L		130000		9		200
Chromium	1.63		1.00	ug/L		1.75		7		200
Cobalt	ND		1.00	ug/L		ND				200
Copper	1.76		1.00	ug/L		1.82		3		200
Iron	225		100	ug/L		246		9		200
Lead	ND		1.00	ug/L		ND				200
Magnesium	46500		100	ug/L		46800		0.6		200
Manganese	101		1.00	ug/L		101		0.5		200
Mercury	0.245		0.100	ug/L		0.239		2		200



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003058 - 3010A-Metals Digestion

Duplicate (B003058-DUP1)		Source: 0030222-01		Prepared: 03/03/20		Analyzed: 03/04/20		
Nickel	1.88		1.00	ug/L	1.81		4	200
Potassium	3660		100	ug/L	3670		0.2	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	24700		100	ug/L	24800		0.2	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	1.04			200
Zinc	ND		4.00	ug/L	ND			200

Matrix Spike (B003058-MS1)		Source: 0030222-01		Prepared: 03/03/20		Analyzed: 03/04/20		
Antimony	46.6		1.00	ug/L	50.0	ND	93	60-140
Arsenic	46.9		1.00	ug/L	50.0	ND	94	60-140
Barium	85.8		1.00	ug/L	50.0	38.2	95	60-140
Beryllium	44.1		1.00	ug/L	50.0	ND	88	60-140
Cadmium	45.5		1.00	ug/L	50.0	ND	91	60-140
Calcium	123000	Ea	80.0	ug/L	5000	130000	NR	60-140
Chromium	47.3		1.00	ug/L	50.0	1.75	91	60-140
Cobalt	44.9		1.00	ug/L	50.0	ND	90	60-140
Copper	46.7		1.00	ug/L	50.0	1.82	90	60-140
Iron	4940		100	ug/L	5000	246	94	60-140
Lead	47.3		1.00	ug/L	50.0	ND	95	60-140
Magnesium	51000		100	ug/L	5000	46800	84	60-140
Manganese	147		1.00	ug/L	50.0	101	92	60-140
Mercury	2.82		0.100	ug/L	2.50	0.239	103	60-140
Nickel	46.1		1.00	ug/L	50.0	1.81	89	60-140
Potassium	8550		100	ug/L	5000	3670	98	60-140
Selenium	47.5		1.00	ug/L	50.0	ND	95	60-140
Silver	27.8		1.00	ug/L	50.0	ND	56	60-140
Sodium	29500		100	ug/L	5000	24800	95	60-140
Thallium	48.3		1.00	ug/L	50.0	ND	97	60-140
Vanadium	46.2		1.00	ug/L	50.0	1.04	90	60-140
Zinc	95.7		4.00	ug/L	100	ND	96	60-140



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003106 - 3010A-Metals Digestion

Blank (B003106-BLK1)

Prepared: 03/06/20 Analyzed: 03/09/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	112	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 (B003106-BS1)

Prepared: 03/06/20 Analyzed: 03/09/20

Antimony	45.8		1.00	ug/L	50.0		92	80-120		
Arsenic	47.9		1.00	ug/L	50.0		96	80-120		
Barium	46.8		1.00	ug/L	50.0		94	80-120		
Beryllium	45.9		1.00	ug/L	50.0		92	80-120		
Cadmium	46.9		1.00	ug/L	50.0		94	80-120		
Calcium	5000	B	80.0	ug/L	5000		100	80-120		
Chromium	47.5		1.00	ug/L	50.0		95	80-120		



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.

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003106 - 3010A-Metals Digestion

LCS (B003106-BS1)

Prepared: 03/06/20 Analyzed: 03/09/20

Cobalt	47.7		1.00	ug/L	50.0		95	80-120		
Copper	48.3		1.00	ug/L	50.0		97	80-120		
Iron	4930		100	ug/L	5000		99	80-120		
Lead	46.4		1.00	ug/L	50.0		93	80-120		
Magnesium	4780		100	ug/L	5000		96	80-120		
Manganese	49.0		1.00	ug/L	50.0		98	80-120		
Mercury	2.47		0.100	ug/L	2.50		99	80-120		
Nickel	48.9		1.00	ug/L	50.0		98	80-120		
Potassium	4900		100	ug/L	5000		98	80-120		
Selenium	48.3		1.00	ug/L	50.0		97	80-120		
Silver	24.4		1.00	ug/L	50.0		49	80-120		
Sodium	5010		100	ug/L	5000		100	80-120		
Thallium	47.8		1.00	ug/L	50.0		96	80-120		
Vanadium	46.5		1.00	ug/L	50.0		93	80-120		
Zinc	98.1		4.00	ug/L	100		98	80-120		

Duplicate (B003106-DUP1)

Source: 0030418-01

Prepared: 03/06/20 Analyzed: 03/09/20

Hardness as CaCO3	29900		500	ug/L		29500			1	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	1.51		1.00	ug/L		1.58			5	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	5550	B	80.0	ug/L		5510			0.7	200
Chromium	3.13		1.00	ug/L		3.03			3	200
Cobalt	ND		1.00	ug/L		ND				200
Copper	ND		1.00	ug/L		ND				200
Iron	117		100	ug/L		116			1	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	3900		100	ug/L		3820			2	200
Manganese	3.57		1.00	ug/L		3.59			0.7	200
Mercury	ND		0.100	ug/L		ND				200



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003106 - 3010A-Metals Digestion

Duplicate (B003106-DUP1)		Source: 0030418-01		Prepared: 03/06/20		Analyzed: 03/09/20		
Nickel	1.80		1.00	ug/L	1.97		9	200
Potassium	1030		100	ug/L	1040		0.7	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	7660		100	ug/L	7540		2	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	ND		4.00	ug/L	ND			200

Matrix Spike (B003106-MS1)		Source: 0030418-01		Prepared: 03/06/20		Analyzed: 03/09/20		
Antimony	46.1		1.00	ug/L	50.0	ND	92	60-140
Arsenic	48.6		1.00	ug/L	50.0	ND	97	60-140
Barium	48.5		1.00	ug/L	50.0	1.58	94	60-140
Beryllium	48.4		1.00	ug/L	50.0	ND	97	60-140
Cadmium	47.0		1.00	ug/L	50.0	ND	94	60-140
Calcium	10700	B	80.0	ug/L	5000	5510	103	60-140
Chromium	51.0		1.00	ug/L	50.0	3.03	96	60-140
Cobalt	48.5		1.00	ug/L	50.0	ND	97	60-140
Copper	49.1		1.00	ug/L	50.0	ND	98	60-140
Iron	5130		100	ug/L	5000	116	100	60-140
Lead	47.4		1.00	ug/L	50.0	ND	95	60-140
Magnesium	8820		100	ug/L	5000	3820	100	60-140
Manganese	53.6		1.00	ug/L	50.0	3.59	100	60-140
Mercury	2.57		0.100	ug/L	2.50	ND	103	60-140
Nickel	50.2		1.00	ug/L	50.0	1.97	96	60-140
Potassium	5970		100	ug/L	5000	1040	99	60-140
Selenium	48.7		1.00	ug/L	50.0	ND	97	60-140
Silver	24.8		1.00	ug/L	50.0	ND	50	60-140
Sodium	12700		100	ug/L	5000	7540	103	60-140
Thallium	48.7		1.00	ug/L	50.0	ND	97	60-140
Vanadium	48.1		1.00	ug/L	50.0	ND	96	60-140
Zinc	99.4		4.00	ug/L	100	ND	99	60-140



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003154 - 3010A-Metals Digestion

Blank (B003154-BLK1)

Prepared: 03/10/20 Analyzed: 03/11/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	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 (B003154-BS1)

Prepared: 03/10/20 Analyzed: 03/11/20

Antimony	45.9		1.00	ug/L	50.0		92	80-120		
Arsenic	47.4		1.00	ug/L	50.0		95	80-120		
Barium	47.4		1.00	ug/L	50.0		95	80-120		
Beryllium	47.7		1.00	ug/L	50.0		95	80-120		
Cadmium	48.1		1.00	ug/L	50.0		96	80-120		
Calcium	4700		80.0	ug/L	5000		94	80-120		
Chromium	48.3		1.00	ug/L	50.0		97	80-120		



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.

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003154 - 3010A-Metals Digestion

LCS (B003154-BS1)

Prepared: 03/10/20 Analyzed: 03/11/20

Cobalt	49.2		1.00	ug/L	50.0		98	80-120		
Copper	49.5		1.00	ug/L	50.0		99	80-120		
Iron	5140		100	ug/L	5000		103	80-120		
Lead	46.2		1.00	ug/L	50.0		92	80-120		
Magnesium	4830		100	ug/L	5000		97	80-120		
Manganese	48.8		1.00	ug/L	50.0		98	80-120		
Mercury	2.37		0.100	ug/L	2.50		95	80-120		
Nickel	49.8		1.00	ug/L	50.0		100	80-120		
Potassium	4790		100	ug/L	5000		96	80-120		
Selenium	47.5		1.00	ug/L	50.0		95	80-120		
Silver	40.5		1.00	ug/L	50.0		81	80-120		
Sodium	5130		100	ug/L	5000		103	80-120		
Thallium	47.3		1.00	ug/L	50.0		95	80-120		
Vanadium	46.5		1.00	ug/L	50.0		93	80-120		
Zinc	98.7		4.00	ug/L	100		99	80-120		

Duplicate (B003154-DUP1)

Source: 0030917-01

Prepared: 03/10/20 Analyzed: 03/11/20

Hardness as CaCO3	322000		500	ug/L		355000			10	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	75.4		1.00	ug/L		73.9			2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	72900		80.0	ug/L		81000			11	200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	ND		1.00	ug/L		ND				200
Copper	ND		1.00	ug/L		ND				200
Iron	15.4	J	100	ug/L		15.5			0.5	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	34000		100	ug/L		37100			9	200
Manganese	37.3		1.00	ug/L		36.9			0.9	200
Mercury	0.213		0.100	ug/L		0.217			2	200



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003154 - 3010A-Metals Digestion

Duplicate (B003154-DUP1)		Source: 0030917-01		Prepared: 03/10/20		Analyzed: 03/11/20		
Nickel	2.15		1.00	ug/L	2.03		6	200
Potassium	3540		100	ug/L	3510		0.8	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	20500		100	ug/L	20400		0.4	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	ND		4.00	ug/L	ND			200

Matrix Spike (B003154-MS1)		Source: 0030917-07		Prepared: 03/10/20		Analyzed: 03/11/20		
Antimony	49.3		1.00	ug/L	50.0	ND	99	60-140
Arsenic	52.0		1.00	ug/L	50.0	2.64	99	60-140
Barium	615		1.00	ug/L	50.0	570	91	60-140
Beryllium	50.2		1.00	ug/L	50.0	ND	100	60-140
Cadmium	49.6		1.00	ug/L	50.0	ND	99	60-140
Calcium	128000	QM-4X, Ea	80.0	ug/L	5000	139000	NR	60-140
Chromium	53.0		1.00	ug/L	50.0	4.11	98	60-140
Cobalt	56.4		1.00	ug/L	50.0	7.55	98	60-140
Copper	49.8		1.00	ug/L	50.0	1.18	97	60-140
Iron	27400		100	ug/L	5000	22500	99	60-140
Lead	49.6		1.00	ug/L	50.0	ND	99	60-140
Magnesium	159000	QM-4X, Ea	100	ug/L	5000	180000	NR	60-140
Manganese	2380	QM-4X, Ea	1.00	ug/L	50.0	2510	NR	60-140
Mercury	2.67		0.100	ug/L	2.50	ND	107	60-140
Nickel	64.7		1.00	ug/L	50.0	15.0	99	60-140
Potassium	94700		100	ug/L	5000	89900	96	60-140
Selenium	48.5		1.00	ug/L	50.0	ND	97	60-140
Silver	38.7		1.00	ug/L	50.0	ND	77	60-140
Sodium	325000	QM-4X, Ea	100	ug/L	5000	360000	NR	60-140
Thallium	50.7		1.00	ug/L	50.0	ND	101	60-140
Vanadium	51.0		1.00	ug/L	50.0	2.03	98	60-140
Zinc	114		4.00	ug/L	100	16.7	97	60-140



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003192 - 3010A-Metals Digestion

Blank (B003192-BLK1)

Prepared: 03/11/20 Analyzed: 03/12/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

LCS (B003192-BS1)

Prepared: 03/11/20 Analyzed: 03/12/20

Antimony	46.9		1.00	ug/L	50.0		94	80-120		
Arsenic	49.1		1.00	ug/L	50.0		98	80-120		
Barium	48.2		1.00	ug/L	50.0		96	80-120		
Beryllium	46.4		1.00	ug/L	50.0		93	80-120		
Cadmium	49.2		1.00	ug/L	50.0		98	80-120		
Calcium	4860		80.0	ug/L	5000		97	80-120		
Chromium	48.9		1.00	ug/L	50.0		98	80-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003192 - 3010A-Metals Digestion

LCS (B003192-BS1)

Prepared: 03/11/20 Analyzed: 03/12/20

Cobalt	50.0		1.00	ug/L	50.0		100	80-120		
Copper	50.2		1.00	ug/L	50.0		100	80-120		
Iron	5060		100	ug/L	5000		101	80-120		
Lead	47.5		1.00	ug/L	50.0		95	80-120		
Magnesium	5060		100	ug/L	5000		101	80-120		
Manganese	50.5		1.00	ug/L	50.0		101	80-120		
Mercury	2.47		0.100	ug/L	2.50		99	80-120		
Nickel	50.6		1.00	ug/L	50.0		101	80-120		
Potassium	5010		100	ug/L	5000		100	80-120		
Selenium	49.3		1.00	ug/L	50.0		99	80-120		
Silver	43.1		1.00	ug/L	50.0		86	80-120		
Sodium	5300		100	ug/L	5000		106	80-120		
Thallium	49.0		1.00	ug/L	50.0		98	80-120		
Vanadium	47.8		1.00	ug/L	50.0		96	80-120		
Zinc	102		4.00	ug/L	100		102	80-120		

Duplicate (B003192-DUP1)

Source: 0031027-01

Prepared: 03/11/20 Analyzed: 03/12/20

Hardness as CaCO3	146000		500	ug/L		150000			3	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	82.8		1.00	ug/L		84.7			2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	27700		80.0	ug/L		28600			3	200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	1.09		1.00	ug/L		1.11			2	200
Copper	ND		1.00	ug/L		ND				200
Iron	374		100	ug/L		364			3	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	18600		100	ug/L		19100			3	200
Manganese	152		1.00	ug/L		155			2	200
Mercury	ND		0.100	ug/L		ND				200



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003192 - 3010A-Metals Digestion

Duplicate (B003192-DUP1)		Source: 0031027-01		Prepared: 03/11/20		Analyzed: 03/12/20		
Nickel	8.82		1.00	ug/L	8.83		0.2	200
Potassium	1850		100	ug/L	1930		4	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	30200		100	ug/L	31200		3	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	17.6		4.00	ug/L	17.9		2	200

Matrix Spike (B003192-MS1)		Source: 0031027-07		Prepared: 03/11/20		Analyzed: 03/12/20		
Antimony	48.9		1.00	ug/L	50.0	ND	98	60-140
Arsenic	51.0		1.00	ug/L	50.0	2.20	98	60-140
Barium	510		1.00	ug/L	50.0	454	111	60-140
Beryllium	47.0		1.00	ug/L	50.0	ND	94	60-140
Cadmium	49.3		1.00	ug/L	50.0	ND	99	60-140
Calcium	80600	QM-4X	4000	ug/L	5000	70400	203	60-140
Chromium	49.9		1.00	ug/L	50.0	1.40	97	60-140
Cobalt	96.8		1.00	ug/L	50.0	48.0	98	60-140
Copper	49.6		1.00	ug/L	50.0	1.60	96	60-140
Iron	26900		100	ug/L	5000	21800	102	60-140
Lead	48.4		1.00	ug/L	50.0	ND	97	60-140
Magnesium	53400		100	ug/L	5000	50300	62	60-140
Manganese	22500	QM-4X	50.0	ug/L	50.0	21300	NR	60-140
Mercury	2.58		0.100	ug/L	2.50	ND	103	60-140
Nickel	63.4		1.00	ug/L	50.0	14.7	97	60-140
Potassium	14000		100	ug/L	5000	8730	106	60-140
Selenium	48.8		1.00	ug/L	50.0	ND	98	60-140
Silver	42.8		1.00	ug/L	50.0	ND	86	60-140
Sodium	61300		100	ug/L	5000	56300	99	60-140
Thallium	51.0		1.00	ug/L	50.0	ND	102	60-140
Vanadium	48.6		1.00	ug/L	50.0	ND	97	60-140
Zinc	105		4.00	ug/L	100	9.06	96	60-140



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003210 - 3010A-Metals Digestion

Blank (B003210-BLK1)

Prepared: 03/12/20 Analyzed: 03/13/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

LCS (B003210-BS1)

Prepared: 03/12/20 Analyzed: 03/13/20

Antimony	46.9		1.00	ug/L	50.0		94	80-120		
Arsenic	48.8		1.00	ug/L	50.0		98	80-120		
Barium	48.5		1.00	ug/L	50.0		97	80-120		
Beryllium	47.4		1.00	ug/L	50.0		95	80-120		
Cadmium	48.7		1.00	ug/L	50.0		97	80-120		
Calcium	5040		80.0	ug/L	5000		101	80-120		
Chromium	49.5		1.00	ug/L	50.0		99	80-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003210 - 3010A-Metals Digestion

LCS (B003210-BS1)

Prepared: 03/12/20 Analyzed: 03/13/20

Cobalt	50.4		1.00	ug/L	50.0		101	80-120		
Copper	53.2		1.00	ug/L	50.0		106	80-120		
Iron	5110		100	ug/L	5000		102	80-120		
Lead	47.8		1.00	ug/L	50.0		96	80-120		
Magnesium	4940		100	ug/L	5000		99	80-120		
Manganese	49.7		1.00	ug/L	50.0		99	80-120		
Mercury	2.44		0.100	ug/L	2.50		98	80-120		
Nickel	49.6		1.00	ug/L	50.0		99	80-120		
Potassium	4960		100	ug/L	5000		99	80-120		
Selenium	49.7		1.00	ug/L	50.0		99	80-120		
Silver	40.0		1.00	ug/L	50.0		80	80-120		
Sodium	5140		100	ug/L	5000		103	80-120		
Thallium	48.7		1.00	ug/L	50.0		97	80-120		
Vanadium	47.8		1.00	ug/L	50.0		96	80-120		
Zinc	102		4.00	ug/L	100		102	80-120		

Duplicate (B003210-DUP1)

Source: 0031112-01

Prepared: 03/12/20 Analyzed: 03/13/20

Hardness as CaCO3	479000		500	ug/L		511000		6		200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	2.12		1.00	ug/L		2.28		7		200
Barium	135		1.00	ug/L		145		7		200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	92300		80.0	ug/L		98700		7		200
Chromium	1.22		1.00	ug/L		1.22		0.5		200
Cobalt	18.8		1.00	ug/L		20.2		7		200
Copper	1.22		1.00	ug/L		1.23		1		200
Iron	9770		100	ug/L		10500		7		200
Lead	ND		1.00	ug/L		ND				200
Magnesium	60400		100	ug/L		64200		6		200
Manganese	5330		10.0	ug/L		6080		13		200
Mercury	ND		0.100	ug/L		ND				200



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003210 - 3010A-Metals Digestion

Duplicate (B003210-DUP1)		Source: 0031112-01		Prepared: 03/12/20		Analyzed: 03/13/20		
Nickel	5.96		1.00	ug/L	6.58		10	200
Potassium	15800		100	ug/L	16900		7	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	66600		100	ug/L	71000		6	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	ND		4.00	ug/L	ND			200

Matrix Spike (B003210-MS1)		Source: 0031112-01		Prepared: 03/12/20		Analyzed: 03/13/20		
Antimony	48.6		1.00	ug/L	50.0	ND	97	60-140
Arsenic	50.9		1.00	ug/L	50.0	2.28	97	60-140
Barium	192		1.00	ug/L	50.0	145	95	60-140
Beryllium	48.8		1.00	ug/L	50.0	ND	98	60-140
Cadmium	48.4		1.00	ug/L	50.0	ND	97	60-140
Calcium	110000	QM-4X	800	ug/L	5000	98700	223	60-140
Chromium	49.7		1.00	ug/L	50.0	1.22	97	60-140
Cobalt	67.8		1.00	ug/L	50.0	20.2	95	60-140
Copper	49.4		1.00	ug/L	50.0	1.23	96	60-140
Iron	15300		100	ug/L	5000	10500	97	60-140
Lead	48.7		1.00	ug/L	50.0	ND	97	60-140
Magnesium	67700		100	ug/L	5000	64200	71	60-140
Manganese	5780	QM-4X	10.0	ug/L	50.0	6080	NR	60-140
Mercury	2.56		0.100	ug/L	2.50	ND	102	60-140
Nickel	54.7		1.00	ug/L	50.0	6.58	96	60-140
Potassium	21400		100	ug/L	5000	16900	91	60-140
Selenium	49.2		1.00	ug/L	50.0	ND	98	60-140
Silver	40.6		1.00	ug/L	50.0	ND	81	60-140
Sodium	74700		100	ug/L	5000	71000	75	60-140
Thallium	50.3		1.00	ug/L	50.0	ND	101	60-140
Vanadium	48.4		1.00	ug/L	50.0	ND	97	60-140
Zinc	100		4.00	ug/L	100	ND	100	60-140



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003244 - 3010A-Metals Digestion

Blank (B003244-BLK1)

Prepared: 03/16/20 Analyzed: 03/17/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	151	B	80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	5.22	J	100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

LCS (B003244-BS1)

Prepared: 03/16/20 Analyzed: 03/17/20

Antimony	46.8		1.00	ug/L	50.0		94	80-120		
Arsenic	49.2		1.00	ug/L	50.0		98	80-120		
Barium	48.5		1.00	ug/L	50.0		97	80-120		
Beryllium	48.8		1.00	ug/L	50.0		98	80-120		
Cadmium	48.8		1.00	ug/L	50.0		98	80-120		
Calcium	5080	B	80.0	ug/L	5000		102	80-120		
Chromium	49.7		1.00	ug/L	50.0		99	80-120		



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.

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003244 - 3010A-Metals Digestion

LCS (B003244-BS1)

Prepared: 03/16/20 Analyzed: 03/17/20

Cobalt	50.3		1.00	ug/L	50.0		101	80-120		
Copper	50.8		1.00	ug/L	50.0		102	80-120		
Iron	5070		100	ug/L	5000		101	80-120		
Lead	48.7		1.00	ug/L	50.0		97	80-120		
Magnesium	5070		100	ug/L	5000		101	80-120		
Manganese	50.7		1.00	ug/L	50.0		101	80-120		
Mercury	2.54		0.100	ug/L	2.50		102	80-120		
Nickel	50.5		1.00	ug/L	50.0		101	80-120		
Potassium	5070		100	ug/L	5000		101	80-120		
Selenium	51.2		1.00	ug/L	50.0		102	80-120		
Silver	40.3		1.00	ug/L	50.0		81	80-120		
Sodium	5290		100	ug/L	5000		106	80-120		
Thallium	49.8		1.00	ug/L	50.0		100	80-120		
Vanadium	47.6		1.00	ug/L	50.0		95	80-120		
Zinc	102		4.00	ug/L	100		102	80-120		

Duplicate (B003244-DUP1)

Source: 0031224-01

Prepared: 03/16/20 Analyzed: 03/17/20

Hardness as CaCO3	263000		500	ug/L		268000			2	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	105		1.00	ug/L		107			2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	43400	B	80.0	ug/L		44600			3	200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	5.30		1.00	ug/L		5.37			1	200
Copper	1.20		1.00	ug/L		ND				200
Iron	337		100	ug/L		275			20	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	37600		100	ug/L		38100			1	200
Manganese	1520		5.00	ug/L		1610			6	200
Mercury	0.747		0.100	ug/L		0.743			0.5	200



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003244 - 3010A-Metals Digestion

Duplicate (B003244-DUP1)		Source: 0031224-01		Prepared: 03/16/20		Analyzed: 03/17/20		
Nickel	7.12		1.00	ug/L	7.00		2	200
Potassium	3610		100	ug/L	3710		3	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	78500		100	ug/L	80000		2	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	26.4		4.00	ug/L	27.2		3	200

Matrix Spike (B003244-MS1)		Source: 0031224-01		Prepared: 03/16/20		Analyzed: 03/17/20		
Antimony	46.7		1.00	ug/L	50.0	ND	93	60-140
Arsenic	48.1		1.00	ug/L	50.0	ND	96	60-140
Barium	154		1.00	ug/L	50.0	107	94	60-140
Beryllium	48.4		1.00	ug/L	50.0	ND	97	60-140
Cadmium	47.8		1.00	ug/L	50.0	ND	96	60-140
Calcium	48100	B	80.0	ug/L	5000	44600	70	60-140
Chromium	48.2		1.00	ug/L	50.0	ND	96	60-140
Cobalt	52.2		1.00	ug/L	50.0	5.37	94	60-140
Copper	48.2		1.00	ug/L	50.0	ND	96	60-140
Iron	5200		100	ug/L	5000	275	98	60-140
Lead	48.0		1.00	ug/L	50.0	ND	96	60-140
Magnesium	41700		100	ug/L	5000	38100	72	60-140
Manganese	1670		5.00	ug/L	50.0	1610	121	60-140
Mercury	3.26		0.100	ug/L	2.50	0.743	101	60-140
Nickel	53.8		1.00	ug/L	50.0	7.00	94	60-140
Potassium	8520		100	ug/L	5000	3710	96	60-140
Selenium	47.0		1.00	ug/L	50.0	ND	94	60-140
Silver	38.9		1.00	ug/L	50.0	ND	78	60-140
Sodium	82900	QM-4X	100	ug/L	5000	80000	57	60-140
Thallium	49.3		1.00	ug/L	50.0	ND	99	60-140
Vanadium	47.1		1.00	ug/L	50.0	ND	94	60-140
Zinc	122		4.00	ug/L	100	27.2	95	60-140



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003260 - 3010A-Metals Digestion

Blank (B003260-BLK1)

Prepared: 03/16/20 Analyzed: 03/17/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	4.01	B	4.00	ug/L						

LCS (B003260-BS1)

Prepared: 03/16/20 Analyzed: 03/17/20

Antimony	47.4		1.00	ug/L	50.0		95	80-120		
Arsenic	50.2		1.00	ug/L	50.0		100	80-120		
Barium	48.3		1.00	ug/L	50.0		97	80-120		
Beryllium	49.2		1.00	ug/L	50.0		98	80-120		
Cadmium	49.5		1.00	ug/L	50.0		99	80-120		
Calcium	5070		80.0	ug/L	5000		101	80-120		
Chromium	49.8		1.00	ug/L	50.0		100	80-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003260 - 3010A-Metals Digestion

LCS (B003260-BS1)

Prepared: 03/16/20 Analyzed: 03/17/20

Cobalt	50.9		1.00	ug/L	50.0		102	80-120		
Copper	51.1		1.00	ug/L	50.0		102	80-120		
Iron	5180		100	ug/L	5000		104	80-120		
Lead	48.8		1.00	ug/L	50.0		98	80-120		
Magnesium	5100		100	ug/L	5000		102	80-120		
Manganese	52.0		1.00	ug/L	50.0		104	80-120		
Mercury	2.46		0.100	ug/L	2.50		99	80-120		
Nickel	51.4		1.00	ug/L	50.0		103	80-120		
Potassium	5090		100	ug/L	5000		102	80-120		
Selenium	50.9		1.00	ug/L	50.0		102	80-120		
Silver	29.6		1.00	ug/L	50.0		59	80-120		
Sodium	5330		100	ug/L	5000		107	80-120		
Thallium	49.9		1.00	ug/L	50.0		100	80-120		
Vanadium	47.7		1.00	ug/L	50.0		95	80-120		
Zinc	109	B	4.00	ug/L	100		109	80-120		

Duplicate (B003260-DUP1)

Source: 0031614-01

Prepared: 03/16/20 Analyzed: 03/17/20

Hardness as CaCO3	436000		500	ug/L		410000		6		200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	148		1.00	ug/L		139		6		200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	81300		80.0	ug/L		76200		6		200
Chromium	1.68		1.00	ug/L		1.48		13		200
Cobalt	27.8		1.00	ug/L		25.8		7		200
Copper	1.16		1.00	ug/L		ND				200
Iron	2210		100	ug/L		2060		7		200
Lead	1.18		1.00	ug/L		1.09		8		200
Magnesium	56600		100	ug/L		53300		6		200
Manganese	15000		20.0	ug/L		14800		2		200
Mercury	ND		0.100	ug/L		ND				200



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003260 - 3010A-Metals Digestion

Duplicate (B003260-DUP1)		Source: 0031614-01		Prepared: 03/16/20		Analyzed: 03/17/20		
Nickel	30.2		1.00	ug/L	28.7		5	200
Potassium	4630		100	ug/L	4320		7	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	31800		100	ug/L	29900		6	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	ND		4.00	ug/L	ND			200

Matrix Spike (B003260-MS1)		Source: 0031614-01		Prepared: 03/16/20		Analyzed: 03/17/20		
Antimony	48.3		1.00	ug/L	50.0	ND	97	60-140
Arsenic	50.4		1.00	ug/L	50.0	ND	101	60-140
Barium	187		1.00	ug/L	50.0	139	96	60-140
Beryllium	47.7		1.00	ug/L	50.0	ND	95	60-140
Cadmium	50.1		1.00	ug/L	50.0	ND	100	60-140
Calcium	80600		80.0	ug/L	5000	76200	87	60-140
Chromium	50.8		1.00	ug/L	50.0	1.48	99	60-140
Cobalt	74.2		1.00	ug/L	50.0	25.8	97	60-140
Copper	50.1		1.00	ug/L	50.0	ND	100	60-140
Iron	7050		100	ug/L	5000	2060	100	60-140
Lead	50.3		1.00	ug/L	50.0	1.09	98	60-140
Magnesium	58100		100	ug/L	5000	53300	96	60-140
Manganese	15700	QM-4X	20.0	ug/L	50.0	14800	NR	60-140
Mercury	2.68		0.100	ug/L	2.50	ND	107	60-140
Nickel	77.0		1.00	ug/L	50.0	28.7	97	60-140
Potassium	9620		100	ug/L	5000	4320	106	60-140
Selenium	50.4		1.00	ug/L	50.0	ND	101	60-140
Silver	29.8		1.00	ug/L	50.0	ND	60	60-140
Sodium	34600		100	ug/L	5000	29900	93	60-140
Thallium	51.4		1.00	ug/L	50.0	ND	103	60-140
Vanadium	48.7		1.00	ug/L	50.0	ND	97	60-140
Zinc	102	B	4.00	ug/L	100	ND	102	60-140



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003338 - 3010A-Metals Digestion

Blank (B003338-BLK1)

Prepared: 03/19/20 Analyzed: 03/20/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

LCS (B003338-BS1)

Prepared: 03/19/20 Analyzed: 03/20/20

Antimony	47.0		1.00	ug/L	50.0		94	80-120		
Arsenic	48.5		1.00	ug/L	50.0		97	80-120		
Barium	47.8		1.00	ug/L	50.0		96	80-120		
Beryllium	48.0		1.00	ug/L	50.0		96	80-120		
Cadmium	48.6		1.00	ug/L	50.0		97	80-120		
Calcium	4930		80.0	ug/L	5000		99	80-120		
Chromium	50.3		1.00	ug/L	50.0		101	80-120		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003338 - 3010A-Metals Digestion

LCS (B003338-BS1)

Prepared: 03/19/20 Analyzed: 03/20/20

Cobalt	51.2		1.00	ug/L	50.0		102	80-120		
Copper	52.3		1.00	ug/L	50.0		105	80-120		
Iron	5110		100	ug/L	5000		102	80-120		
Lead	48.0		1.00	ug/L	50.0		96	80-120		
Magnesium	5090		100	ug/L	5000		102	80-120		
Manganese	50.5		1.00	ug/L	50.0		101	80-120		
Mercury	2.39		0.100	ug/L	2.50		96	80-120		
Nickel	50.6		1.00	ug/L	50.0		101	80-120		
Potassium	4940		100	ug/L	5000		99	80-120		
Selenium	49.5		1.00	ug/L	50.0		99	80-120		
Silver	44.0		1.00	ug/L	50.0		88	80-120		
Sodium	5090		100	ug/L	5000		102	80-120		
Thallium	48.7		1.00	ug/L	50.0		97	80-120		
Vanadium	47.2		1.00	ug/L	50.0		94	80-120		
Zinc	101		4.00	ug/L	100		101	80-120		

Duplicate (B003338-DUP1)

Source: 0031706-01

Prepared: 03/19/20 Analyzed: 03/20/20

Hardness as CaCO3	58900		500	ug/L		58500		0.7		200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	14.8		1.00	ug/L		14.9		0.9		200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	10600		80.0	ug/L		10500		0.5		200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	ND		1.00	ug/L		ND				200
Copper	ND		1.00	ug/L		ND				200
Iron	3540		100	ug/L		3600		2		200
Lead	ND		1.00	ug/L		ND				200
Magnesium	7870		100	ug/L		7810		0.9		200
Manganese	201		1.00	ug/L		202		0.8		200
Mercury	ND		0.100	ug/L		ND				200



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

TOTAL METALS ANALYSIS BY EPA 3010A/6020A - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B003338 - 3010A-Metals Digestion

Duplicate (B003338-DUP1)		Source: 0031706-01		Prepared: 03/19/20		Analyzed: 03/20/20	
Nickel	ND	1.00	ug/L	ND			200
Potassium	4600	100	ug/L	4540		1	200
Selenium	ND	1.00	ug/L	ND			200
Silver	ND	1.00	ug/L	ND			200
Sodium	11700	100	ug/L	11700		0.2	200
Thallium	ND	1.00	ug/L	ND			200
Vanadium	ND	1.00	ug/L	ND			200
Zinc	4.94	4.00	ug/L	4.98		0.8	200

Matrix Spike (B003338-MS1)		Source: 0031706-01		Prepared: 03/19/20		Analyzed: 03/20/20	
Antimony	46.8	1.00	ug/L	50.0	ND	94	60-140
Arsenic	48.5	1.00	ug/L	50.0	ND	97	60-140
Barium	63.0	1.00	ug/L	50.0	14.9	96	60-140
Beryllium	49.2	1.00	ug/L	50.0	ND	98	60-140
Cadmium	48.2	1.00	ug/L	50.0	ND	96	60-140
Calcium	15400	80.0	ug/L	5000	10500	97	60-140
Chromium	49.7	1.00	ug/L	50.0	ND	99	60-140
Cobalt	49.7	1.00	ug/L	50.0	ND	99	60-140
Copper	50.9	1.00	ug/L	50.0	ND	102	60-140
Iron	8530	100	ug/L	5000	3600	99	60-140
Lead	48.2	1.00	ug/L	50.0	ND	96	60-140
Magnesium	12700	100	ug/L	5000	7810	97	60-140
Manganese	250	1.00	ug/L	50.0	202	96	60-140
Mercury	2.48	0.100	ug/L	2.50	ND	99	60-140
Nickel	48.7	1.00	ug/L	50.0	ND	97	60-140
Potassium	9710	100	ug/L	5000	4540	103	60-140
Selenium	47.4	1.00	ug/L	50.0	ND	95	60-140
Silver	42.2	1.00	ug/L	50.0	ND	84	60-140
Sodium	16400	100	ug/L	5000	11700	93	60-140
Thallium	49.1	1.00	ug/L	50.0	ND	98	60-140
Vanadium	47.9	1.00	ug/L	50.0	ND	96	60-140
Zinc	103	4.00	ug/L	100	4.98	98	60-140



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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
Batch B003081 - COD (03) Prep										
Blank (B003081-BLK1)					Prepared & Analyzed: 03/05/20					
COD	ND		3.0	mg/L						
LCS (B003081-BS1)					Prepared & Analyzed: 03/05/20					
COD	52.7		3.0	mg/L	50.0		105	90-110		
Duplicate (B003081-DUP1)					Source: 0030222-02		Prepared & Analyzed: 03/05/20			
COD	18.4		3.0	mg/L		18.3			0.5	20
Matrix Spike (B003081-MS1)					Source: 0030222-02		Prepared & Analyzed: 03/05/20			
COD	64.5		3.0	mg/L	50.0	18.3	92	90-110		
Batch B003175 - COD (03) Prep										
Blank (B003175-BLK1)					Prepared & Analyzed: 03/11/20					
COD	ND		3.0	mg/L						
LCS (B003175-BS1)					Prepared & Analyzed: 03/11/20					
COD	53.6		3.0	mg/L	50.0		107	90-110		
Duplicate (B003175-DUP1)					Source: 0030530-01		Prepared & Analyzed: 03/11/20			
COD	34.1		3.0	mg/L		22.3			42	20
Matrix Spike (B003175-MS1)					Source: 0030530-01		Prepared & Analyzed: 03/11/20			
COD	79.6		3.0	mg/L	50.0	22.3	115	90-110		
Batch B003217 - COD (03) Prep										
Blank (B003217-BLK1)					Prepared & Analyzed: 03/13/20					
COD	ND		3.0	mg/L						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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
Batch B003217 - COD (03) Prep										
LCS (B003217-BS1)					Prepared & Analyzed: 03/13/20					
COD	50.6		3.0	mg/L	50.0		101	90-110		
Duplicate (B003217-DUP1)					Source: 0031027-01		Prepared & Analyzed: 03/13/20			
COD	6.4		3.0	mg/L		4.3			38	20
Matrix Spike (B003217-MS1)					Source: 0031027-01		Prepared & Analyzed: 03/13/20			
COD	55.5		3.0	mg/L	50.0	4.3	102	90-110		
Batch B003297 - COD (03) Prep										
Blank (B003297-BLK1)					Prepared & Analyzed: 03/19/20					
COD	ND		3.0	mg/L						
LCS (B003297-BS1)					Prepared & Analyzed: 03/19/20					
COD	53.7		3.0	mg/L	50.0		107	90-110		
Duplicate (B003297-DUP1)					Source: 0031224-01		Prepared & Analyzed: 03/19/20			
COD	ND		3.0	mg/L		ND				20
Matrix Spike (B003297-MS1)					Source: 0031224-01		Prepared & Analyzed: 03/19/20			
COD	51.7		3.0	mg/L	50.0	ND	103	90-110		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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
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Batch B003036 - TSS PREP

Blank (B003036-BLK1)			Prepared: 03/03/20 Analyzed: 03/04/20							
Solids, Suspended	ND		2.5	mg/L						

LCS (B003036-BS1)			Prepared: 03/03/20 Analyzed: 03/04/20							
Solids, Suspended	55.6		2.5	mg/L	63.2		88	70-130		

Duplicate (B003036-DUP1)			Source: 0030208-01		Prepared: 03/03/20 Analyzed: 03/04/20					
Solids, Suspended	30.8		5.1	mg/L		32.6			5	20

Batch B003061 - TSS PREP

Blank (B003061-BLK1)			Prepared: 03/04/20 Analyzed: 03/05/20							
Solids, Suspended	ND		2.5	mg/L						

LCS (B003061-BS1)			Prepared: 03/04/20 Analyzed: 03/05/20							
Solids, Suspended	47.6		2.5	mg/L	50.5		94	70-130		

Duplicate (B003061-DUP1)			Source: 0030313-01		Prepared: 03/04/20 Analyzed: 03/05/20					
Solids, Suspended	92.6		9.3	mg/L		92.1			0.6	20

Batch B003104 - TSS PREP

Blank (B003104-BLK1)			Prepared & Analyzed: 03/06/20							
Solids, Suspended	ND		2.5	mg/L						

LCS (B003104-BS1)			Prepared & Analyzed: 03/06/20							
Solids, Suspended	59.3		2.5	mg/L	64.4		92	70-130		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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
Batch B003104 - TSS PREP										
Duplicate (B003104-DUP1)			Source: 0030418-03			Prepared & Analyzed: 03/06/20				
Solids, Suspended	6.4		5.0	mg/L		6.8			7	20
Batch B003199 - TSS PREP										
Blank (B003199-BLK1)			Prepared: 03/12/20 Analyzed: 03/13/20							
Solids, Suspended	ND		2.5	mg/L						
LCS (B003199-BS1)			Prepared: 03/12/20 Analyzed: 03/13/20							
Solids, Suspended	50.0		2.5	mg/L	56.4		89	70-130		
Duplicate (B003199-DUP1)			Source: 0030917-01			Prepared: 03/12/20 Analyzed: 03/13/20				
Solids, Suspended	6.4		4.7	mg/L		ND				20
Batch B003215 - TSS PREP										
Blank (B003215-BLK1)			Prepared: 03/13/20 Analyzed: 03/16/20							
Solids, Suspended	ND		2.5	mg/L						
LCS (B003215-BS1)			Prepared: 03/13/20 Analyzed: 03/16/20							
Solids, Suspended	50.3		2.5	mg/L	52.7		95	70-130		
Duplicate (B003215-DUP1)			Source: 0031112-06			Prepared: 03/13/20 Analyzed: 03/16/20				
Solids, Suspended	43.0		5.3	mg/L		36.8			15	20
Batch B003271 - TSS PREP										
Blank (B003271-BLK1)			Prepared: 03/17/20 Analyzed: 03/18/20							
Solids, Suspended	ND		2.5	mg/L						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

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
Batch B003271 - TSS PREP										
LCS (B003271-BS1)					Prepared: 03/17/20 Analyzed: 03/18/20					
Solids, Suspended	46.7		2.5	mg/L	52.1		90	70-130		
Duplicate (B003271-DUP1)					Source: 0031607-01		Prepared: 03/17/20 Analyzed: 03/18/20			
Solids, Suspended	115		11.1	mg/L		111			3	20
Batch B003286 - TSS PREP										
Blank (B003286-BLK1)					Prepared: 03/18/20 Analyzed: 03/19/20					
Solids, Suspended	ND		2.5	mg/L						
LCS (B003286-BS1)					Prepared: 03/18/20 Analyzed: 03/19/20					
Solids, Suspended	54.2		2.5	mg/L	59.9		90	70-130		
Duplicate (B003286-DUP1)					Source: 0031717-01		Prepared: 03/18/20 Analyzed: 03/19/20			
Solids, Suspended	510		10.4	mg/L		627			21	20



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0017 - No Prep WC										
Blank (B0C0017-BLK1)					Prepared & Analyzed: 03/03/20					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B0C0017-BS1)					Prepared & Analyzed: 03/03/20					
Ammonia Nitrogen	1.95		0.10	mg/L	2.00		97.5	90-110		
Duplicate (B0C0017-DUP1)					Source: E062335-01		Prepared & Analyzed: 03/03/20			
Ammonia Nitrogen	1.49		0.10	mg/L		1.48			1.10	20
Matrix Spike (B0C0017-MS1)					Source: E062335-01		Prepared & Analyzed: 03/03/20			
Ammonia Nitrogen	3.41		0.10	mg/L	2.00	1.48	96.7	90-110		
Batch B0C0019 - Method 300.0										
LCS (B0C0019-BS1)					Prepared & Analyzed: 03/03/20					
Sulfate	10.7		1.00	mg/L	10.0		107	90-110		
Chloride	1.1		0.5	mg/L	1.00		107	90-110		
Nitrate (as N)	1.05		0.20	mg/L	1.00		105	90-110		
Duplicate (B0C0019-DUP1)					Source: E062379-01		Prepared & Analyzed: 03/03/20			
Sulfate	37.1		1.00	mg/L		37.4			0.881	20
Nitrate (as N)	ND		0.20	mg/L		0.16				20
Chloride	1000000000	E	0.5	mg/L		1000000000			0.00	20
Duplicate (B0C0019-DUP2)					Source: E062383-15		Prepared & Analyzed: 03/04/20			
Sulfate	9.49		1.00	mg/L		9.44			0.582	20
Chloride	1000000000	E	0.5	mg/L		1000000000			0.00	20
Nitrate (as N)	6.14		0.20	mg/L		6.07			1.12	20



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0019 - Method 300.0

Matrix Spike (B0C0019-MS1)		Source: E062379-01		Prepared & Analyzed: 03/03/20						
Nitrate (as N)	1.26		0.20	mg/L	1.00	0.16	110	80-120		
Chloride	1000000000	E	0.5	mg/L	1.00	1000000000	0.00	80-120		
Sulfate	47.6		1.00	mg/L	10.0	37.4	102	80-120		

Matrix Spike (B0C0019-MS2)		Source: E062383-15		Prepared & Analyzed: 03/04/20						
Nitrate (as N)	7.07		0.20	mg/L	1.00	6.07	99.7	80-120		
Sulfate	20.1		1.00	mg/L	10.0	9.44	107	80-120		
Chloride	1000000000	E	0.5	mg/L	1.00	1000000000	0.00	80-120		

Batch B0C0028 - No Prep WC

Duplicate (B0C0028-DUP1)		Source: 0030222-01		Prepared & Analyzed: 03/04/20						
Conductivity	1160		1.00	us/Cm		1180			1.37	20

Batch B0C0034 - Method 300.0

LCS (B0C0034-BS1)		Prepared & Analyzed: 03/04/20								
Sulfate	11.0		1.00	mg/L	10.0		110	90-110		
Nitrate (as N)	1.09		0.20	mg/L	1.00		109	90-110		
Chloride	1.1		0.5	mg/L	1.00		105	90-110		

Duplicate (B0C0034-DUP1)		Source: E062398-01		Prepared & Analyzed: 03/04/20						
Chloride	7.3		0.5	mg/L		7.3			0.144	20
Nitrate (as N)	0.94		0.20	mg/L		0.93			0.150	20
Sulfate	ND		1.00	mg/L		ND				20



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0034 - Method 300.0

Duplicate (B0C0034-DUP2)		Source: E062409-01		Prepared: 03/04/20		Analyzed: 03/05/20	
Chloride	49.7	2.5	mg/L	50.9		2.41	20
Nitrate (as N)	4.74	0.20	mg/L	4.75		0.386	20
Sulfate	22.3	1.00	mg/L	22.2		0.501	20

Matrix Spike (B0C0034-MS1)		Source: E062398-01		Prepared & Analyzed: 03/04/20			
Nitrate (as N)	1.97	0.20	mg/L	1.00	0.93	103	80-120
Sulfate	10.8	1.00	mg/L	10.0	ND	108	80-120
Chloride	8.3	0.5	mg/L	1.00	7.3	93.2	80-120

Matrix Spike (B0C0034-MS2)		Source: E062409-01		Prepared & Analyzed: 03/04/20			
Sulfate	32.5	1.00	mg/L	10.0	22.2	103	80-120
Chloride	52.1	2.5	mg/L	1.00	50.9	114	80-120
Nitrate (as N)	5.73	0.20	mg/L	1.00	4.75	97.3	80-120

Batch B0C0041 - No Prep WC

Blank (B0C0041-BLK1)		Prepared: 03/05/20				Analyzed: 03/08/20	
Dissolved Solids	ND	5.0	mg/L				

Duplicate (B0C0041-DUP1)		Source: 0030222-01		Prepared: 03/05/20		Analyzed: 03/08/20	
Dissolved Solids	840	5.0	mg/L	849		1.07	20

Batch B0C0044 - No Prep WC

Duplicate (B0C0044-DUP1)		Source: 0030324-01		Prepared & Analyzed: 03/05/20			
Conductivity	3310	1.00	us/Cm	3330		0.602	20



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0048 - Method 300.0										
LCS (B0C0048-BS1)					Prepared & Analyzed: 03/05/20					
Nitrate (as N)	1.10		0.20	mg/L	1.00		110	90-110		
Chloride	1.1		0.5	mg/L	1.00		110	90-110		
Duplicate (B0C0048-DUP1)					Source: E062418-01		Prepared & Analyzed: 03/05/20			
Nitrate (as N)	ND		0.20	mg/L		ND				20
Chloride	1.4		0.5	mg/L		1.4			0.388	20
Duplicate (B0C0048-DUP2)					Source: E062423-02		Prepared & Analyzed: 03/05/20			
Chloride	23.5		0.5	mg/L		23.5			0.180	20
Nitrate (as N)	12.2		0.20	mg/L		12.2			0.0205	20
Matrix Spike (B0C0048-MS1)					Source: E062418-01		Prepared & Analyzed: 03/05/20			
Chloride	2.5		0.5	mg/L	1.00	1.4	109	80-120		
Nitrate (as N)	1.13		0.20	mg/L	1.00	ND	113	80-120		
Matrix Spike (B0C0048-MS2)					Source: E062423-02		Prepared & Analyzed: 03/05/20			
Nitrate (as N)	13.1		0.20	mg/L	1.00	12.2	95.8	80-120		
Chloride	24.6		0.5	mg/L	1.00	23.5	103	80-120		
Batch B0C0053 - No Prep WC										
Duplicate (B0C0053-DUP1)					Source: 0030418-01		Prepared & Analyzed: 03/06/20			
Conductivity	93.1		1.00	us/Cm		93.3			0.215	20
Batch B0C0055 - No Prep WC										
Blank (B0C0055-BLK1)					Prepared & Analyzed: 03/06/20					
Ammonia Nitrogen	ND		0.10	mg/L						



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0055 - No Prep WC										
LCS (B0C0055-BS1)					Prepared & Analyzed: 03/06/20					
Ammonia Nitrogen	1.89		0.10	mg/L	2.00		94.4	90-110		
Duplicate (B0C0055-DUP1)					Source: 0030324-01		Prepared & Analyzed: 03/06/20			
Ammonia Nitrogen	17.0		1.00	mg/L		17.3			1.60	20
Matrix Spike (B0C0055-MS1)					Source: 0030324-01		Prepared & Analyzed: 03/06/20			
Ammonia Nitrogen	37.0		1.00	mg/L	20.0	17.3	98.4	90-110		
Batch B0C0056 - Method 300.0										
LCS (B0C0056-BS1)					Prepared & Analyzed: 03/06/20					
Nitrate (as N)	1.10		0.20	mg/L	1.00		110	90-110		
Chloride	1.0		0.5	mg/L	1.00		103	90-110		
Sulfate	10.8		1.00	mg/L	10.0		108	90-110		
Duplicate (B0C0056-DUP1)					Source: E062449-01		Prepared & Analyzed: 03/06/20			
Nitrate (as N)	7.43		0.20	mg/L		7.47			0.605	20
Sulfate	2.23		1.00	mg/L		2.26			1.31	20
Chloride	20.0		0.5	mg/L		20.1			0.352	20
Duplicate (B0C0056-DUP2)					Source: E062454-01		Prepared & Analyzed: 03/06/20			
Chloride	14.9		0.5	mg/L		14.6			1.44	20
Sulfate	ND		1.00	mg/L		ND				20
Nitrate (as N)	7.79		0.20	mg/L		7.86			0.914	20
Matrix Spike (B0C0056-MS1)					Source: E062449-01		Prepared & Analyzed: 03/06/20			
Chloride	20.7		0.5	mg/L	1.00	20.1	65.0	80-120		
Sulfate	12.4		1.00	mg/L	10.0	2.26	101	80-120		
Nitrate (as N)	8.43		0.20	mg/L	1.00	7.47	96.1	80-120		



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0056 - Method 300.0

Matrix Spike (B0C0056-MS2)		Source: E062454-01		Prepared & Analyzed: 03/06/20						
Chloride	15.5		0.5	mg/L	1.00	14.6	81.3	80-120		
Nitrate (as N)	8.77		0.20	mg/L	1.00	7.86	91.1	80-120		
Sulfate	10.8		1.00	mg/L	10.0	ND	108	80-120		

Batch B0C0066 - Method 300.0

LCS (B0C0066-BS1)		Prepared & Analyzed: 03/09/20								
Chloride	1.1		0.5	mg/L	1.00		110	90-110		

Duplicate (B0C0066-DUP1)		Source: E062476-01		Prepared & Analyzed: 03/09/20						
Chloride	1000000000	E	0.5	mg/L		1000000000			0.00	20

Matrix Spike (B0C0066-MS1)		Source: E062476-01		Prepared & Analyzed: 03/09/20						
Chloride	1000000000	E	0.5	mg/L	1.00	1000000000	0.00	80-120		

Batch B0C0070 - No Prep WC

Blank (B0C0070-BLK1)		Prepared & Analyzed: 03/10/20								
Dissolved Solids	ND		5.0	mg/L						

Duplicate (B0C0070-DUP1)		Source: 0030418-01		Prepared & Analyzed: 03/10/20						
Dissolved Solids	77.0		5.0	mg/L		76.0			1.31	20

Batch B0C0071 - Method 300.0

LCS (B0C0071-BS1)		Prepared & Analyzed: 03/10/20								
Nitrate (as N)	1.10		0.20	mg/L	1.00		110	90-110		
Chloride	1.0		0.5	mg/L	1.00		103	90-110		
Sulfate	11.0		1.00	mg/L	10.0		110	90-110		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0071 - Method 300.0

Duplicate (B0C0071-DUP1)		Source: E062486-01		Prepared & Analyzed: 03/10/20						
Chloride	21.5		0.5	mg/L		21.4			0.275	20
Nitrate (as N)	8.40		0.20	mg/L		8.38			0.201	20
Sulfate	24.0		1.00	mg/L		24.0			0.00750	20

Duplicate (B0C0071-DUP2)		Source: E062500-01		Prepared & Analyzed: 03/10/20						
Sulfate	4.72		1.00	mg/L		4.59			2.82	20
Chloride	1000000000	E	0.5	mg/L		1000000000			0.00	20
Nitrate (as N)	12.5		0.20	mg/L		12.4			1.26	20

Matrix Spike (B0C0071-MS1)		Source: E062486-01		Prepared & Analyzed: 03/10/20						
Sulfate	34.5		1.00	mg/L	10.0	24.0	105	80-120		
Nitrate (as N)	9.48		0.20	mg/L	1.00	8.38	110	80-120		
Chloride	22.5		0.5	mg/L	1.00	21.4	108	80-120		

Matrix Spike (B0C0071-MS2)		Source: E062500-01		Prepared & Analyzed: 03/10/20						
Chloride	1000000000	E	0.5	mg/L	1.00	1000000000	0.00	80-120		
Sulfate	15.9		1.00	mg/L	10.0	4.59	113	80-120		
Nitrate (as N)	13.6		0.20	mg/L	1.00	12.4	129	80-120		

Batch B0C0091 - Method 300.0

LCS (B0C0091-BS1)		Prepared & Analyzed: 03/12/20								
Sulfate	9.66		1.00	mg/L	10.0		96.6	90-110		
Nitrate (as N)	0.99		0.20	mg/L	1.00		99.3	90-110		

Duplicate (B0C0091-DUP1)		Source: E062507-01		Prepared & Analyzed: 03/12/20						
Sulfate	10.6		1.00	mg/L		10.6			0.0663	20
Nitrate (as N)	0.24		0.20	mg/L		0.25			3.79	20



Cory Koons, Laboratory Manager

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0091 - Method 300.0

Duplicate (B0C0091-DUP2)		Source: E062521-01		Prepared & Analyzed: 03/12/20						
Nitrate (as N)	0.58		0.20	mg/L		0.59			1.09	20
Sulfate	2.71		1.00	mg/L		2.83			4.04	20

Matrix Spike (B0C0091-MS1)		Source: E062507-01		Prepared & Analyzed: 03/12/20						
Sulfate	20.2		1.00	mg/L	10.0	10.6	96.5	80-120		
Nitrate (as N)	1.19		0.20	mg/L	1.00	0.25	94.4	80-120		

Matrix Spike (B0C0091-MS2)		Source: E062521-01		Prepared & Analyzed: 03/12/20						
Sulfate	12.8		1.00	mg/L	10.0	2.83	100	80-120		
Nitrate (as N)	1.53		0.20	mg/L	1.00	0.59	94.2	80-120		

Batch B0C0097 - Method 300.0

LCS (B0C0097-BS1)		Prepared & Analyzed: 03/12/20								
Chloride	0.9		0.5	mg/L	1.00		91.3	90-110		
Nitrate (as N)	1.04		0.20	mg/L	1.00		104	90-110		
Sulfate	10.5		1.00	mg/L	10.0		105	90-110		

Duplicate (B0C0097-DUP1)		Source: E062514-01		Prepared & Analyzed: 03/12/20						
Chloride	16.2		0.5	mg/L		16.2			0.102	20
Nitrate (as N)	3.62		0.20	mg/L		3.71			2.44	20
Sulfate	ND		1.00	mg/L		ND				20

Duplicate (B0C0097-DUP2)		Source: E062537-01		Prepared & Analyzed: 03/12/20						
Sulfate	1.15		1.00	mg/L		1.16			1.12	20
Nitrate (as N)	0.59		0.20	mg/L		0.57			2.64	20
Chloride	3.5		0.5	mg/L		3.5			2.25	20



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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0097 - Method 300.0

Matrix Spike (B0C0097-MS1)		Source: E062514-01		Prepared & Analyzed: 03/12/20						
Nitrate (as N)	4.62		0.20	mg/L	1.00	3.71	91.3	80-120		
Chloride	17.2		0.5	mg/L	1.00	16.2	93.6	80-120		
Sulfate	10.9		1.00	mg/L	10.0	ND	109	80-120		

Matrix Spike (B0C0097-MS2)		Source: E062537-01		Prepared & Analyzed: 03/12/20						
Chloride	4.4		0.5	mg/L	1.00	3.5	96.8	80-120		
Nitrate (as N)	1.68		0.20	mg/L	1.00	0.57	111	80-120		
Sulfate	12.1		1.00	mg/L	10.0	1.16	110	80-120		

Batch B0C0105 - Method 300.0

LCS (B0C0105-BS1)		Prepared & Analyzed: 03/12/20								
Chloride	0.9		0.5	mg/L	1.00		93.1	90-110		

Duplicate (B0C0105-DUP1)		Source: 0030917-01		Prepared & Analyzed: 03/12/20						
Chloride	103		5.0	mg/L		98.4			4.51	20

Duplicate (B0C0105-DUP2)		Source: 0031027-04		Prepared & Analyzed: 03/13/20						
Chloride	71.7		5.0	mg/L		73.0			1.69	20

Matrix Spike (B0C0105-MS1)		Source: 0030917-01		Prepared & Analyzed: 03/12/20						
Chloride	108		5.0	mg/L	10.0	98.4	90.5	80-120		

Matrix Spike (B0C0105-MS2)		Source: 0031027-04		Prepared & Analyzed: 03/13/20						
Chloride	80.5		5.0	mg/L	10.0	73.0	75.1	80-120		



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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0109 - Method 300.0

LCS (B0C0109-BS1)

Prepared & Analyzed: 03/14/20

Sulfate	10.2		1.00	mg/L	10.0		102	90-110		
Chloride	0.9		0.5	mg/L	1.00		94.3	90-110		

Duplicate (B0C0109-DUP1)

Source: 0031112-01

Prepared & Analyzed: 03/14/20

Chloride	109		5.0	mg/L		109			0.0897	20
Sulfate	114		10.0	mg/L		114			0.326	20

Duplicate (B0C0109-DUP2)

Source: 0031112-05

Prepared & Analyzed: 03/14/20

Chloride	57.8		5.0	mg/L		56.9			1.66	20
Sulfate	174		10.0	mg/L		174			0.326	20

Matrix Spike (B0C0109-MS1)

Source: 0031112-01

Prepared & Analyzed: 03/14/20

Chloride	122		5.0	mg/L	10.0	109	124	80-120		
Sulfate	219		10.0	mg/L	100	114	105	80-120		

Matrix Spike (B0C0109-MS2)

Source: 0031112-05

Prepared & Analyzed: 03/14/20

Chloride	70.1		5.0	mg/L	10.0	56.9	133	80-120		
Sulfate	279		10.0	mg/L	100	174	105	80-120		

Batch B0C0112 - No Prep WC

Blank (B0C0112-BLK1)

Prepared & Analyzed: 03/13/20

Dissolved Solids	ND		5.0	mg/L						
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Duplicate (B0C0112-DUP1)

Source: 0030917-01

Prepared & Analyzed: 03/13/20

Dissolved Solids	450		5.0	mg/L		456			1.32	20
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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0114 - Method 300.0

LCS (B0C0114-BS1)

Prepared & Analyzed: 03/13/20

Nitrate (as N)	0.99		0.20	mg/L	1.00		99.2	90-110		
Sulfate	11.0		1.00	mg/L	10.0		110	90-110		

Duplicate (B0C0114-DUP1)

Source: 0031224-01

Prepared & Analyzed: 03/13/20

Nitrate (as N)	2.09		0.20	mg/L		2.13			1.69	20
Sulfate	14.9		1.00	mg/L		14.0			6.12	20

Duplicate (B0C0114-DUP2)

Source: E062575-01

Prepared & Analyzed: 03/13/20

Sulfate	1.48		1.00	mg/L		1.48			0.122	20
Nitrate (as N)	3.06		0.20	mg/L		3.07			0.407	20

Matrix Spike (B0C0114-MS1)

Source: 0031224-01

Prepared & Analyzed: 03/13/20

Sulfate	24.6		1.00	mg/L	10.0	14.0	106	80-120		
Nitrate (as N)	3.16		0.20	mg/L	1.00	2.13	103	80-120		

Matrix Spike (B0C0114-MS2)

Source: E062575-01

Prepared & Analyzed: 03/13/20

Sulfate	12.4		1.00	mg/L	10.0	1.48	109	80-120		
Nitrate (as N)	4.07		0.20	mg/L	1.00	3.07	99.5	80-120		

Batch B0C0129 - No Prep WC

Blank (B0C0129-BLK1)

Prepared & Analyzed: 03/16/20

Ammonia Nitrogen	ND		0.10	mg/L						
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LCS (B0C0129-BS1)

Prepared & Analyzed: 03/16/20

Ammonia Nitrogen	1.96		0.10	mg/L	2.00		98.0	90-110		
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Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
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Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0129 - No Prep WC										
Duplicate (B0C0129-DUP1)			Source: 0030917-01		Prepared & Analyzed: 03/16/20					
Ammonia Nitrogen	ND		0.10	mg/L		0.06				20
Matrix Spike (B0C0129-MS1)			Source: 0030917-01		Prepared & Analyzed: 03/16/20					
Ammonia Nitrogen	1.92		0.10	mg/L	2.00	0.06	92.7	90-110		
Batch B0C0130 - No Prep WC										
Blank (B0C0130-BLK1)					Prepared & Analyzed: 03/16/20					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B0C0130-BS1)					Prepared & Analyzed: 03/16/20					
Ammonia Nitrogen	2.00		0.10	mg/L	2.00		100	90-110		
Duplicate (B0C0130-DUP1)			Source: 0031112-07		Prepared & Analyzed: 03/16/20					
Ammonia Nitrogen	0.09		0.10	mg/L		0.09			2.63	20
Matrix Spike (B0C0130-MS1)			Source: 0031112-07		Prepared & Analyzed: 03/16/20					
Ammonia Nitrogen	1.88		0.10	mg/L	2.00	0.09	89.5	90-110		
Batch B0C0134 - No Prep WC										
Duplicate (B0C0134-DUP1)			Source: 0030917-01		Prepared & Analyzed: 03/16/20					
Conductivity	747		1.00	us/Cm		757			1.33	20
Batch B0C0137 - No Prep WC										
Blank (B0C0137-BLK1)					Prepared & Analyzed: 03/16/20					
Dissolved Solids	ND		5.0	mg/L						



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Project Number: 1556404
Project Manager: Laura Oakes

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Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0137 - No Prep WC										
Duplicate (B0C0137-DUP1)			Source: 0031027-06			Prepared & Analyzed: 03/16/20				
Dissolved Solids	753		5.0	mg/L		762			1.19	20
Batch B0C0149 - No Prep WC										
Duplicate (B0C0149-DUP1)			Source: 0031112-05			Prepared & Analyzed: 03/17/20				
Conductivity	822		1.00	us/Cm		832			1.21	20
Batch B0C0151 - Method 300.0										
LCS (B0C0151-BS1)			Prepared & Analyzed: 03/17/20							
Chloride	1.0		0.5	mg/L	1.00		103	90-110		
Nitrate (as N)	1.09		0.20	mg/L	1.00		109	90-110		
Duplicate (B0C0151-DUP1)			Source: 0031614-02			Prepared & Analyzed: 03/17/20				
Nitrate (as N)	0.80		0.20	mg/L		0.82			2.16	20
Chloride	147		12.5	mg/L		150			2.18	20
Duplicate (B0C0151-DUP2)			Source: 0031614-05			Prepared & Analyzed: 03/18/20				
Nitrate (as N)	3.48		0.20	mg/L		3.55			1.76	20
Chloride	17.1		0.5	mg/L		17.3			0.834	20
Matrix Spike (B0C0151-MS1)			Source: 0031614-02			Prepared: 03/17/20 Analyzed: 03/19/20				
Chloride	151		12.5	mg/L	1.00	150	82.0	80-120		
Nitrate (as N)	1.83		0.20	mg/L	1.00	0.82	101	80-120		
Matrix Spike (B0C0151-MS2)			Source: 0031614-05			Prepared & Analyzed: 03/18/20				
Chloride	18.1		0.5	mg/L	1.00	17.3	78.5	80-120		
Nitrate (as N)	4.60		0.20	mg/L	1.00	3.55	105	80-120		



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Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0157 - No Prep WC										
Blank (B0C0157-BLK1)					Prepared & Analyzed: 03/18/20					
Dissolved Solids	ND		5.0	mg/L						
Duplicate (B0C0157-DUP1)					Source: 0031224-03		Prepared & Analyzed: 03/18/20			
Dissolved Solids	1190		5.0	mg/L		1180			0.591	20
Batch B0C0159 - Method 300.0										
LCS (B0C0159-BS1)					Prepared & Analyzed: 03/18/20					
Sulfate	9.62		1.00	mg/L	10.0		96.2	90-110		
Nitrate (as N)	1.00		0.20	mg/L	1.00		100	90-110		
Chloride	1.0		0.5	mg/L	1.00		96.9	90-110		
Duplicate (B0C0159-DUP1)					Source: E062615-01		Prepared & Analyzed: 03/18/20			
Chloride	14.7		0.5	mg/L		14.7			0.131	20
Sulfate	0.50	Ja	1.00	mg/L		0.52			3.53	20
Nitrate (as N)	10.5		0.20	mg/L		10.5			0.223	20
Duplicate (B0C0159-DUP2)					Source: E062622-01		Prepared & Analyzed: 03/18/20			
Chloride	11.6		0.5	mg/L		11.6			0.587	20
Sulfate	30.7		1.00	mg/L		30.9			0.547	20
Nitrate (as N)	9.90		0.20	mg/L		9.93			0.240	20
Matrix Spike (B0C0159-MS1)					Source: E062615-01		Prepared & Analyzed: 03/18/20			
Sulfate	10.5		1.00	mg/L	10.0	0.52	99.6	80-120		
Chloride	15.6		0.5	mg/L	1.00	14.7	90.5	80-120		
Nitrate (as N)	11.5		0.20	mg/L	1.00	10.5	102	80-120		



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Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0C0159 - Method 300.0

Matrix Spike (B0C0159-MS2)		Source: E062622-01		Prepared & Analyzed: 03/18/20						
Nitrate (as N)	10.8		0.20	mg/L	1.00	9.93	91.4	80-120		
Chloride	12.6		0.5	mg/L	1.00	11.6	97.0	80-120		
Sulfate	40.5		1.00	mg/L	10.0	30.9	96.0	80-120		

Batch B0C0163 - No Prep WC

Duplicate (B0C0163-DUP1)		Source: 0031614-01		Prepared & Analyzed: 03/19/20						
Conductivity	1040		1.00	us/Cm		1060			1.91	20

Batch B0C0174 - Method 300.0

LCS (B0C0174-BS1)		Prepared: 03/19/20 Analyzed: 03/20/20								
Sulfate	9.71		1.00	mg/L	10.0		97.1	90-110		

Duplicate (B0C0174-DUP1)		Source: 0031614-01		Prepared: 03/19/20 Analyzed: 03/20/20						
Sulfate	1.60		1.00	mg/L		1.63			1.64	20

Duplicate (B0C0174-DUP2)		Source: E062609-05		Prepared: 03/19/20 Analyzed: 03/20/20						
Sulfate	9.33		1.00	mg/L		9.38			0.509	20
Chloride	11.3		0.5	mg/L		11.1			2.26	20

Matrix Spike (B0C0174-MS1)		Source: 0031614-01		Prepared: 03/19/20 Analyzed: 03/20/20						
Sulfate	11.6		1.00	mg/L	10.0	1.63	99.9	80-120		

Matrix Spike (B0C0174-MS2)		Source: E062609-05		Prepared: 03/19/20 Analyzed: 03/20/20						
Chloride	12.4		0.5	mg/L	1.00	11.1	134	80-120		
Sulfate	19.3		1.00	mg/L	10.0	9.38	99.6	80-120		



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Project Number: 1556404
Project Manager: Laura Oakes

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Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0183 - No Prep WC										
Blank (B0C0183-BLK1)					Prepared & Analyzed: 03/20/20					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B0C0183-BS1)					Prepared & Analyzed: 03/20/20					
Ammonia Nitrogen	1.95		0.10	mg/L	2.00		97.7	90-110		
Duplicate (B0C0183-DUP1)					Source: 0031614-01		Prepared & Analyzed: 03/20/20			
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
Matrix Spike (B0C0183-MS1)					Source: 0031614-01		Prepared & Analyzed: 03/20/20			
Ammonia Nitrogen	1.97		0.10	mg/L	2.00	ND	98.6	90-110		
Batch B0C0188 - No Prep WC										
Blank (B0C0188-BLK1)					Prepared & Analyzed: 03/20/20					
Dissolved Solids	ND		5.0	mg/L						
Duplicate (B0C0188-DUP1)					Source: 0031614-05		Prepared & Analyzed: 03/20/20			
Dissolved Solids	157		5.0	mg/L		155			1.28	20



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04/14/20 13:46

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0027 - No Prep WC										
LCS (B0C0027-BS1)					Prepared & Analyzed: 03/04/20					
Alkalinity as CaCO3	109		1.0	mg/L	100		109	90-110		
Duplicate (B0C0027-DUP1)					Source: 0030222-01		Prepared & Analyzed: 03/04/20			
Alkalinity as CaCO3	222		1.0	mg/L		220			0.859	20
Batch B0C0043 - No Prep WC										
LCS (B0C0043-BS1)					Prepared & Analyzed: 03/05/20					
Alkalinity as CaCO3	107		1.0	mg/L	100		107	90-110		
Duplicate (B0C0043-DUP1)					Source: E062409-01		Prepared & Analyzed: 03/05/20			
Alkalinity as CaCO3	335		4.0	mg/L		336			0.191	20
Batch B0C0054 - No Prep WC										
LCS (B0C0054-BS1)					Prepared & Analyzed: 03/06/20					
Alkalinity as CaCO3	106		1.0	mg/L	100		106	90-110		
Duplicate (B0C0054-DUP1)					Source: 0030418-01		Prepared & Analyzed: 03/06/20			
Alkalinity as CaCO3	44.3		1.0	mg/L		45.1			1.83	20
Batch B0C0133 - No Prep WC										
LCS (B0C0133-BS1)					Prepared & Analyzed: 03/16/20					
Alkalinity as CaCO3	106		1.0	mg/L	100		106	90-110		



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

Cory Koons, Laboratory Manager

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/20 13:46

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0C0133 - No Prep WC										
Duplicate (B0C0133-DUP1)			Source: 0030917-01		Prepared & Analyzed: 03/16/20					
Alkalinity as CaCO3	204		1.0	mg/L		204			0.147	20
Batch B0C0148 - No Prep WC										
LCS (B0C0148-BS1)			Prepared & Analyzed: 03/17/20							
Alkalinity as CaCO3	106		1.0	mg/L	100		106	90-110		
Duplicate (B0C0148-DUP1)			Source: 0031112-05		Prepared & Analyzed: 03/17/20					
Alkalinity as CaCO3	85.3		1.0	mg/L		81.9			3.98	20
Batch B0C0164 - No Prep WC										
LCS (B0C0164-BS1)			Prepared & Analyzed: 03/19/20							
Alkalinity as CaCO3	105		1.0	mg/L	100		105	90-110		
Duplicate (B0C0164-DUP1)			Source: 0031614-01		Prepared & Analyzed: 03/19/20					
Alkalinity as CaCO3	151		1.0	mg/L		152			0.660	20



Cory Koons, Laboratory Manager

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:
04/14/20 13:46

Notes and Definitions

- S-FAIL Surrogate recovery was outside of established QC 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.
- 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.
- Ja Estimated value
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- Ea 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).
- E Over Calibration Estimated Result
- B Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation



Cory Koons, Laboratory Manager

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.

Company Name: EA			Project Manager: Laura Oaks			CHAIN-OF-CUSTODY RECORD							
Project Name: GUDE			Project ID: 1550404			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): A. Szanski			P.O. Number:			Matrix Codes: NW (non-potable water) PW (potable water)							
Field Sample ID	Date	Time	Water	Soil	Other	Analysis Requested							
						8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	MSS Lab ID
Preservative:	Date/Time		No. of Containers			Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Received by: (Signature)	
HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	3/2/20 10:10		11			Rachel Horner (Signature)		Rachel Horner (Signature)		3/2/20 17:42		Rachel Horner (Signature)	
HCl, HNO ₃ , H ₂ SO ₄	3/2/20 11:15		11			Rachel Horner (Signature)		Rachel Horner (Signature)		3/2/20 17:42		Rachel Horner (Signature)	
Blank, Field Blank	3/2/20 13:00		11			Rachel Horner (Signature)		Rachel Horner (Signature)		3/2/20 17:42		Rachel Horner (Signature)	
Request, Trip	3/2/20 15:30		11			Rachel Horner (Signature)		Rachel Horner (Signature)		3/2/20 17:42		Rachel Horner (Signature)	
Blank, Field Blank	3/2/20 17:00		11			Rachel Horner (Signature)		Rachel Horner (Signature)		3/2/20 17:42		Rachel Horner (Signature)	
OB-07	3/2/20	10:10	X			X	X	X	X	X	X	X	00307222-01
OB-07A	3/2/20	11:15	X			X	X	X	X	X	X	X	-02
OB-06	3/2/20	13:00	X			X	X	X	X	X	X	X	-03
TRIP Blank													-04
MW-2A	3/2/20	15:30	X			X	X	X	X	X	X	X	-05
ST-0105	3/2/20	17:00	X			X	X	X	X	X	X	X	-06

Relinquished by: (Signature) <i>Andrew Szanski</i>	Date/Time 3/2/2020 17:42	Received by: (Signature) <i>Rachel Horner</i>	Date/Time 3/2/2020 17:42	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Lab Use: Temp: 5.6°C <input checked="" type="checkbox"/> Received on ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days	Special Instructions/QC Requirements & Comments:			
Delivery Method: Courier Client UPS FedEx USPS Other:	Page 370 of 403					

CHAIN-OF-CUSTODY RECORD

Company Name: EA

Project Manager: Laura

Project Name: GUIDE

Project ID: 1556404

Sampler(s): A. Szanski

P.O. Number:

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 • Fax 410-247-7602
reporting@mdspectral.com

Matrix Codes: NW (non-potable water) PW (potable water)

Preservative: 1-HI
HCl, H₂SO₄,
Methanol, Na₂S₂O₃,
NaHCO₃

**Field pH, Residual
Chlorine, QC
Request, Trip
Blank, Field Blank**

MSS Lab ID

OB-102	3/13/20	0840	X				X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄		0030324-01
MW-2B	3/13/20	1000	X				X	X	X	X	X			-02
OB-2A	3/13/20	1210	X				X	X	X	X	X			-03
OB-2B	3/13/20	1315	X				X	X	X	X	X			-04
Trip blank	3/13/20													-05
MW-7	3/13/20	1610	X				X	X	X	X	X	HCl, HNO ₃ , H ₂ SO ₄		-06

Analysis Requested

8260LL VOC

6020 MDE Landfill List

Chloride, Nitrate, Sulfate,
Alkalinity, Dissolved Solids
Conductivity

Turbidity, pH

Suspended Solids

COD

Ammonia-Nitrogen

No. of Containers

Water	Soil	Other
11		
11		
11		
11		
11		
11		

Relinquished by: (Signature)
Andrew Szanski

Date/Time
3/13/2020
1720

Received by: (Signature)
Rachel Horner

Date/Time
3/13/20
1720

Relinquished by: (Signature)
Andrew Szanski

Date/Time
3/13/20
1720

Lab Use:
Temp: 5.1 °C

Received on Ice

Received same day

Preservation Appropriate

Turn Around Time:

Normal (7 day)

5 day

4 day

3 day

Rush (2 day)

Next Day

Other: _____

Specific Due Date: _____

Sample Disposal:

Return to Client

Disposal by lab

Archive for _____ days

Delivery Method:

Courier

Client

UPS

FedEx

USPS

Other: _____

Special Instructions/QC Requirements & Comments:

Relinquished by: (Signature)
Andrew Szanski

Date/Time
3/13/2020

CHAIN-OF-CUSTODY RECORD

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested		Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com	
Project Name: GUIDE		Project ID: 6556404		Ammonia-Nitrogen		MSS Lab ID	
Sampler(s): A. Stamski		P.O. Number:		COD		0030418-01	
Field Sample ID		No. of Containers		Suspended Solids		-02	
	Date	Time	Water	Soil	Other	-03	
MW-1	3/4/20	0920	X			-04	
MW-3A	3/4/20	1107	X			-05	
MW-3B	3/4/20	1208	X			-06	
OB-08A	3/4/20	1350	X				
OB-08	3/4/20	1510	X				
TRIP BLANK	3/4/20	-					
Relinquished by: (Signature) <i>Andrew Stamski</i>		Date/Time 3/4/2020 1732	Received by: (Signature) <i>Rachel Horner</i>		Date/Time		Received by: (Signature)
(Printed) Andrew Stamski			(Printed) Rachel Horner		(Printed)		(Printed)
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time		Received by: (Signature)
(Printed)			(Printed)		(Printed)		(Printed)
Delivery Method:		Special Instructions/QC Requirements & Comments:		Turn Around Time:		Lab Use:	
<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 checked="" type="checkbox"/> Normal (7 day)	<input checked="" type="checkbox"/> Received on Ice
<input type="checkbox"/> Return to Client	<input type="checkbox"/> Disposal by lab	<input type="checkbox"/> Archive for _____ days	<input type="checkbox"/> Rush (2 day)	<input type="checkbox"/> Next Day	<input type="checkbox"/> Other: _____ Date: _____	<input type="checkbox"/> 5 day	<input checked="" type="checkbox"/> Received same day
<input type="checkbox"/> Sample Disposal:	<input type="checkbox"/> Preservation Appropriate	<input type="checkbox"/> 4 day	<input type="checkbox"/> 3 day	<input type="checkbox"/> 3 day	<input type="checkbox"/> 3 day	<input type="checkbox"/> 3 day	<input type="checkbox"/> Preservation Appropriate

Company Name:		Project Manager:		Analysis Requested							Chain-of-Custody Record														
EA		Laura Oakes		8260LL VOC		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen							
Project Name:		Project ID:		No. of Containers		8260LL VOC		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen					
Gude		1556404		Water		Soil		Other		8260LL VOC		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen	
Sampler(s):		P.O. Number:		Date		Time		Field Sample ID		8260LL VOC		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen	
A. Szanski				3/15/20		0930		MW-24B		X		X		X		X		X		X		X		X	
				3/15/20		0930		OB-40		X		X		X		X		X		X		X		X	
				3/15/20		1050		MW-24A		X		X		X		X		X		X		X		X	
				3/15/20		1222		MW-22A		X		X		X		X		X		X		X		X	
				3/15/20		1325		MW-22B		X		X		X		X		X		X		X		X	
				3/15/20		1515		OB-025		X		X		X		X		X		X		X		X	
				3/15/20		-		Trip Blank																	
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
3/15/2020		1725		3/15/20		17:25																			
Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)		Received by: (Signature)	
Andrew Szanski		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner	
Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)		Relinquished by: (Signature)	
A. Szanski		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner		Rachel Horner	
Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:		Lab Use:	
Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C		Temp: 10.0 C	
<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice		<input checked="" type="checkbox"/> Received on Ice	
<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate		<input checked="" type="checkbox"/> Preservation Appropriate	
Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:		Sample Disposal:	
<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Return to Client	
<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab		<input type="checkbox"/> Disposal by lab	
<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days		<input type="checkbox"/> Archive for ___ days	

CHAIN-OF-CUSTODY RECORD

Company Name: EA		Project Manager: Laura Cakes		Analysis Requested						Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com							
Project Name: Grude		Project ID: 1556404								No. of Containers		8260LL VOC		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity, pH	
Sampler(s): A. Stanski		P.O. Number: 1896		Date		Time		Water		Soil		Other		Matrix Codes: NW (non-potable water) PW (potable water)		MSS Lab ID	
Field Sample ID														Preservative: 1-H HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃		Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	
MW-13B		3/19/20		0900		X		X		X		X		X		0030917-01	
OB-30		3/19/20		0900		X		X		X		X		X		-02	
MW-13A		3/19/20		1025		A		X		X		X		X		-03	
OB-04A		3/19/20		1217		X		X		X		X		X		-04	
ST-120		3/19/20		1115		X		X		X		X		X		-05	
OB-04		3/19/20		1325		X		X		X		X		X		-06	
OB-105		3/19/20		1440		X		X		X		X		X		-07	
Trip Blank		3/19/20		—		—		—		—		—		—		-08	
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time 3/19/2020		Received by: (Signature) <i>[Signature]</i>		Date/Time 3/19/2020		Relinquished by: (Signature) <i>[Signature]</i>		Date/Time 3/19/2020		Received by: (Signature) <i>[Signature]</i>					
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time 3/19/20		Received by: (Signature) <i>[Signature]</i>		Date/Time 17:13		Relinquished by: (Signature) <i>[Signature]</i>		Date/Time 3/19/20		Received by: (Signature) <i>[Signature]</i>					
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Special Instructions/OC Requirements & Comments: Rachel Horner		Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Lab Use: Temp: 12.4 °C <input checked="" type="checkbox"/> Received on ice <input 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									

CHAIN-OF-CUSTODY RECORD

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested				Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com					
Project Name: Gude		Project ID: 1556H04		8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Matrix Codes: NW (non-potable water) PW (potable water)		
Sampler(s): A. Scarnesi		P.O. Number: 18961		No. of Containers				Field pH, Residual Chlorine, OC Request, Trip Blank, Field Blank		MSS Lab ID		Preservative: 1-H HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	
Date	Time	Water	Soil	Other	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Field pH, Residual Chlorine, OC Request, Trip Blank, Field Blank	MSS Lab ID
3/10/20	1000	X			X	X	X	X	X	X	X		0031D27-01
3/10/20	1035	X			X	X	X	X	X	X	X		-02
3/10/20	1110	X			X	X	X	X	X	X	X		-03
3/10/20	1238	X			X	X	X	X	X	X	X		-04
3/10/20	1333	X			X	X	X	X	X	X	X		-05
3/10/20	1415	X			X	X	X	X	X	X	X		-06
3/10/20	1522	X			X	X	X	X	X	X	X		-07
3/10/20	---												-08
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>				Date/Time 9/10/2020		Received by: (Signature) <i>[Signature]</i>		Date/Time 	
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>				Date/Time 1705		Received by: (Signature) <i>[Signature]</i>		Date/Time 	
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>				Date/Time 3/10/20		Received by: (Signature) <i>[Signature]</i>		Date/Time 	
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>				Date/Time 17:05		Received by: (Signature) <i>[Signature]</i>		Date/Time 	
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Special Instructions/QC Requirements & Comments: Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ Specific Due Date: _____										Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days	

CHAIN-OF-CUSTODY RECORD

Company Name: EA		Project Manager: Laura Oates		Analysis Requested				Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com							
Project Name: Ende		Project ID: 15576404													
Sampler(s): A. Seanski		P.O. Number: 18961		No. of Containers		Matrix Codes: NW (non-potable water) PW (potable water)		MSS Lab ID							
Field Sample ID	Date	Time	Water	Soil	Other	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity, pH	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1-H1 HCl, H ₂ SO ₄ , Methanol, Na ₂ S ₂ O ₃ , NaHCO ₃	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	
OB-03A	3/11/20	0832	X			X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , H ₂ O ₂	0031112-01	
OB-11	3/11/20	1000	X			X	X	X	X	X	X	X		-02	
OB-50	3/11/20	1000	X			X	X	X	X	X	X	X		-03	
OB-11A	3/11/20	1052	X			X	X	X	X	X	X	X		-04	
MW-21A	3/11/20	1576	X			X	X	X	X	X	X	X		-05	
MW-21B	3/11/20	1312	X			X	X	X	X	X	X	X		-06	
OB-12	3/11/20	1438	X			X	X	X	X	X	X	X		-07	
OB-015	3/11/20	1549	X			X	X	X	X	X	X	X		-08	
Trip Blank	3/11/20	—												-09	
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time 3/11/2020		Received by: (Signature) <i>[Signature]</i>		Date/Time 17:12		Relinquished by: (Signature) <i>[Signature]</i>		Date/Time 3/11/2020		Received by: (Signature) <i>[Signature]</i>		Date/Time 17:12	
Relinquished by: (Signature) <i>Andy Seanski</i>		Date/Time 3/11/20		Received by: (Signature) <i>Rachel Horner</i>		Date/Time 17:12		Relinquished by: (Signature) <i>[Signature]</i>		Date/Time 3/11/2020		Received by: (Signature) <i>[Signature]</i>		Date/Time 17:12	
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Special Instructions/QC Requirements & Comments:													
Lab Use: Temp: 6.0°C <input checked="" type="checkbox"/> Received on Ice <input 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													

CHAIN-OF-CUSTODY RECORD

Company Name: **CA**
 Project Manager: **Laura Cakes**
 Project ID: **15560404**
 Sampler(s): **Grude**
 P.O. Number: **18961**
 Sampler(s): **A. Szanski**

Maryland Spectral Services, Inc.
 1500 Caton Center Drive, Suite G
 Baltimore, MD 21227
 410-247-7600 • Fax 410-247-7602
 reporting@mdspectral.com

Field Sample ID	Date	Time	No. of Containers			Analysis Requested						MSS Lab ID
			Water	Soil	Other	8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity	Turbidity, pH	Suspended Solids	COD	
MW-19A	3/12/20	0903	X			X	X	X	X	X	X	0031224-01
MW-19B	3/12/20	0958	X			X	X	X	X	X	X	-02
MW-1C	3/12/20	1111	X			X	X	X	X	X	X	-03
OB-01	3/12/20	1205	X			X	X	X	X	X	X	-04
MW-23A	3/12/20	1400	X			X	X	X	X	X	X	-05
MW-23B	3/12/20	1547	X			X	X	X	X	X	X	-06
Trip Blank	3/12/20	—										

Relinquished by: (Signature) <i>Andy Szanski</i> (Printed)	Date/Time 3/12/2020	Received by: (Signature) <i>Rachael Horn</i> (Printed)	Date/Time	Received by: (Signature)
Relinquished by: (Signature) <i>Andy Szanski</i> (Printed)	Date/Time 3/12/20 17:14	Received by: (Signature) <i>Rachael Horn</i> (Printed)		
Lab Use: Temp <u>20.0</u> °C <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days		
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____	Special Instructions/QC Requirements & Comments:			

CHAIN-OF-CUSTODY RECORD

Company Name: EA

Project Manager: Laura Oates

Project ID: 1556404

P.O. Number: 18961

Sampler(s): A, Samski

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410-247-7600 • Fax 410-247-7602
reporting@mdspectral.com

Matrix Codes: NW (non-potable water) PW (potable water)

Preservative: 1-H
HCl, H₂SO₄,
Methanol, Na₂S₂O₃,
NaHCO₃

Field pH, Residual
Chlorine, QC
Request, Trip
Blank, Field Blank

MSS Lab ID

0031614-01
-02
-03
-04
-05
-06
-07

HCl, HNO₃, H₂SO₄

↓

Analysis Requested

8260LL VOC	X
6020 MDE Landfill List	X
Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	X
Turbidity, pH	X
Suspended Solids	X
COD	X
Ammonia-Nitrogen	X

No. of Containers

Water
Soil
Other

Date	Time	Water	Soil	Other
3/16/20	0820	X		
3/16/20	0910	X		
3/16/20	1045	X		
3/16/20	1230	X		
3/16/20	1344	X		
3/16/20	1534	X		
3/16/20	-			

Field Sample ID

OB-10
MW-4
MW-12
MW-11A
MW-11B
MW-10
Trap Blank

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Received by Lab: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

(Printed)

(Printed)

(Printed)

3/16/2020

Andy Samski

Lab Use:

Temp: 12.8°C

Turn Around Time:

Received by Lab: (Signature)

Date/Time

Relinquished by: (Signature)

Received on Ice
 Received same day
 Preservation Appropriate

Normal (7 day)
 5 day
 4 day
 3 day
 Rush (2 day)
 Next Day
 Other: _____ Date: _____

Kim Dinh

1724

Special Instructions/QC Requirements & Comments:

Delivery Method:
 Courier
 Client
 UPS
 FedEx
 USPS
 Other: _____

Sample Disposal:
 Return to Client
 Disposal by lab
 Archive for _____ days

CHAIN-OF-CUSTODY RECORD

Company Name: EA
Project Name: Gravel
Sampler(s): A. Stanski
Project Manager: Laura Chicks
Project ID: 1550404
P.O. Number: 18961

Maryland Spectral Services, Inc.
 1500 Caton Center Drive, Suite G
 Baltimore, MD 21227
 410-247-7600 • Fax 410-247-7602
 reporting@mdspectral.com

Field Sample ID	Date	Time	No. of Containers			Analysis Requested						MSS Lab ID	
			Water	Soil	Other	8260L VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids	Conductivity	Turbidity, pH	Suspended Solids		COD
MW-15	3/17/20	1327	X			X	X	X	X	X	X	X	0031717-01
MW-14A	3/17/20	1327	X			X	X	X	X	X	X	X	-02
MW-14B	3/17/20	1135	X			X	X	X	X	X	X	X	-03
MW-9	3/17/20	1448	X			X	X	X	X	X	X	X	-04
Trip Blank	3/17/20	-											-05

Preservative: 1 +1 HCl, H₂SO₄, Methanol, Na₂S₂O₃, NaHCO₃
Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank

Relinquished by: (Signature) *[Signature]*
Date/Time 3/17/20
Received by: (Signature) *[Signature]*
Date/Time 1558

Relinquished by: (Signature) *[Signature]*
Date/Time 3/17/20
Received by: (Signature) *[Signature]*
Date/Time 1558

Lab Use:
 Temp: 4.7°C
 Received on Ice
 Received same day
 Preservation Appropriate

Sample Disposal:
 Return to Client
 Disposal by lab
 Archive for ___ days

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

Special Instructions/QC Requirements & Comments:

Delivery Method:
 Courier
 Client
 UPS
 FedEx
 USPS
 Other: _____

SUBCONTRACT ORDER
Maryland Spectral Services

0030222

SENDING LABORATORY:

Maryland Spectral Services
 1500 Caton Center Dr. Suite G
 Halethorpe, MD 21227
 Phone: 410.247.7600
 Project Manager: Cory Koons
 Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
 47 Loveton Circle, Suite K
 Sparks, MD 21152
 Phone: (410) 472-1112
 Fax: (410) 472-1116

Autolog Sent
 Date Initial
 3/3/20 RH

Due 4:00 PM 03/11/20

Laboratory ID

Comments

Sample ID: 0030222-01 OB-07

Water **Sampled: 03/02/20 10:36**

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0030222-02 OB-07A

Water **Sampled: 03/02/20 11:45**

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0030222-03 OB-06

Water **Sampled: 03/02/20 13:30**

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Temp 2.1

Received By: *[Signature]* Date: 3/3/2020 10:24
 Received By: *[Signature]* Date: *[Blank]*

3/3/20 / RH

SUBCONTRACT ORDER
Maryland Spectral Services

0030222

Due 4:00 PM 03/11/20

Laboratory ID

Comments

Sample ID: 0030222-05 MW-2A Water Sampled: 03/02/20 15:30

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0030222-06 ST-065 Water Sampled: 03/02/20 13:00

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Received By: [Signature] Date: 3/3/2020 10:24
Received By: [Signature] Date: Temp. 2.1

SUBCONTRACT ORDER
Maryland Spectral Services

0030324

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone : (410) 472-1112
Fax: (410) 472-1116

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons

Reports Email: Reporting@mdspectral.com

Due 4:00 PM 03/12/20

Laboratory ID

Comments

Sample ID: 0030324-01 OB-102

Water Sampled: 03/03/20 08:40

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0030324-02 MW-2B

Water Sampled: 03/03/20 10:00

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0030324-03 OB-2A

Water Sampled: 03/03/20 12:10

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Released By: *[Signature]* Date: 3/4/2020 11:54
Received By: *[Signature]* Date: _____

Date: _____
Date: _____

SUBCONTRACT ORDER
Maryland Spectral Services

0030324

Due	Time	Date	Laboratory ID	Comments
Sample ID:	0030324-04	OB-2	[REDACTED]	SAMPLE BOTTLES SAY MW-02
Water	Sampled: 03/03/20 13:15			
Alkalinity		Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate		Solids (Total Dissolved)	Sulfate	
<i>Containers Supplied:</i>				
Plastic, 0.25L H2SO4 (G)	Plastic, 0.5L None (I)	Plastic, 0.5L None (J)		
Sample ID:	0030324-06	MW-7	[REDACTED]	
Water	Sampled: 03/03/20 16:10			
Alkalinity		Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate		Solids (Total Dissolved)	Sulfate	
<i>Containers Supplied:</i>				
Plastic, 0.25L H2SO4 (G)	Plastic, 0.5L None (I)	Plastic, 0.5L None (J)		

Released By: [Signature] Date: 3/4/2020 11:54 Received By: [Signature] Date: _____

T 4.9

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
 1500 Caton Center Drive, Suite G
 Baltimore, MD 21227
 410-247-7600 • Fax 410-247-7602
 reporting@mdspectral.com

Matrix Codes: NW (non-potable water) PW (potable water)

Preservative: 1-H
 HCl, H₂SO₄,
 Methanol, Na₂S₂O₃,
 NaHCO₃

Field pH, Residual
 Chlorine, QC
 Request, Trip
 Blank, Field Blank

MSS Lab ID

Company Name: **EA**
 Project Name: **GNDE**
 Sampler(s): **A. Szamsci**
 Project Manager: **Laura Cakes**
 Project ID: **1556404**
 P.O. Number: **19541**

Field Sample ID	Date	Time	No. of Containers		
			Water	Soil	Other
MW-1B	3/4/20	0920	X		
MW-3A	3/4/20	1107	X		
MW-3B	3/4/20	1208	X		
OB-08A	3/4/20	1350	X		
OB-08	3/4/20	1510	X		
TRIP BLANK	3/4/20	-			

Analysis Requested		8260LL VOC	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

HCl, H₂SO₄, H₂O₂
 0030418-01
 -02
 -03
 -04
 -05

Relinquished by: (Signature) *[Signature]*
 Date/Time: 3/4/2020 1732
 Received by: (Signature) *[Signature]*
 Date/Time: 3/4/20 17:32
 Relinquished by: (Signature) *[Signature]*
 Date/Time: 3/4/20 17:32
 Received by: (Signature) *[Signature]*
 Date/Time: 3/4/20 17:32

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

Lab Use:
 Temp: 40 °C
 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:
Rachel Horner

SUBCONTRACT ORDER
Maryland Spectral Services

0030530

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons
Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone: (410) 472-1112
Fax: (410) 472-1116

Due 4:00 PM 03/16/20

Laboratory ID

Comments

Sample ID	MW	Water	Sampled	Conductance	Nitrogen, Ammonia
0030530-01	MW-24B	Water	03/05/20 09:30	Conductance	Nitrogen, Ammonia
Containers Supplied:					
Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)					
0030530-02	OB-40	Water	03/05/20 09:30	Conductance	Nitrogen, Ammonia
Containers Supplied:					
Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)					
0030530-03	MW-24A	Water	03/05/20 10:50	Conductance	Nitrogen, Ammonia
Containers Supplied:					
Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)					

By *Byrn* 3/6/20 805

FRD 3-6-20 0805

Released By _____ Date _____
Received By _____ Date _____

SUBCONTRACT ORDER
Maryland Spectral Services
0030530

Due 4:00 PM 03/16/20

Laboratory ID

Comments

Sample ID	MW	Water	Sampled	Conductance	Nitrogen, Ammonia
0030530-04	MW-22A	Water	03/05/20 12:22	Conductance	Nitrogen, Ammonia
<i>Containers Supplied:</i> Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)					
0030530-05	MW-22B	Water	03/05/20 13:25	Conductance	Nitrogen, Ammonia
<i>Containers Supplied:</i> Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)					
0030530-06	OB-025	Water	03/05/20 15:15	Conductance	Nitrogen, Ammonia
<i>Containers Supplied:</i> Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)					

Received By: *[Signature]* Date: *3/4/20 805*
 Received By: *FRD* Date: *3-6-20*
 Received By: *[Signature]* Date: *0805*

SUBCONTRACT ORDER
Maryland Spectral Services

0030917

SENDING LABORATORY:

Maryland Spectral Services
 1500 Caton Center Dr. Suite G
 Halethorpe, MD 21227
 Phone: 410.247.7600
 Project Manager: Cory Koons
 Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
 47 Loveton Circle, Suite K
 Sparks, MD 21152
 Phone: (410) 472-1112
 Fax: (410) 472-1116

Auto-Log Ser:
 Date/Time: 3/9/20 RH

Due 4:00 PM 03/18/20

Laboratory ID **Comments**

Sample ID: 0030917-01 MW-13B Water Sampled: 03/09/20 09:00
 Alkalinity Chloride Conductance
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate
 Containers Supplied:
 Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (H) Plastic, 0.5L None (I) Nitrogen, Ammonia

Sample ID: 0030917-02 OB-30 Water Sampled: 03/09/20 09:00
 Alkalinity Chloride Conductance
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate
 Containers Supplied:
 Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (H) Plastic, 0.5L None (I) Nitrogen, Ammonia

Sample ID: 0030917-03 MW-13A Water Sampled: 03/09/20 10:25
 Alkalinity Chloride Conductance
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate
 Containers Supplied:
 Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (H) Plastic, 0.5L None (I) Nitrogen, Ammonia

11145
 Released By: [Signature] Date: 3/10/20
 Received By: _____ Date: _____

SUBCONTRACT ORDER
 Maryland Spectral Services

0030917

Auto-log Sent
 3/9/20
 RH

Due 4:00 PM 03/18/20

Laboratory ID

Comments

Sample ID: 0030917-04 OB-04A

Water Sampled: 03/09/20 12:17

Water

Alkalinity Chloride Conductance
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate
 Containers Supplied:
 Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (H) Plastic, 0.5L None (I)

Nitrogen, Ammonia

Sample ID: 0030917-05 ST-120

Water Sampled: 03/09/20 11:15

Water

Alkalinity Chloride Conductance
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate
 Containers Supplied:
 Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (H) Plastic, 0.5L None (I)

Nitrogen, Ammonia

Sample ID: 0030917-06 OB-04

Water Sampled: 03/09/20 13:25

Water

Alkalinity Chloride Conductance
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate
 Containers Supplied:
 Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (H) Plastic, 0.5L None (I)

Nitrogen, Ammonia

Sample ID: 0030917-07 OB-105

Water Sampled: 03/09/20 14:40

Water

Alkalinity Chloride Conductance
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate
 Containers Supplied:
 Plastic, 0.25L H2SO4 (G) Plastic, 0.5L None (H) Plastic, 0.5L None (I)

Nitrogen, Ammonia

1175

Released By Sullivan Date 3/10/20
 Received By [Signature] Date

SUBCONTRACT ORDER
Maryland Spectral Services

0031027

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons
Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone: (410) 472-1112
Fax: (410) 472-1116

Auto-log Sent
Date/Initial
3/10/20 / RH

Sample ID	ST	Water	Sampled	Laboratory ID	Comments
0031027-01	ST-015	Water	03/10/20 10:00		
Alkalinity		Chloride			
Nitrogen, Nitrate		Solids (Total Dissolved)			Nitrogen, Ammonia
<i>Containers Supplied:</i>					
Plastic, 0.25L H2SO4 (H)		Plastic, 0.5L None (I)			
0031027-02	ST-70	Water	03/10/20 10:35		
Alkalinity		Chloride			
Nitrogen, Nitrate		Solids (Total Dissolved)			Nitrogen, Ammonia
<i>Containers Supplied:</i>					
Plastic, 0.25L H2SO4 (H)		Plastic, 0.5L None (I)			
0031027-03	ST-80	Water	03/10/20 11:10		
Alkalinity		Chloride			
Nitrogen, Nitrate		Solids (Total Dissolved)			Nitrogen, Ammonia
<i>Containers Supplied:</i>					
Plastic, 0.25L H2SO4 (H)		Plastic, 0.5L None (I)			

Received By: Jessica Wiles Date: 3/11/2020 13:37
 Received By: [Signature] Date: 3/10/20
 Received By: _____ Date: _____
 Received By: _____ Date: _____

Due	Time	Date	Laboratory ID	Comments
Sample ID: 0031027-04	MW-16A	Water	Sampled: 03/10/20 12:38	Conductance Sulfate Nitrogen, Ammonia
Containers Supplied: Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)				
Sample ID: 0031027-05	MW-16B	Water	Sampled: 03/10/20 13:33	Conductance Sulfate Nitrogen, Ammonia
Containers Supplied: Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)				
Sample ID: 0031027-06	MW-8	Water	Sampled: 03/10/20 14:35	Conductance Sulfate Nitrogen, Ammonia
Containers Supplied: Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)				
Sample ID: 0031027-07	OB-03	Water	Sampled: 03/10/20 15:22	Conductance Sulfate Nitrogen, Ammonia
Containers Supplied: Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)				

Released By: Lucretia Wynn 3/11/2020 13:37
 Date: _____
 Received By: [Signature]
 Date: _____

**SUBCONTRACT ORDER
Maryland Spectral Services**

0031112

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons
Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone : (410) 472-1112
Fax: (410) 472-1116

Auto-log Sent
Date/Initial
3/11/20 / RH

Due 4:00 PM 03/20/20

Laboratory ID

Comments

Sample ID: 0031112-01 OB-3A Water Sampled: 03/11/20 08:32



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031112-02 OB-11 Water Sampled: 03/11/20 10:00



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031112-03 OB-50 Water Sampled: 03/11/20 10:00



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

 3/12/20 FRD
 Released By Date Received By Date

Released By Date Received By Date

**SUBCONTRACT ORDER
Maryland Spectral Services**

0031112

Auto-log Sent
Date/Initial
3/11/20, RH

Due 4:00 PM 03/20/20

Laboratory ID

Comments

Sample ID: 0031112-04 OB-11A Water Sampled:03/11/20 10:52



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031112-05 MW-21A Water Sampled:03/11/20 11:56



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031112-06 MW-21B Water Sampled:03/11/20 13:12



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031112-07 OB-12 Water Sampled:03/11/20 14:38



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Released By RJ Date 3/12/20 Received By FRD Date

Released By _____ Date _____ Received By _____ Date _____

SUBCONTRACT ORDER
Maryland Spectral Services

0031112

Auto-log Sent
 Date/Initial
3/11/20 / RH

Due 4:00 PM 03/20/20

Laboratory ID

Comments

Sample ID: 0031112-08

OB-015

Water

Sampled: 03/11/20 15:49



Alkalinity	Chloride	Conductance	Nitrogen, Ammonia
Nitrogen, Nitrate	Solids (Total Dissolved)	Sulfate	

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

[Signature] 3/12/20 FRD

Released By Date Received By Date

Released By Date Received By Date

SUBCONTRACT ORDER
Maryland Spectral Services

0031224

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone : (410) 472-1112
Fax: (410) 472-1116

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons
Reports Email: Reporting@mdspectral.com

NOV-03 SENT
2/12/20 KD

Due 4:00 PM 03/23/20

Sample ID: 0031224-01 MW-19A Water Sampled: 03/12/20 09:03
Alkalinity
Nitrogen, Nitrate Chloride
 Solids (Total Dissolved) Conductance
 Sulfate Nitrogen, Ammonia

Containers Supplied:
 Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031224-02 MW-19B Water Sampled: 03/12/20 09:58
Alkalinity
Nitrogen, Nitrate Chloride
 Solids (Total Dissolved) Conductance
 Sulfate Nitrogen, Ammonia

Containers Supplied:
 Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031224-03 MW-6 Water Sampled: 03/12/20 11:11
Alkalinity
Nitrogen, Nitrate Chloride
 Solids (Total Dissolved) Conductance
 Sulfate Nitrogen, Ammonia

Containers Supplied:
 Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)



Released By: JK Date: 3/13/20 Received By: KS Date: _____
 Released By: _____ Date: _____ Received By: _____ Date: _____

T=5.0

SUBCONTRACT ORDER
Maryland Spectral Services

0031224

Due	Time	Date	Laboratory ID	Comments
Sample ID:	0031224-04	OB-01	Water	Sampled: 03/12/20 12:25
Alkalinity			Chloride	Conductance
Nitrogen, Nitrate			Solids (Total Dissolved)	Sulfate
<i>Containers Supplied:</i>				
Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)				
Sample ID:	0031224-05	MW-23A	Water	Sampled: 03/12/20 14:00
Alkalinity			Chloride	Conductance
Nitrogen, Nitrate			Solids (Total Dissolved)	Sulfate
<i>Containers Supplied:</i>				
Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)				
Sample ID:	0031224-06	MW-23B	Water	Sampled: 03/12/20 15:49
Alkalinity			Chloride	Conductance
Nitrogen, Nitrate			Solids (Total Dissolved)	Sulfate
<i>Containers Supplied:</i>				
Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)				

Released By:  Date: 3/13/20
 Received By:  Date: _____
 Released By: _____ Date: _____
 Received By: _____ Date: _____

SUBCONTRACT ORDER
Maryland Spectral Services

0031614

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone: (410) 472-1112
Fax: (410) 472-1116

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons

Reports Email: Reporting@mdspectral.com

Auto-log Sent
Date/Initial: 3/10/20 / RH

Due 4:00 PM 03/25/20

Laboratory ID **Comments**

Sample ID: 0031614-01 **OB-10** **Water** **Sampled: 03/16/20 08:20**

Alkalinity Chloride
Nitrogen, Nitrate Solids (Total Dissolved)

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031614-02 **MW-4** **Water** **Sampled: 03/16/20 09:10**

Alkalinity Chloride
Nitrogen, Nitrate Solids (Total Dissolved)

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031614-03 **MW-12** **Water** **Sampled: 03/16/20 10:45**

Alkalinity Chloride
Nitrogen, Nitrate Solids (Total Dissolved)

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

15:32
3/17/20
B. Hancock
3/17/20
1532
402

Released By _____ Date _____
Received By _____ Date _____

Date/Initial
3/16/20, RH

SUBCONTRACT ORDER
Maryland Spectral Services

0031614

Due 4:00 PM 03/25/20

Laboratory ID

Comments

Sample ID: 0031614-04 MW11A Water Sampled: 03/16/20 12:36

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031614-05 MW-11B Water Sampled: 03/16/20 13:44

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Sample ID: 0031614-06 MW-10 Water Sampled: 03/16/20 15:34

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

 15:52
 3/17/20 3/17/20 1532 4.0°C
 Released By _____ Date _____ Received By _____ Date _____

SUBCONTRACT ORDER
Maryland Spectral Services

0031717

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons
Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone: (410) 472-1112
Fax: (410) 472-1116

3/18/20 RM

Due 4:00 PM 03/26/20

Laboratory ID

Comments

Sample ID	MW	Water	Sampled	Conductance	Comments
0031717-01	MW-15	Water	03/17/20 10:10	Conductance	Nitrogen, Ammonia
		Chloride		Sulfate	
		Solids (Total Dissolved)			
<i>Containers Supplied:</i>					
		Plastic, 0.25L H2SO4 (H)			
		Plastic, 0.5L None (I)			
		Plastic, 0.5L None (J)			
0031717-02	MW-14A	Water	03/17/20 13:27	Conductance	Nitrogen, Ammonia
		Chloride		Sulfate	
		Solids (Total Dissolved)			
<i>Containers Supplied:</i>					
		Plastic, 0.25L H2SO4 (H)			
		Plastic, 0.5L None (I)			
		Plastic, 0.5L None (J)			
0031717-03	MW-14B	Water	03/17/20 11:35	Conductance	Nitrogen, Ammonia
		Chloride		Sulfate	
		Solids (Total Dissolved)			
<i>Containers Supplied:</i>					
		Plastic, 0.25L H2SO4 (H)			
		Plastic, 0.5L None (I)			
		Plastic, 0.5L None (J)			

Used By: *WMA* 3/18/2020 10:24
 Received By: _____ Date: _____
 Received By: _____ Date: _____

SUBCONTRACT ORDER
Maryland Spectral Services

0031717

Autocog Sent
Date Initial
3/18/20 RH

Due 4:00 PM 03/26/20

Laboratory ID

Comments

Sample ID: 0031717-04 MW-9

Water Sampled: 03/17/20 14:48

Alkalinity

Nitrogen, Nitrate

Chloride

Solids (Total Dissolved)

Conductance

Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.5L None (J)

Received By: [Signature] Date: 3/18/2020 10:24
Received By: [Signature] Date: [Blank] 13.1

SUBCONTRACT ORDER
Maryland Spectral Services

0030222

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons
Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone :(410) 472-1112
Fax: (410) 472-1116

Due 4:00 PM 03/11/20

Laboratory ID

Comments

Sample ID: 0030222-01 OB-07 Water Sampled: 03/02/20 10:36

Alkalinity	Chloride	Conductance	Nitrogen, Nitrate	Sulfate	Nitrogen, Ammonia
	Solids (Total Dissolved)				

Containers Supplied:

Plastic, 0.25L H2SO4 (H) ~~Plastic, 0.5L None (J)~~

Sample ID: 0030222-02 OB-07A Water Sampled: 03/02/20 11:45

Alkalinity	Chloride	Conductance	Nitrogen, Nitrate	Sulfate	Nitrogen, Ammonia
	Solids (Total Dissolved)				

Containers Supplied:

Plastic, 0.25L H2SO4 (H) ~~Plastic, 0.5L None (J)~~

Sample ID: 0030222-03 OB-06 Water Sampled: 03/02/20 13:30

Alkalinity	Chloride	Conductance	Nitrogen, Nitrate	Sulfate	Nitrogen, Ammonia
	Solids (Total Dissolved)				

Containers Supplied:

Plastic, 0.25L H2SO4 (H) ~~Plastic, 0.5L None (J)~~

Released By: *[Signature]* Date: 3/4/2020 11:54
 Received By: *[Signature]* Date: *T=4.9*

SUBCONTRACT ORDER
Maryland Spectral Services

0030222

Due 4:00 PM 03/11/20

Laboratory ID

Comments

Sample ID: 0030222-05
Alkalinity
Nitrogen, Nitrate

MW-2A

Water

Sampled: 03/02/20 15:30

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) ~~Plastic, 0.5L None (D)~~

Sample ID: 0030222-06
Alkalinity
Nitrogen, Nitrate

ST-065

Water

Sampled: 03/02/20 13:00

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) ~~Plastic, 0.5L None (D)~~

Received By: *[Signature]* Date: 3/4/2020 11:54

Tedg

SUBCONTRACT ORDER
Maryland Spectral Services

0030418

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons

Reports Email: Reporting@mdspectral.com

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc
47 Loveton Circle, Suite K
Sparks, MD 21152
Phone: (410) 472-1112
Fax: (410) 472-1116

Auto-log Sent
Date/Initial
3/4/20 / RH

Due 4:00 PM 03/13/20

Laboratory ID

Comments

Sample ID: 0030418-01 MW-1

Water Sampled: 03/04/20 09:20

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.25L None (J)

Sample ID: 0030418-02 MW-3A

Water Sampled: 03/04/20 11:07

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.25L None (J)

Sample ID: 0030418-03 MW-3B

Water Sampled: 03/04/20 12:08

Alkalinity
Nitrogen, Nitrate


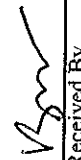
Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.25L None (J)

Released By:  Date: 3/5/20
Received By:  Date: 3/5/20

15:47

T = 48°C

Date/Initial
3/4/20 RH

SUBCONTRACT ORDER
Maryland Spectral Services

0030418

Due 4:00 PM 03/13/20

Laboratory ID Comments

Sample ID: 0030418-04 OB-08A Water Sampled: 03/04/20 13:50

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.25L None (J)

Sample ID: 0030418-05 OB-08 Water Sampled: 03/04/20 15:10

Alkalinity
Nitrogen, Nitrate

Chloride
Solids (Total Dissolved)

Conductance
Sulfate

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (H) Plastic, 0.5L None (I) Plastic, 0.25L None (J)

[Signature] 15:47
3/5/20 *[Signature]*

Released By _____ Date _____ Received By _____ Date _____
Released By _____ Date _____ Received By _____ Date _____

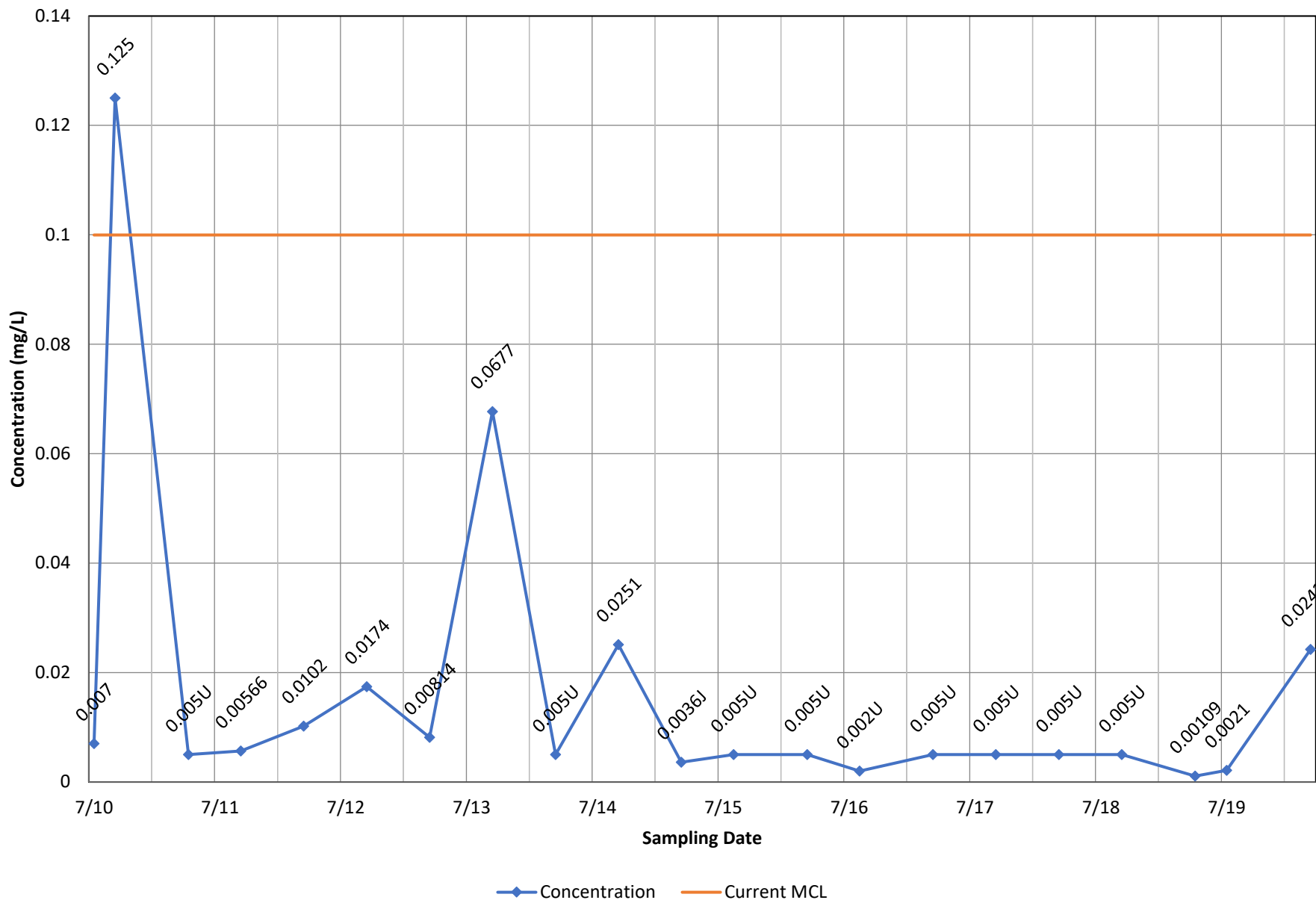
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Appendix D

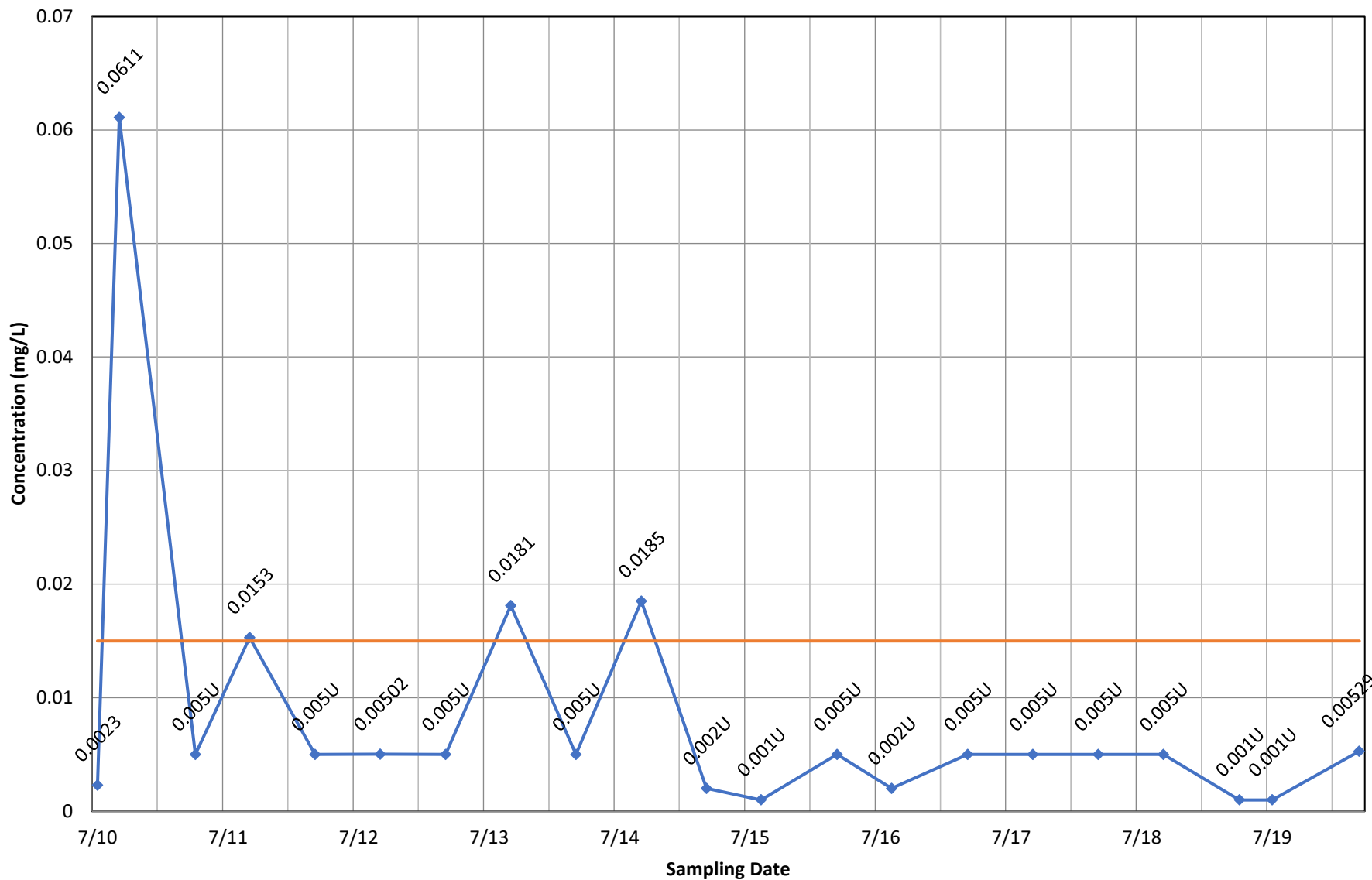
**Maximum Contaminant Level
Exceedance Graphs**

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Monitoring Well MW-10 - Chromium, total

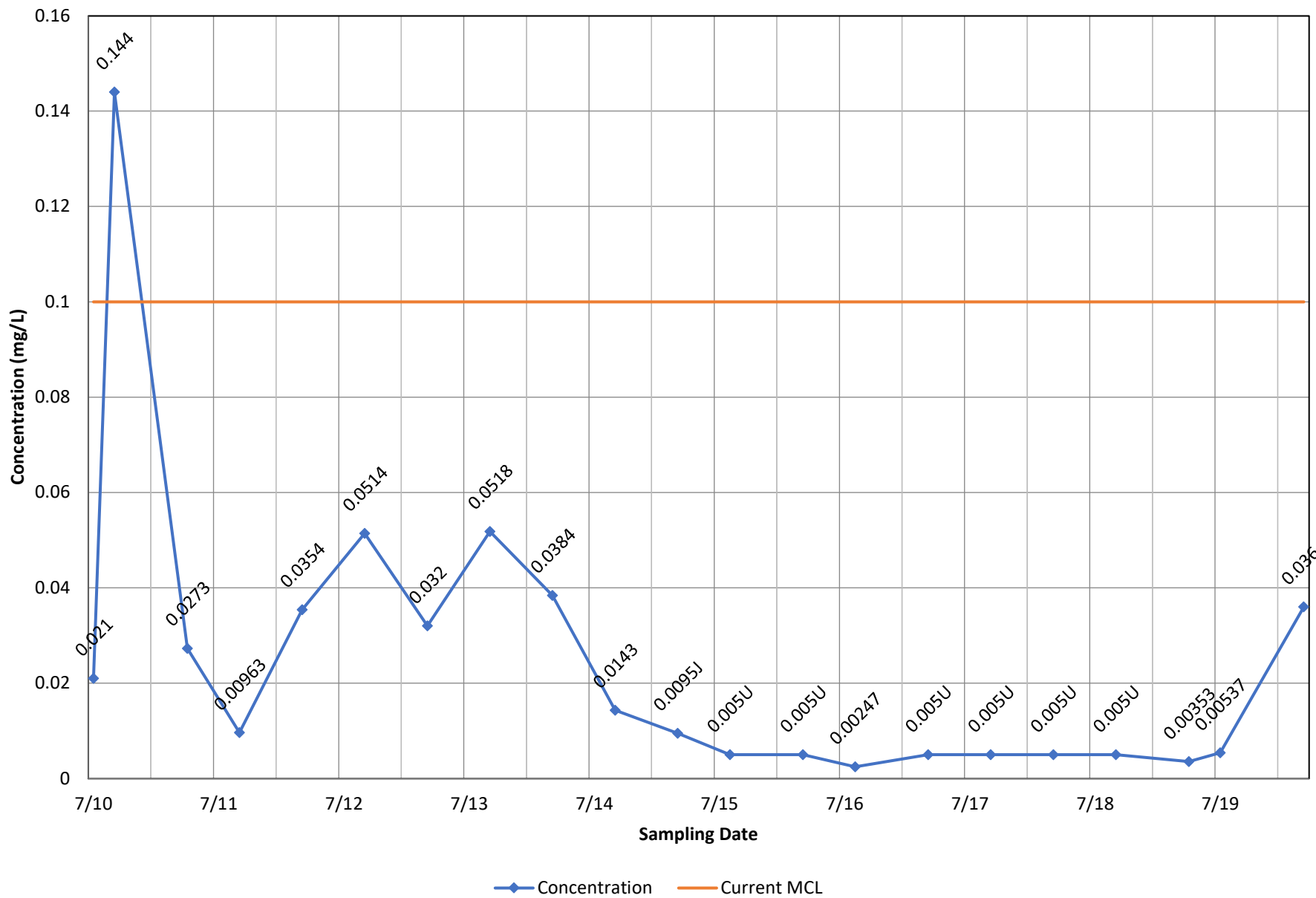


Monitoring Well MW-10 - Lead, total

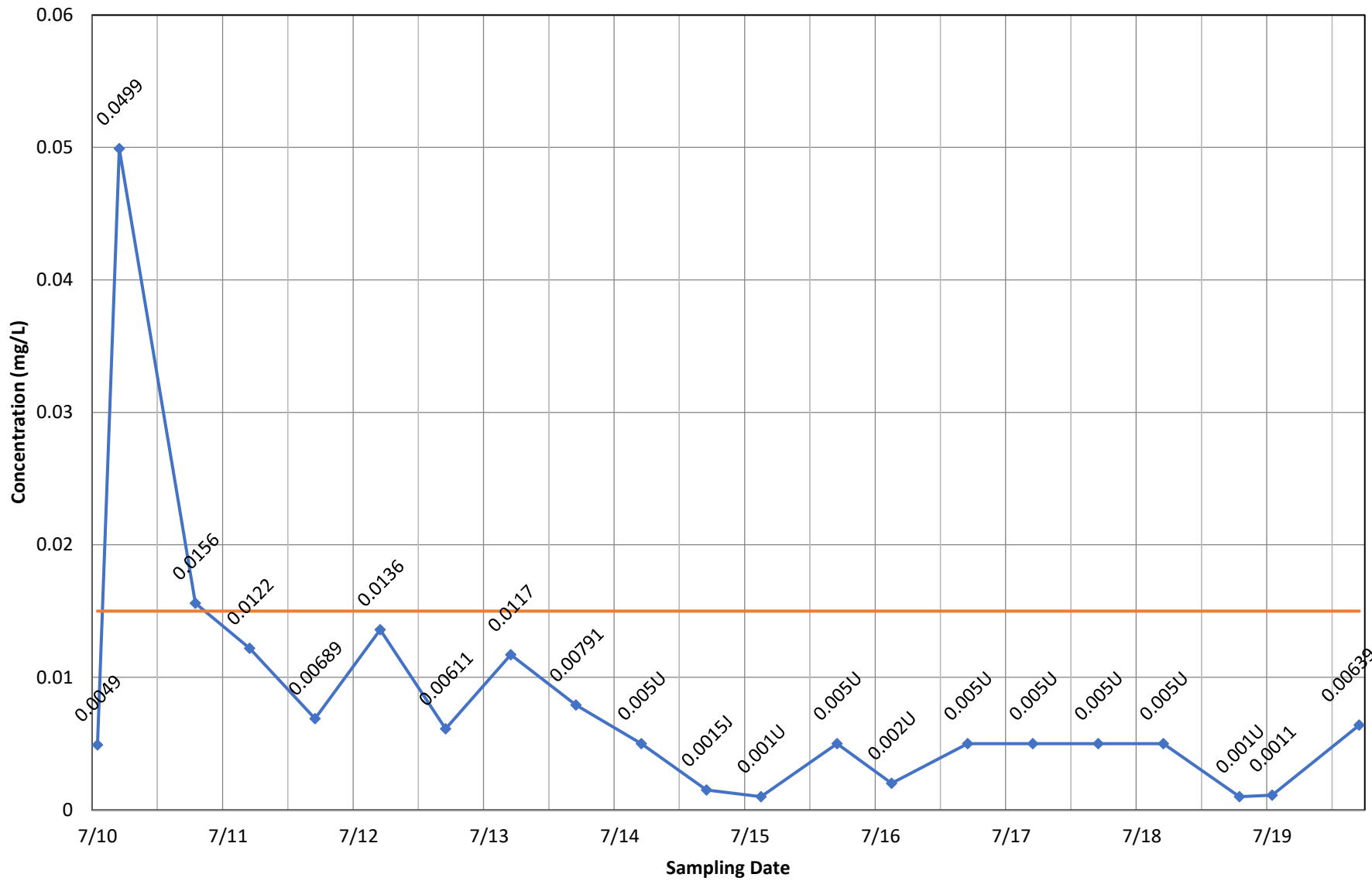


◆ Concentration — Current MCL

Monitoring Well MW-11A - Chromium, total

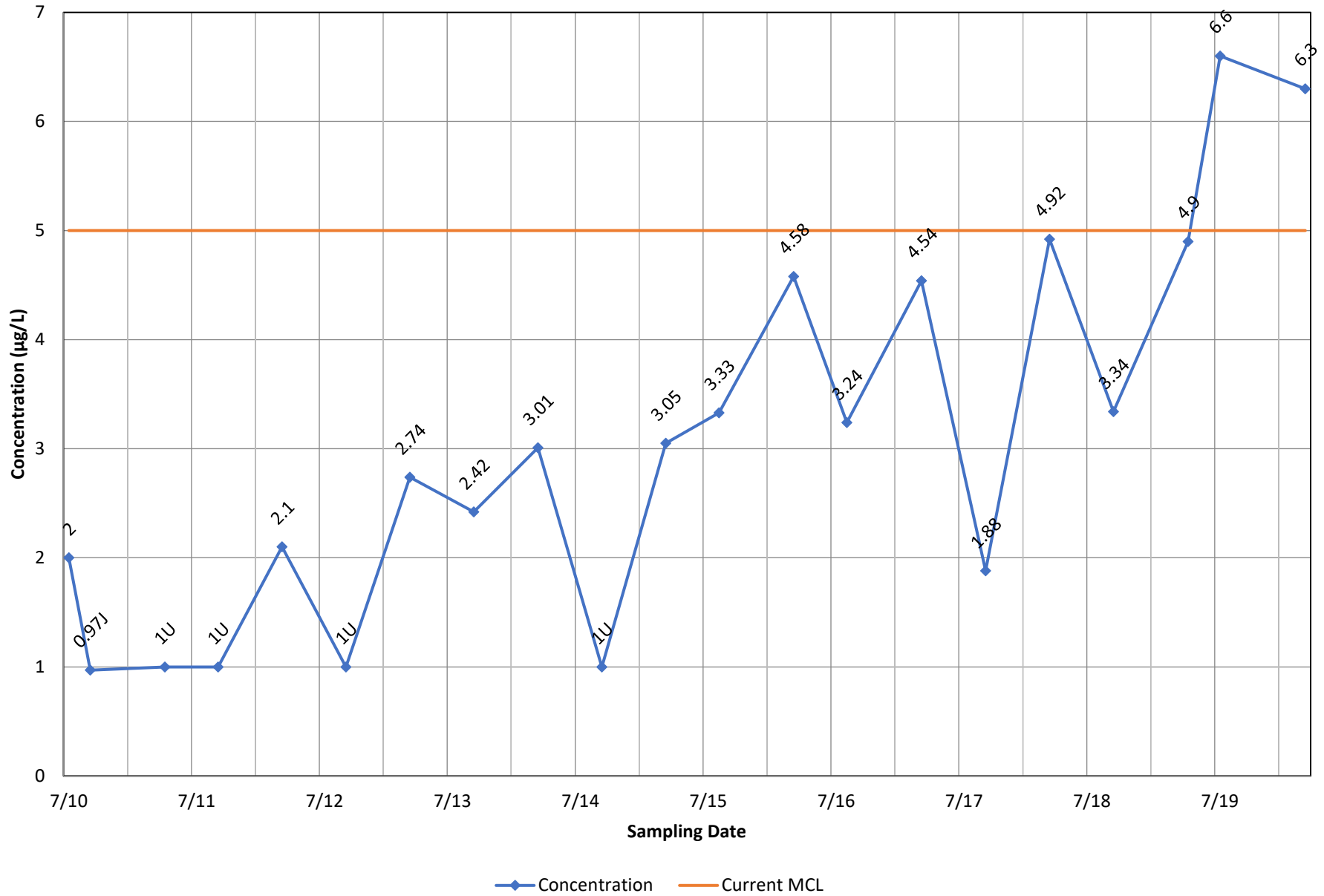


Monitoring Well MW-11A - Lead, total

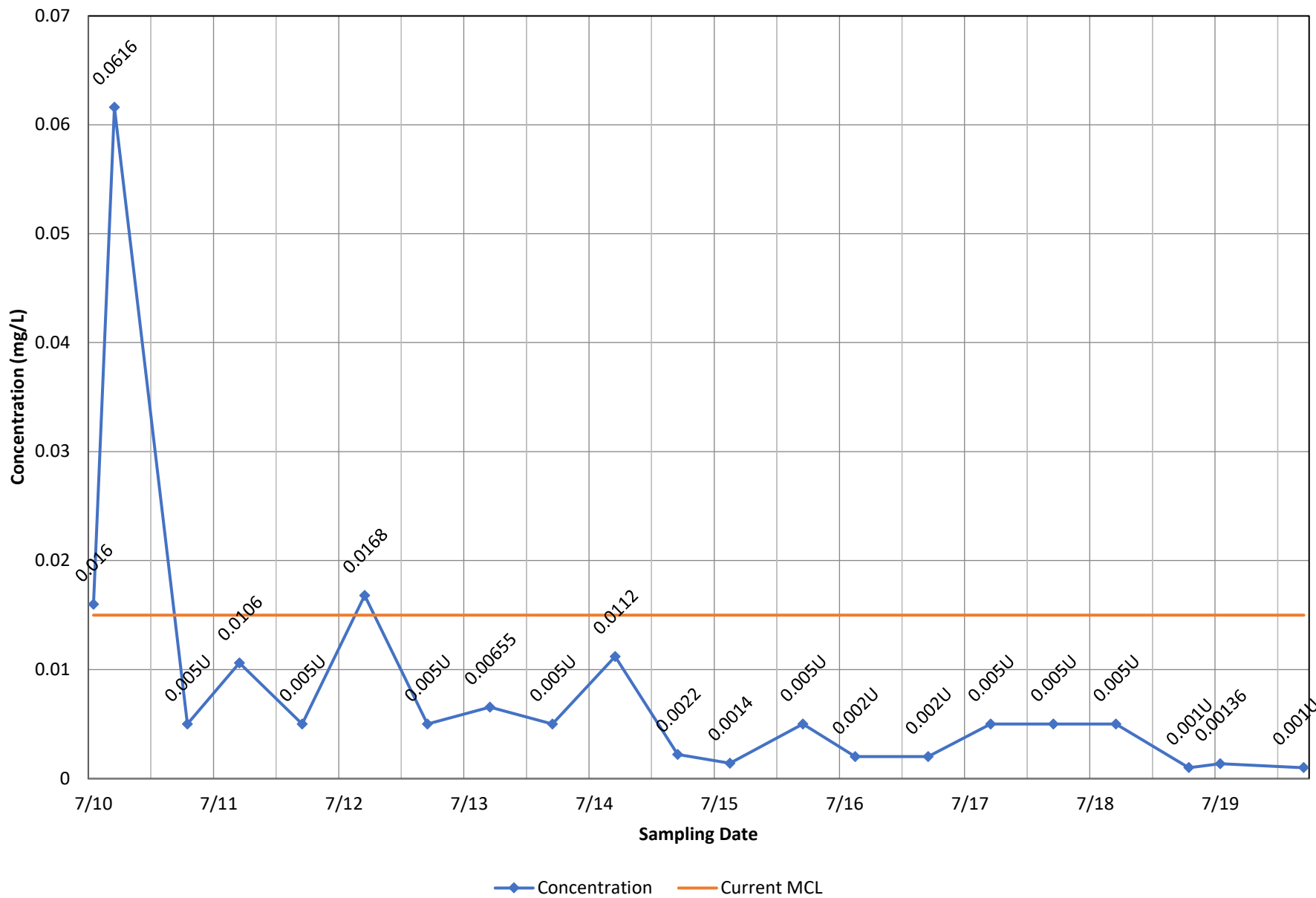


◆ Concentration — Current MCL

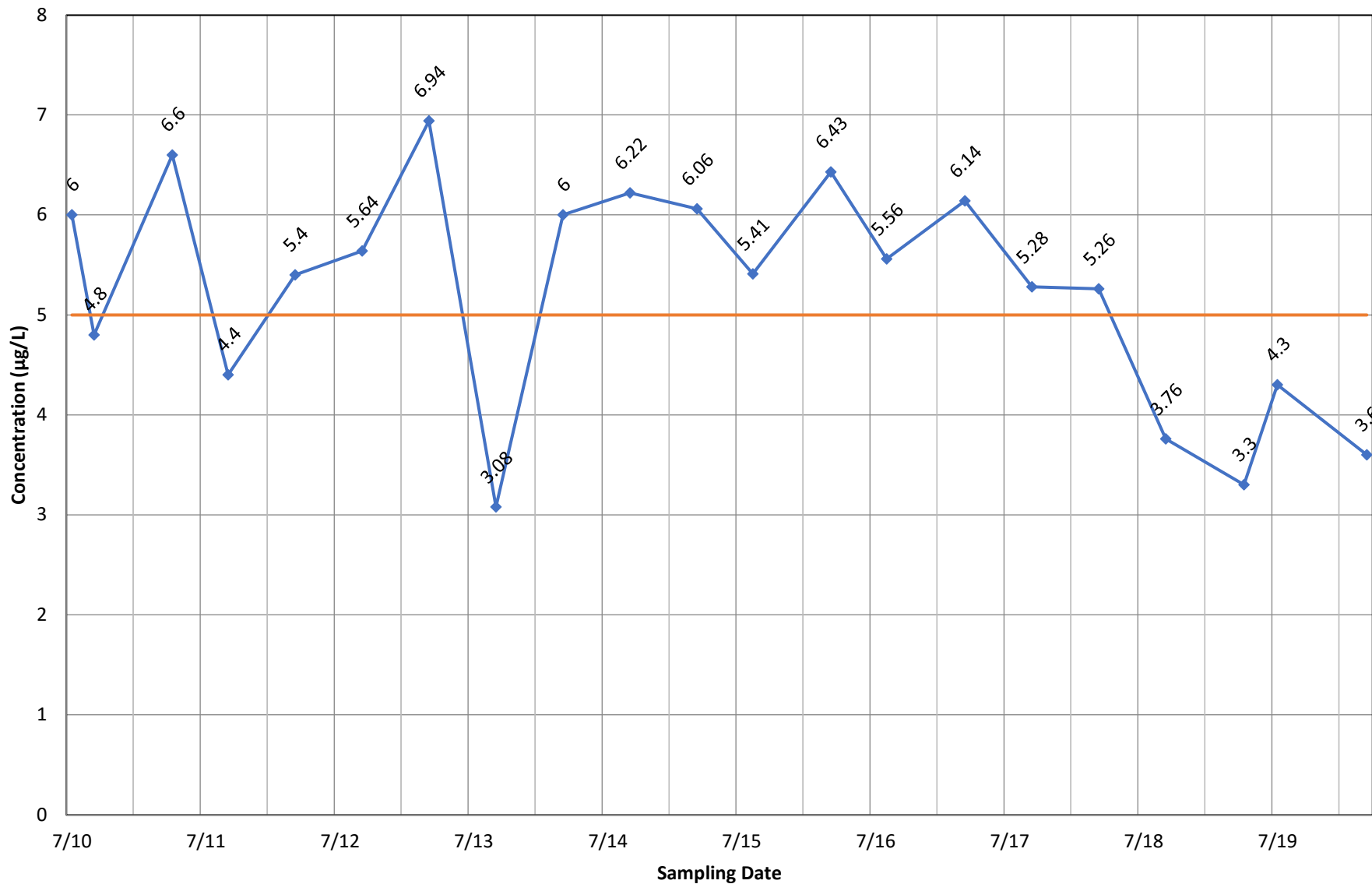
Monitoring Well MW-11B - Tetrachloroethene



Monitoring Well MW-12 - Lead, total

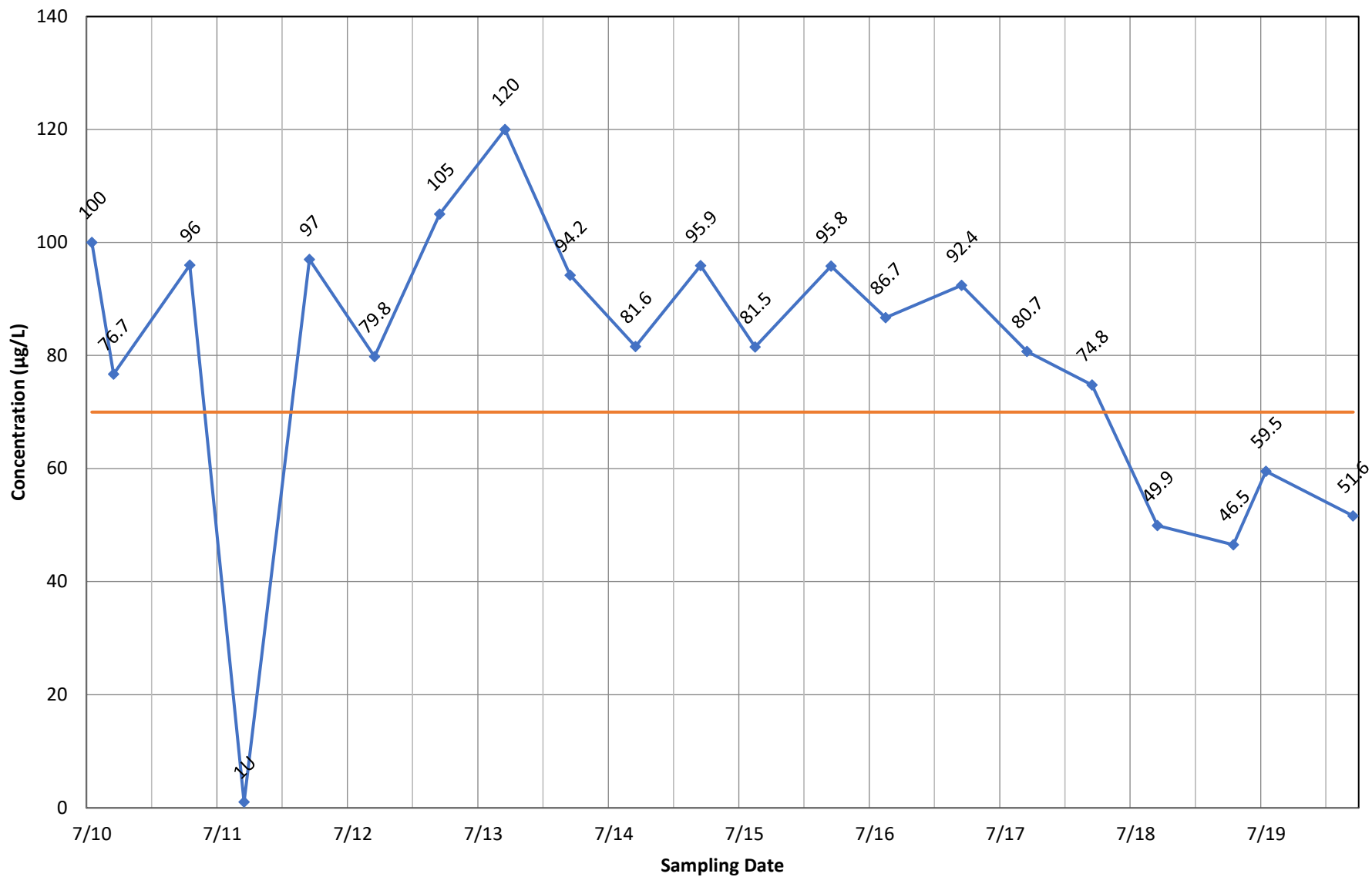


Monitoring Well MW-13A - 1,2-Dichloropropane



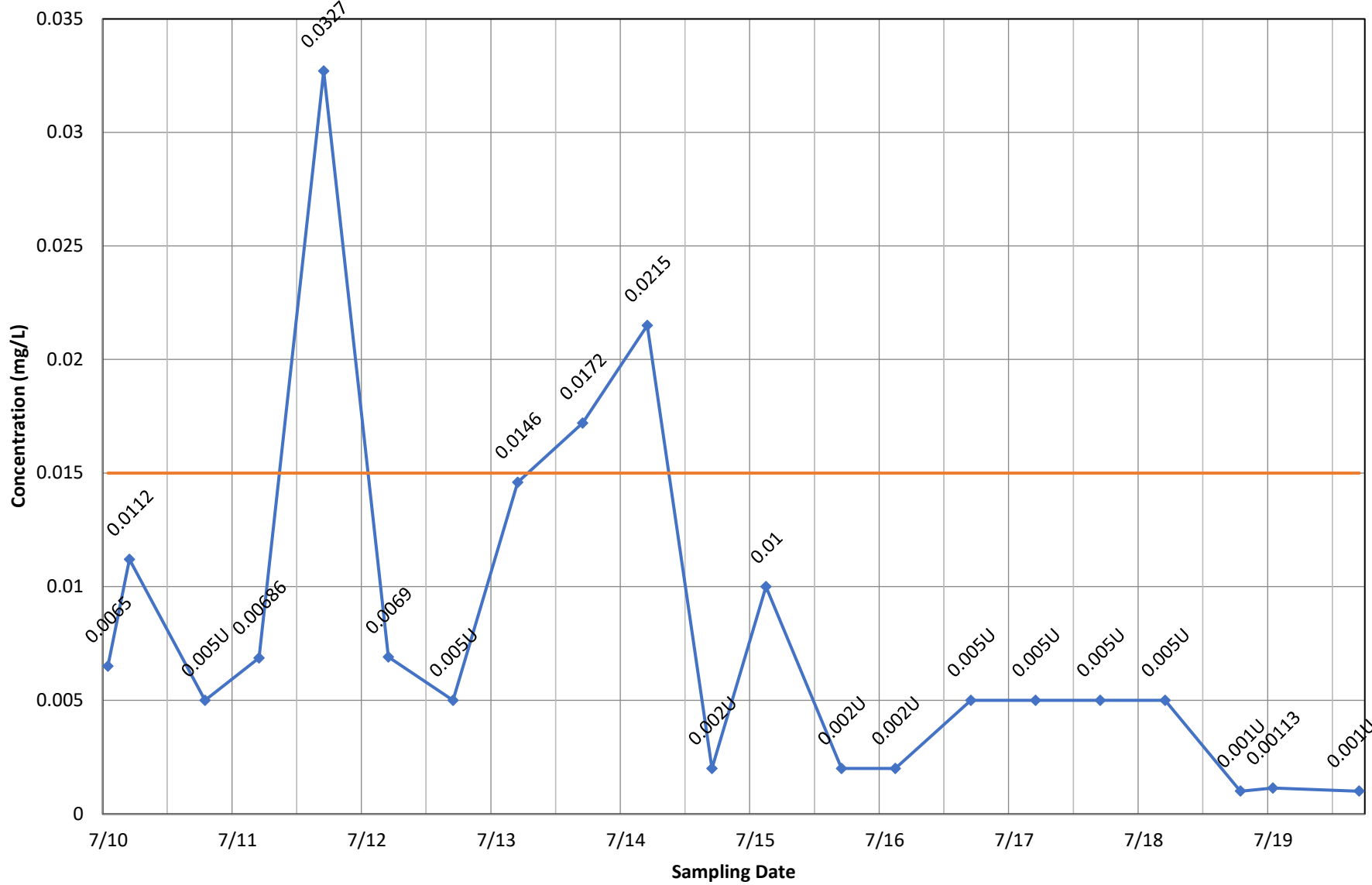
◆ Concentration — Current MCL

Monitoring Well MW-13A - cis-1,2-Dichloroethene



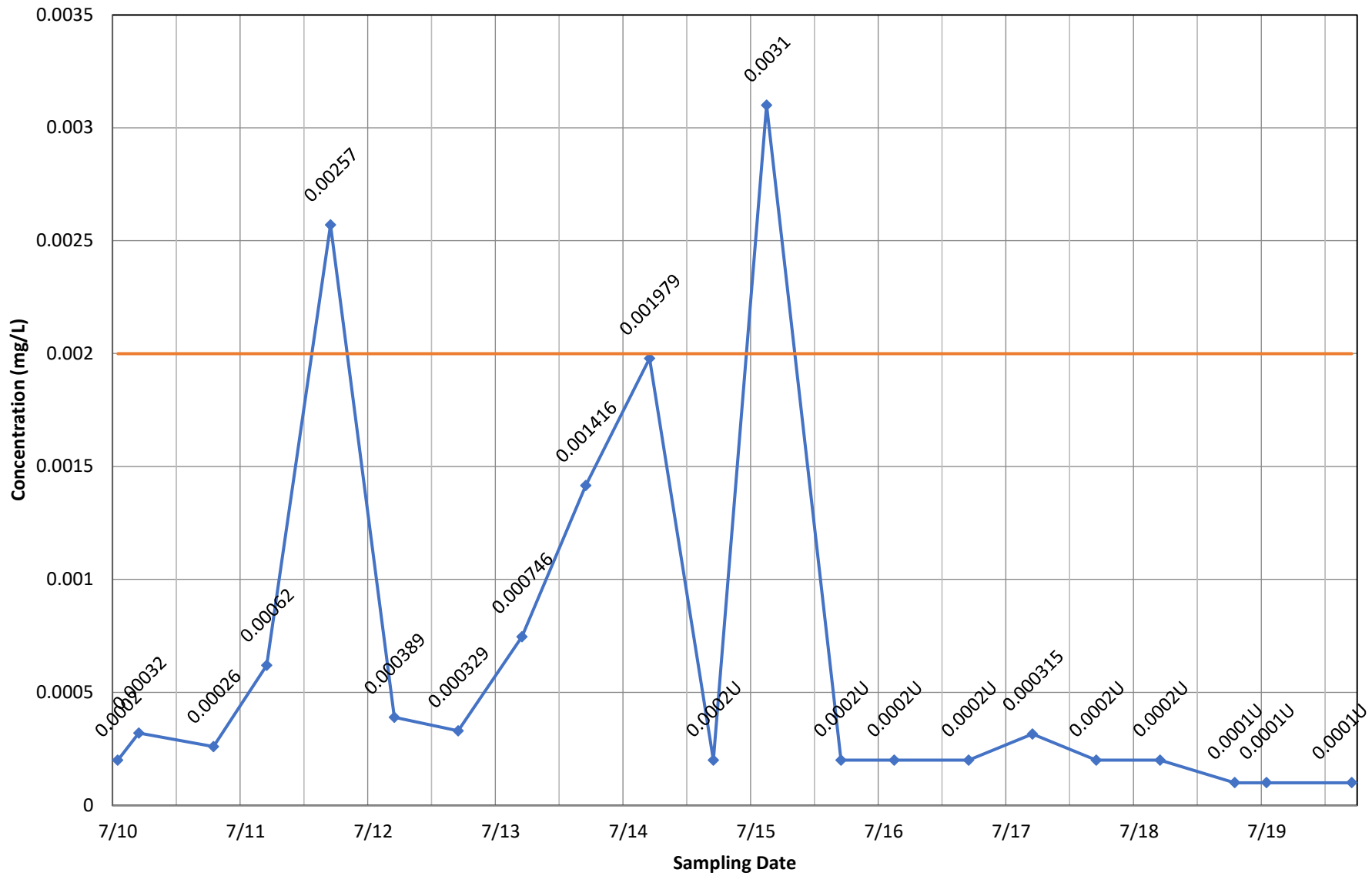
◆ Concentration — Current MCL

Monitoring Well MW-13A - Lead, total



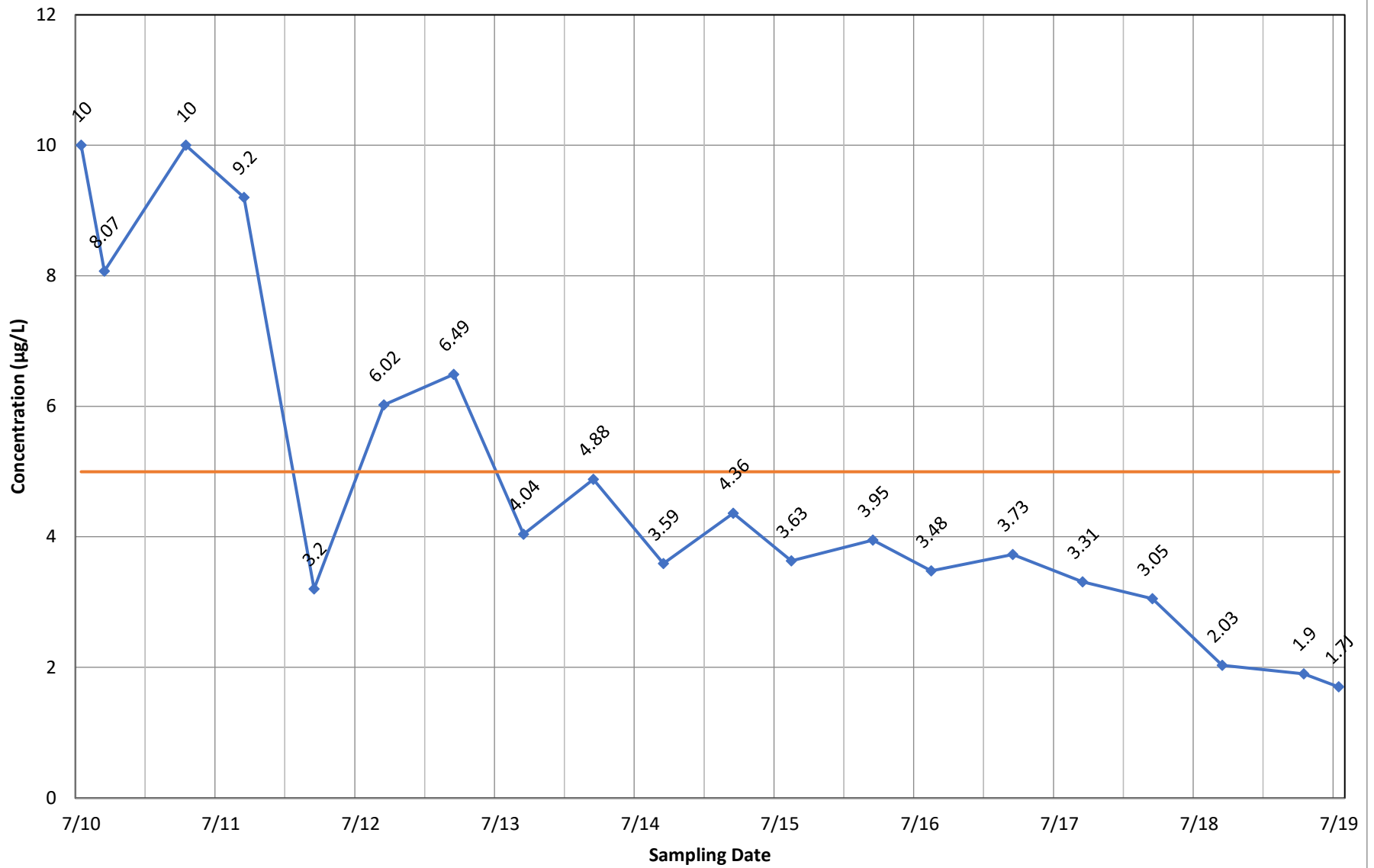
◆ Concentration — Current MCL

Monitoring Well MW-13A - Mercury, total



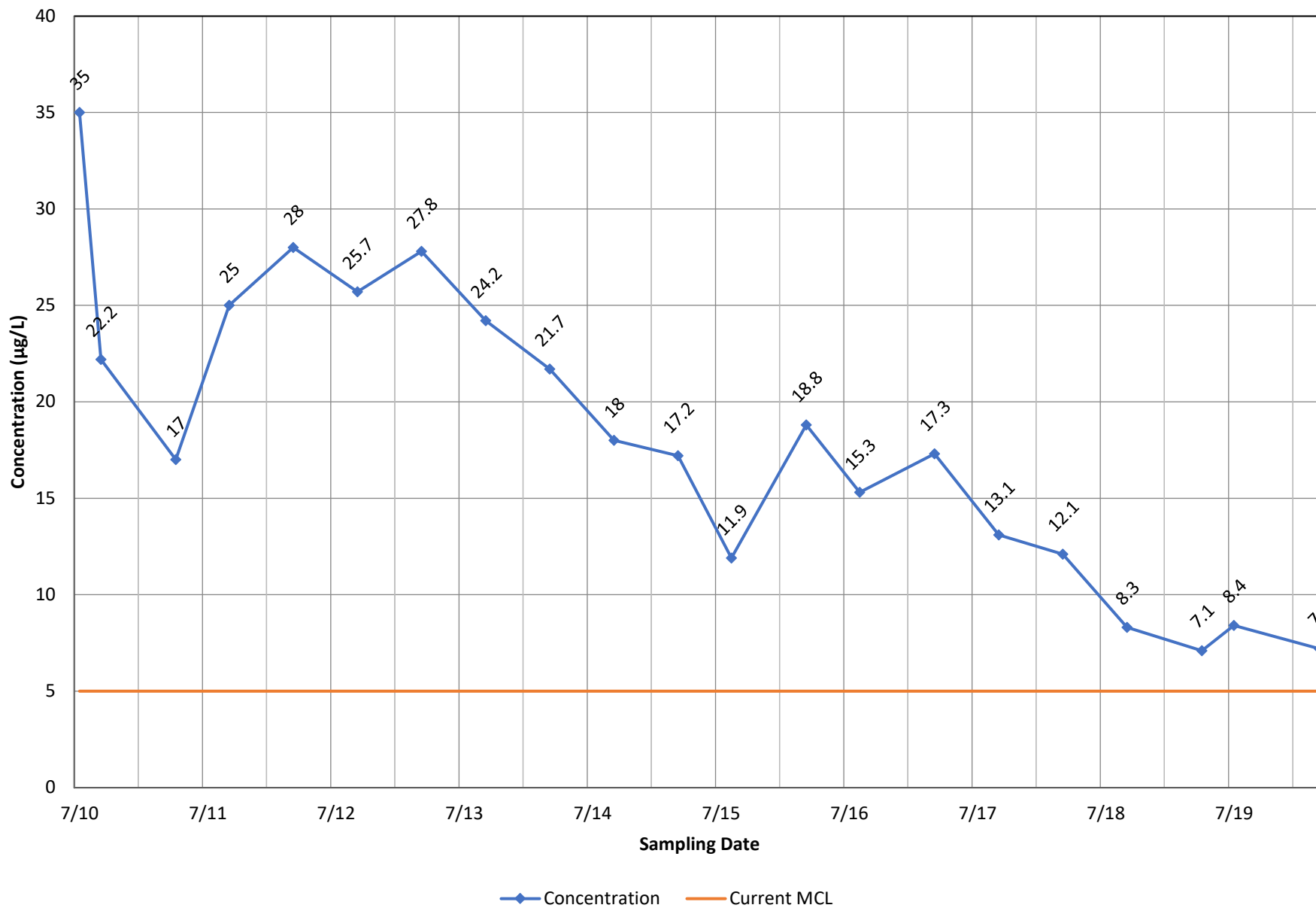
◆ Concentration — Current MCL

Monitoring Well MW-13A - Methylene Chloride

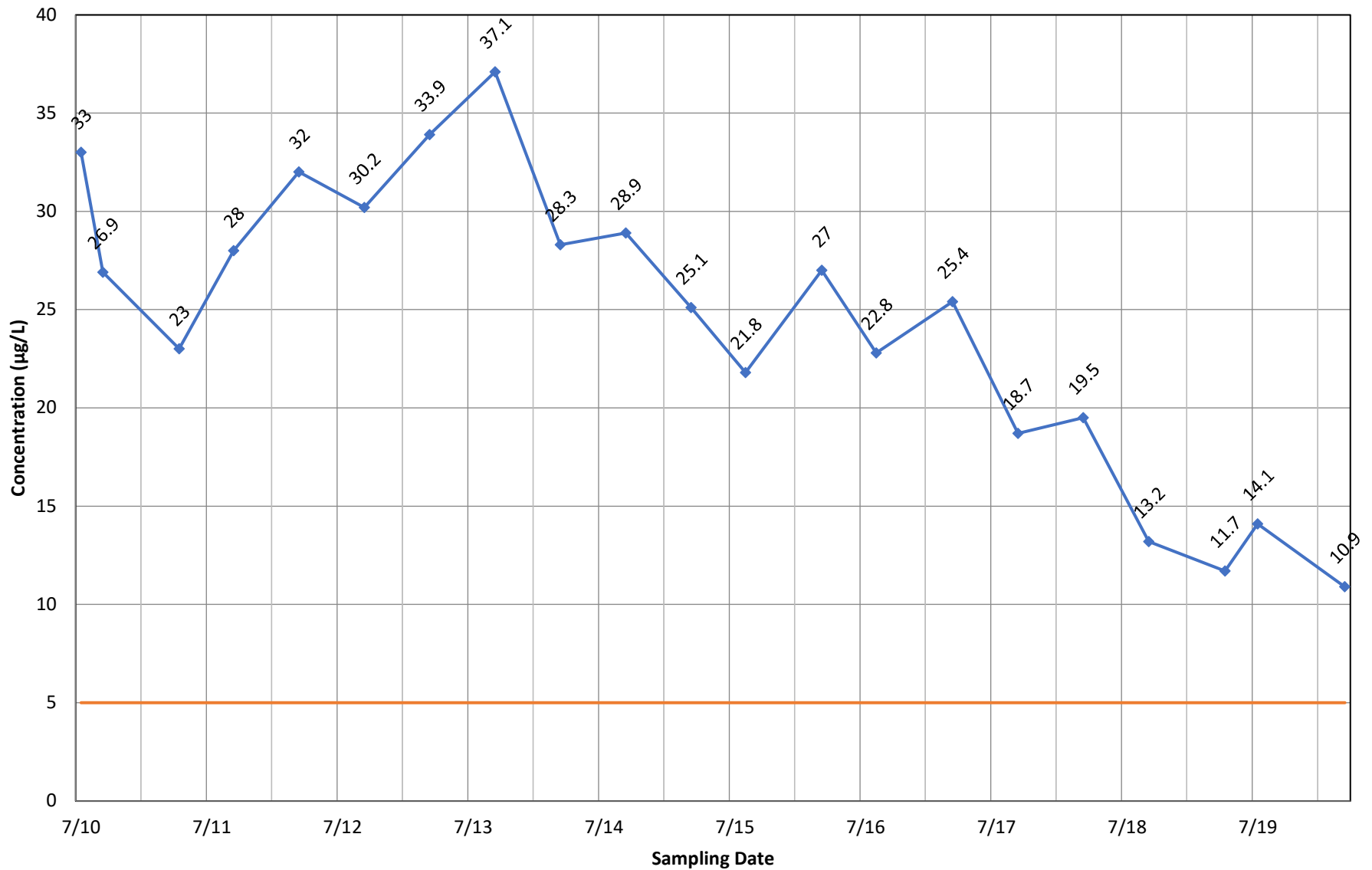


◆ Concentration — Current MCL

Monitoring Well MW-13A - Tetrachloroethene

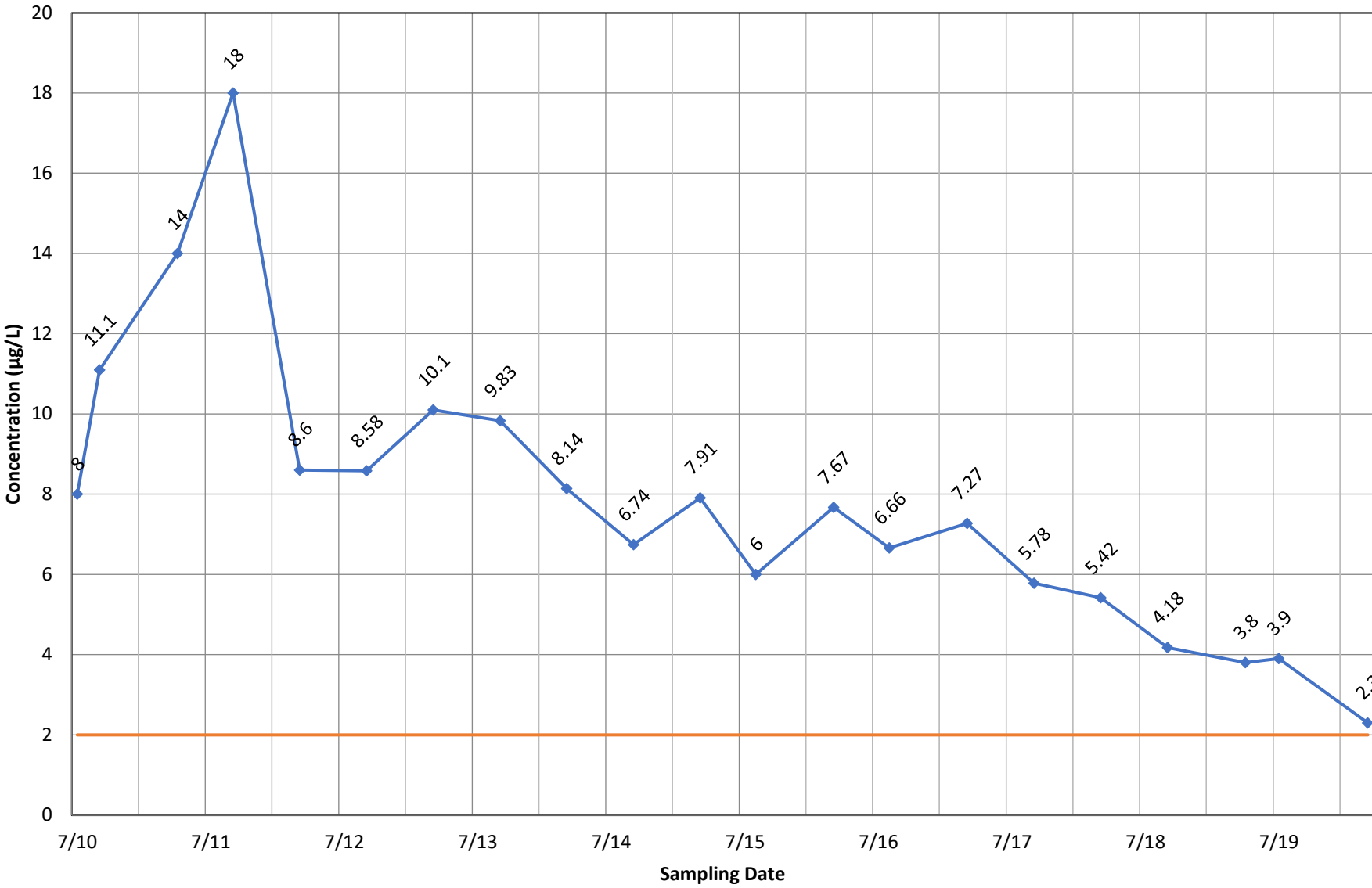


Monitoring Well MW-13A - Trichloroethene



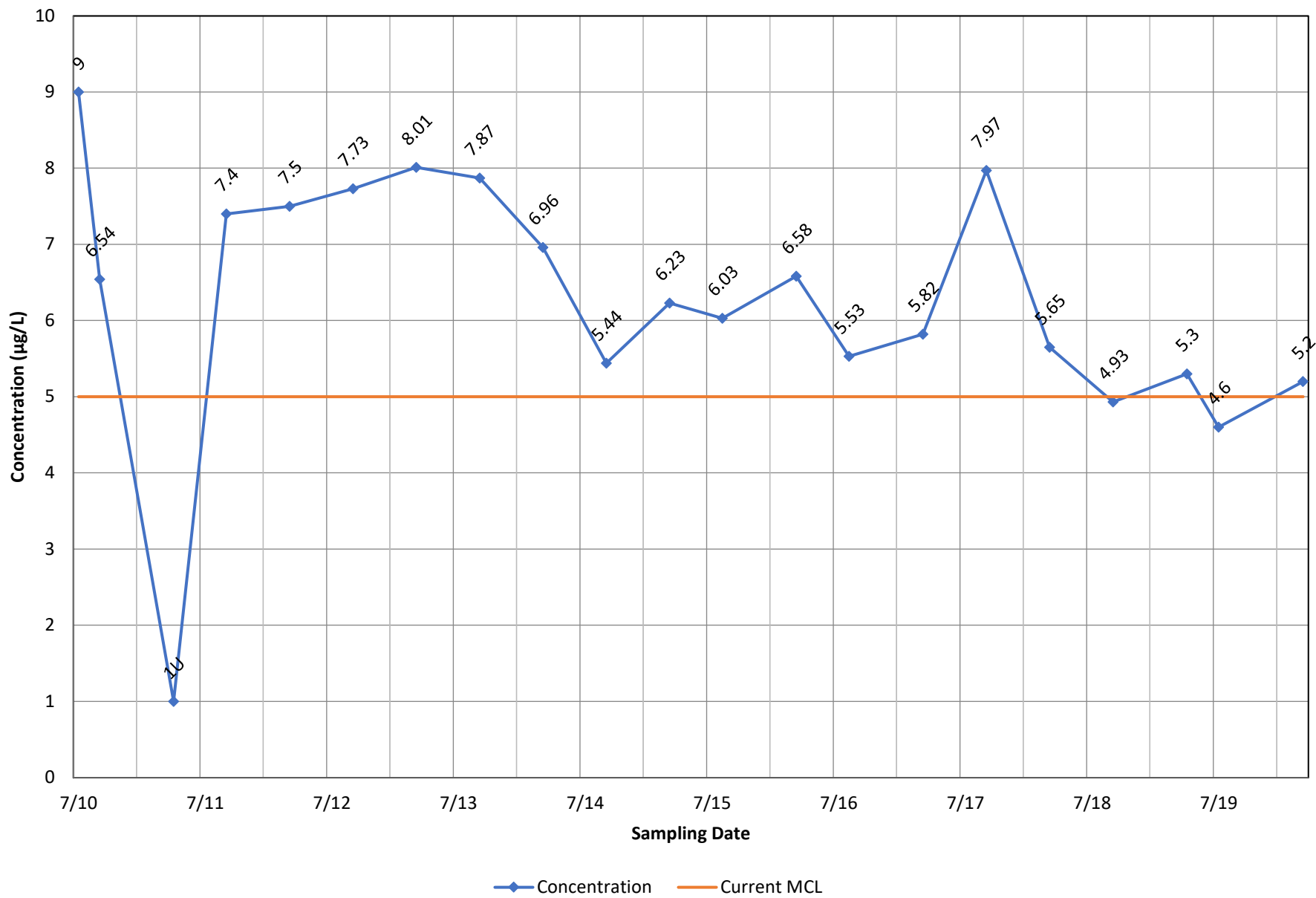
—◆— Concentration — Current MCL

Monitoring Well MW-13A - Vinyl Chloride

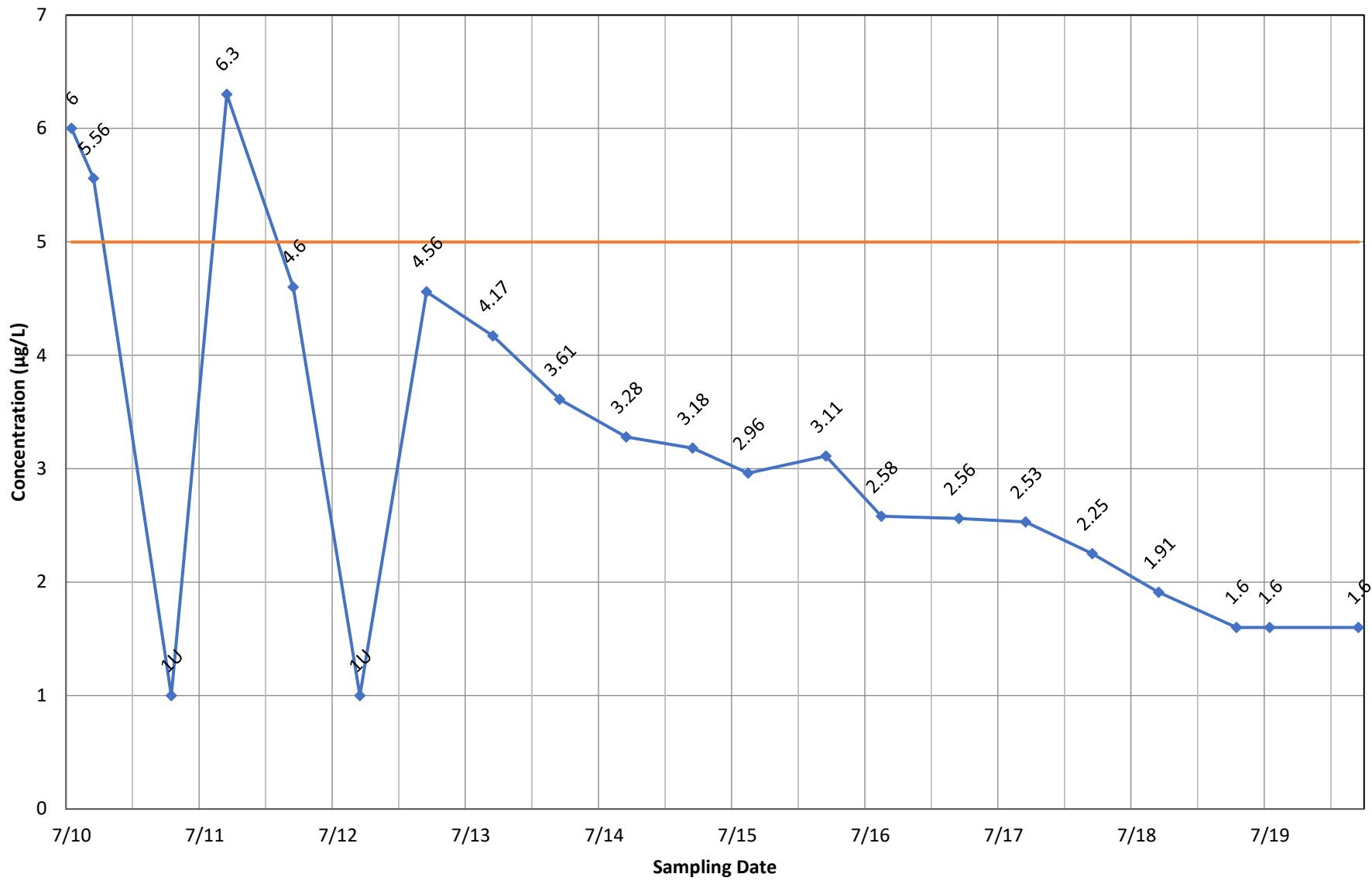


◆ Concentration — Current MCL

Monitoring Well MW-13B - 1,2-Dichloropropane

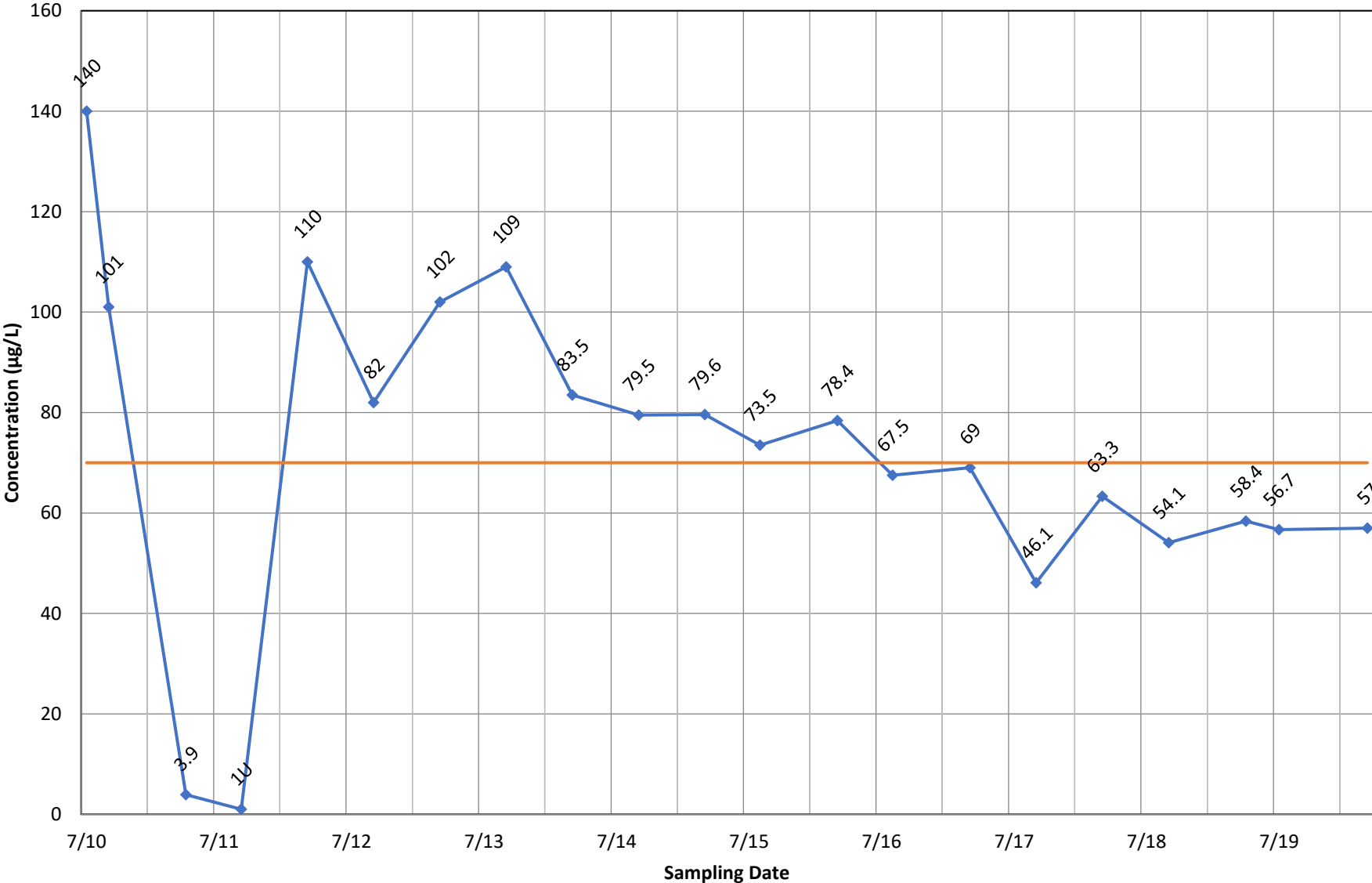


Monitoring Well MW-13B - Benzene



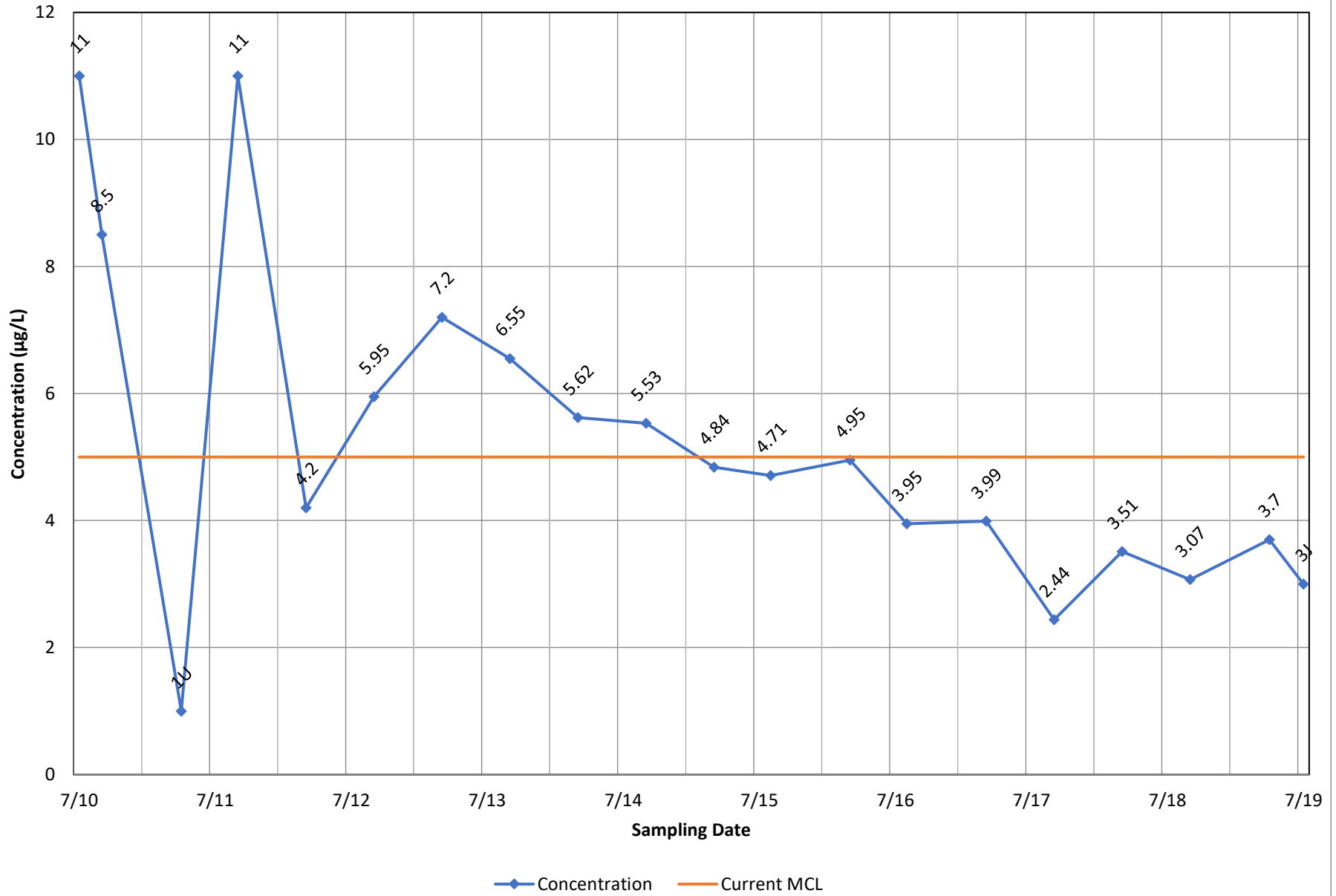
◆ Concentration — Current MCL

Monitoring Well MW-13B - cis-1,2-Dichloroethene

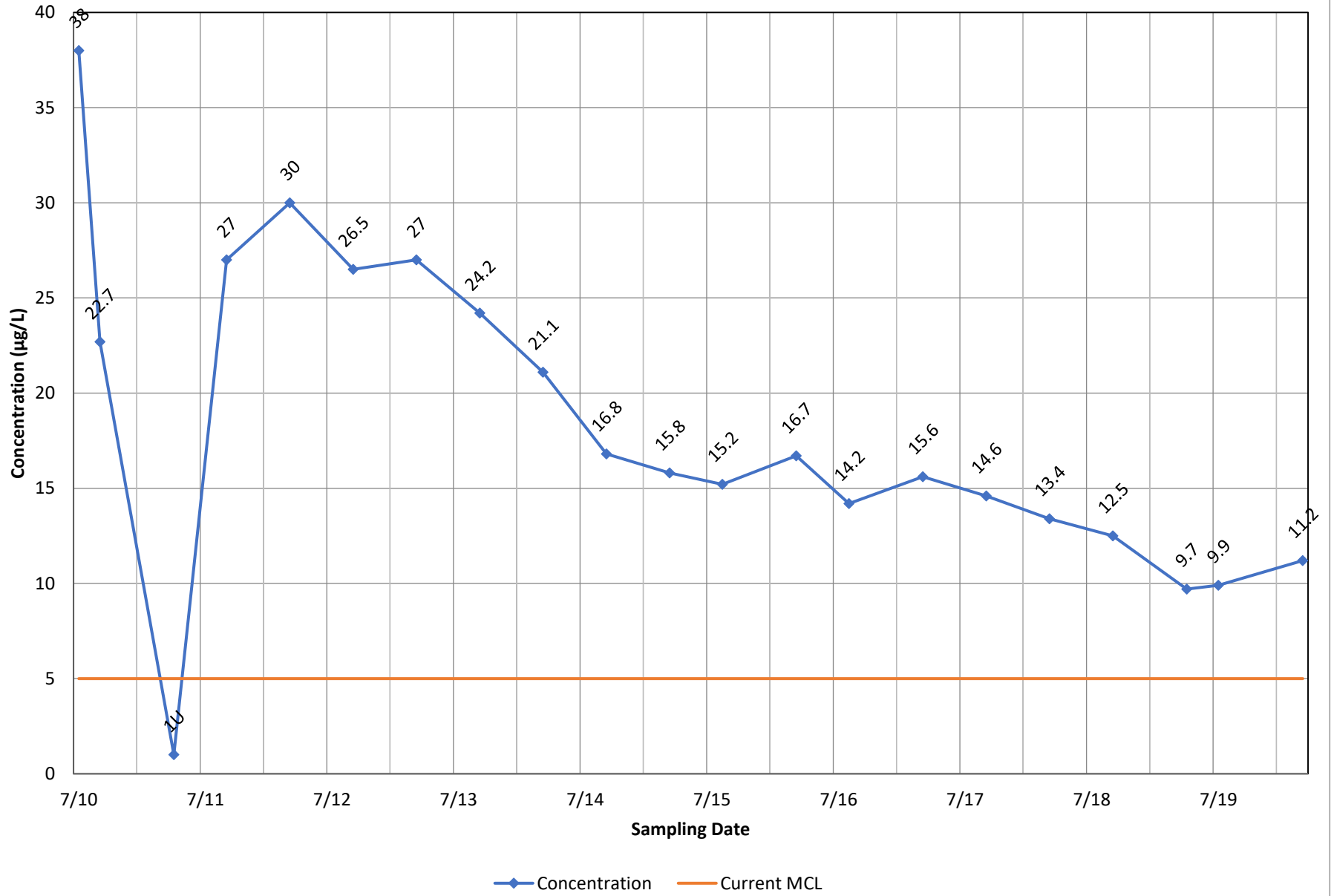


◆ Concentration — Current MCL

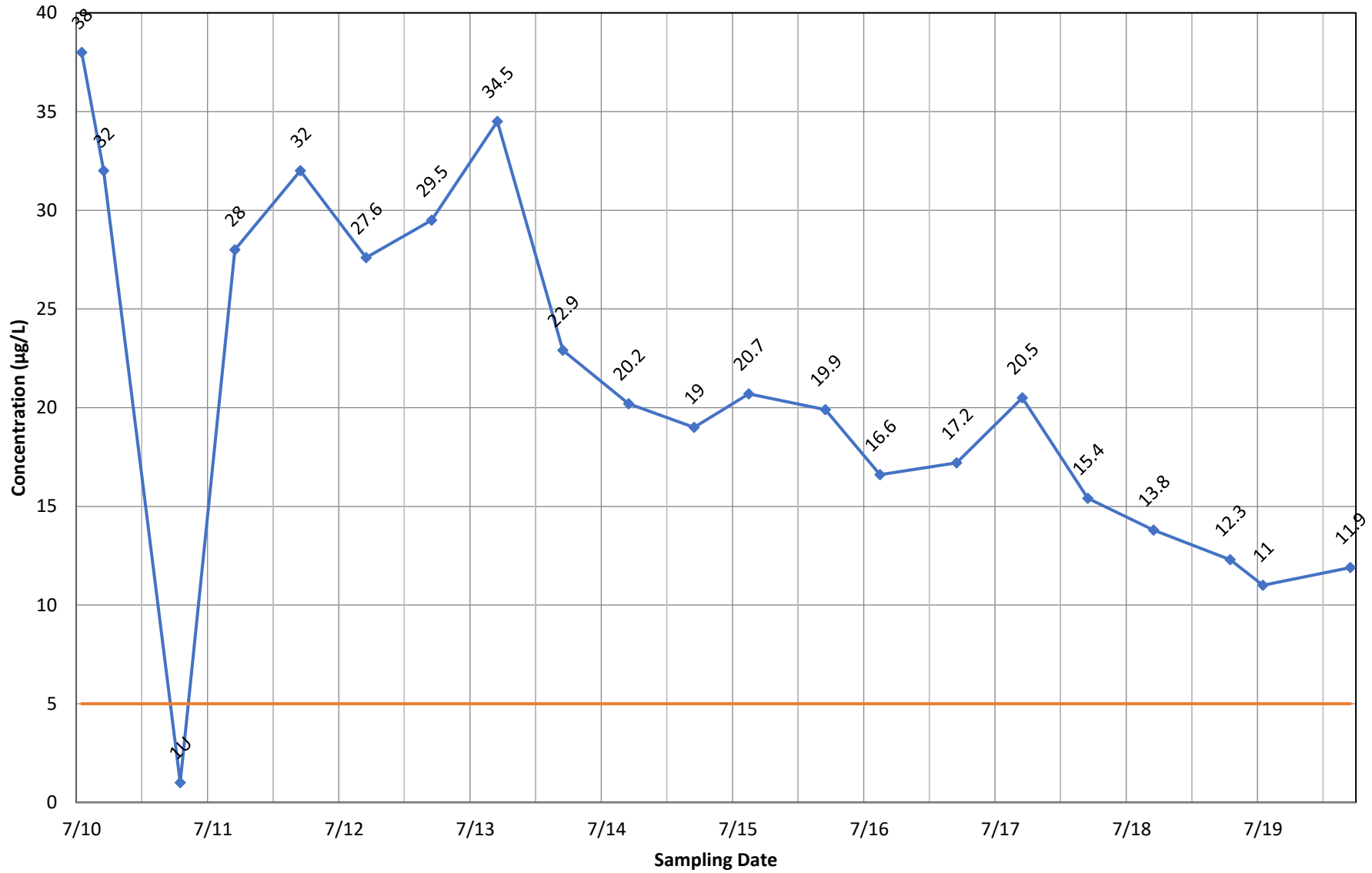
Monitoring Well MW-13B - Methylene Chloride



Monitoring Well MW-13B - Tetrachloroethene

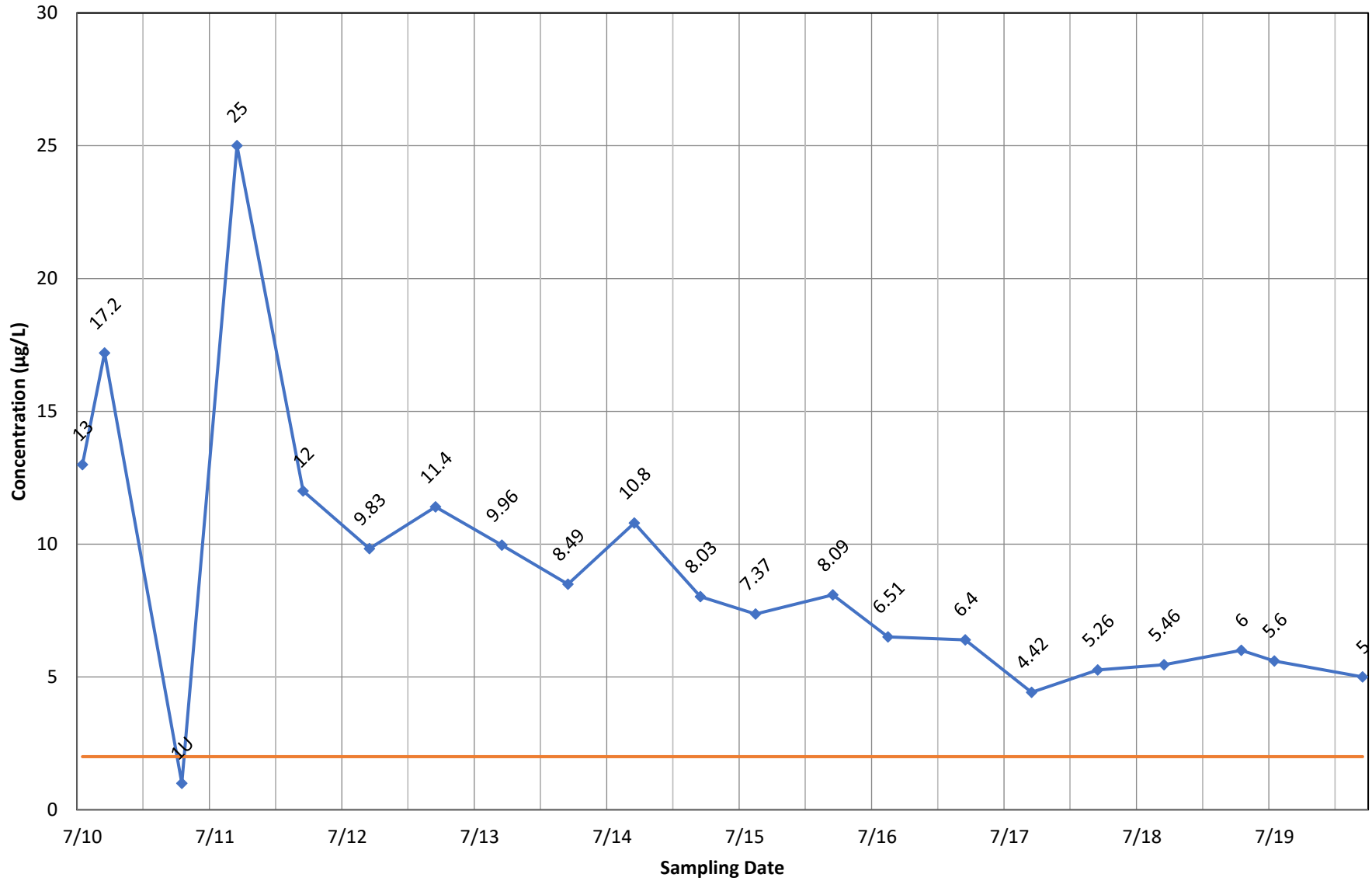


Monitoring Well MW-13B - Trichloroethene



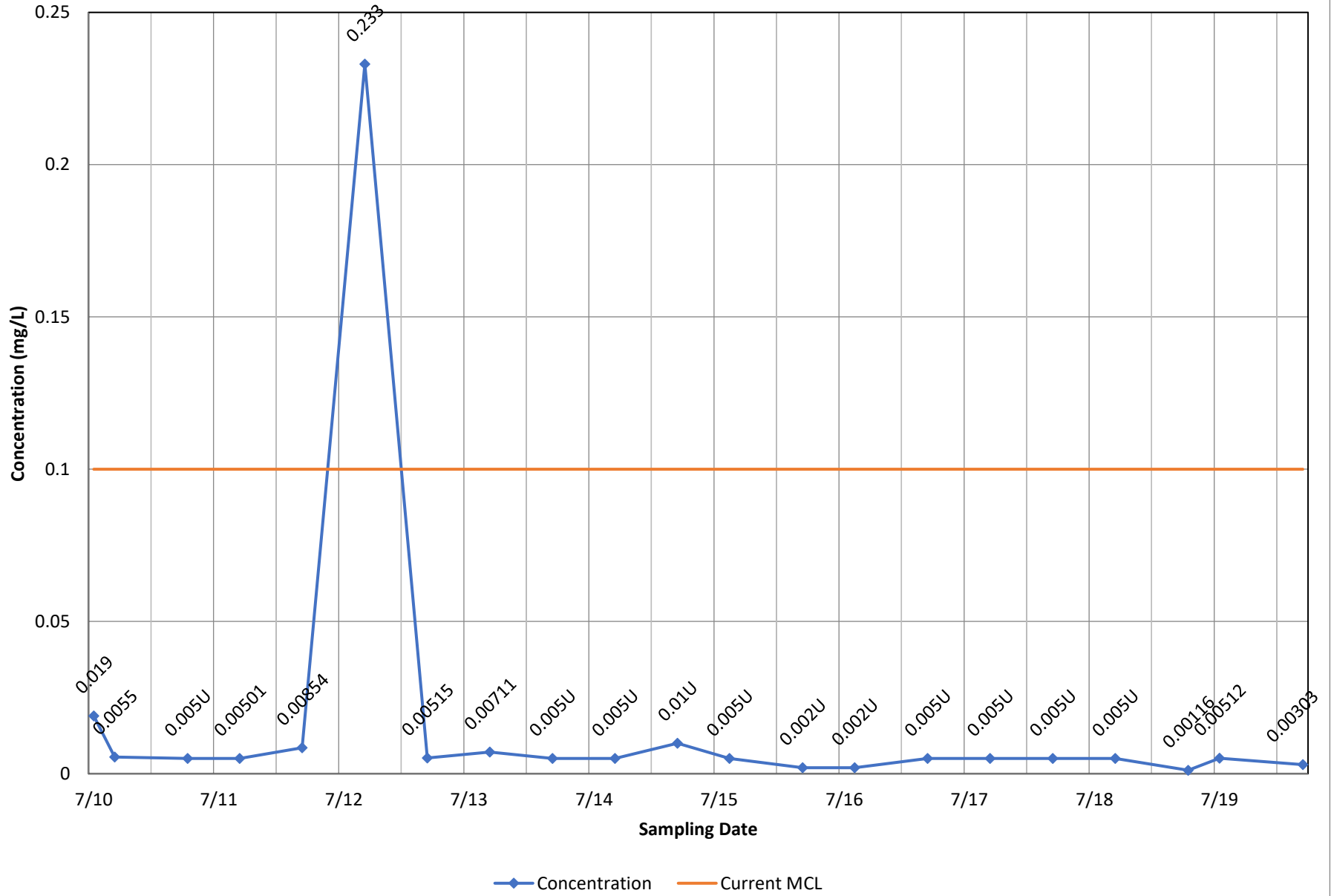
◆ Concentration — Current MCL

Monitoring Well MW-13B - Vinyl Chloride

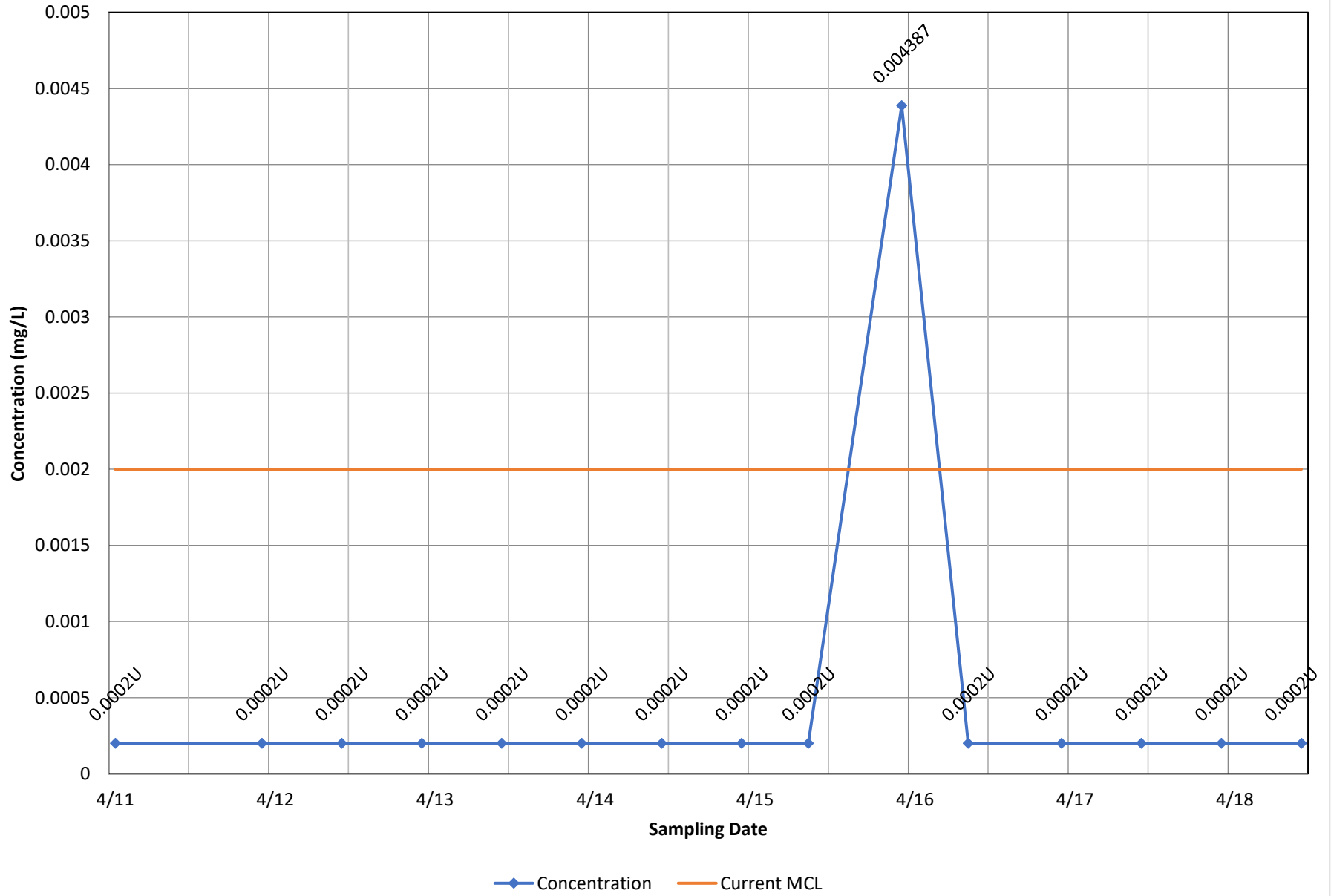


◆ Concentration — Current MCL

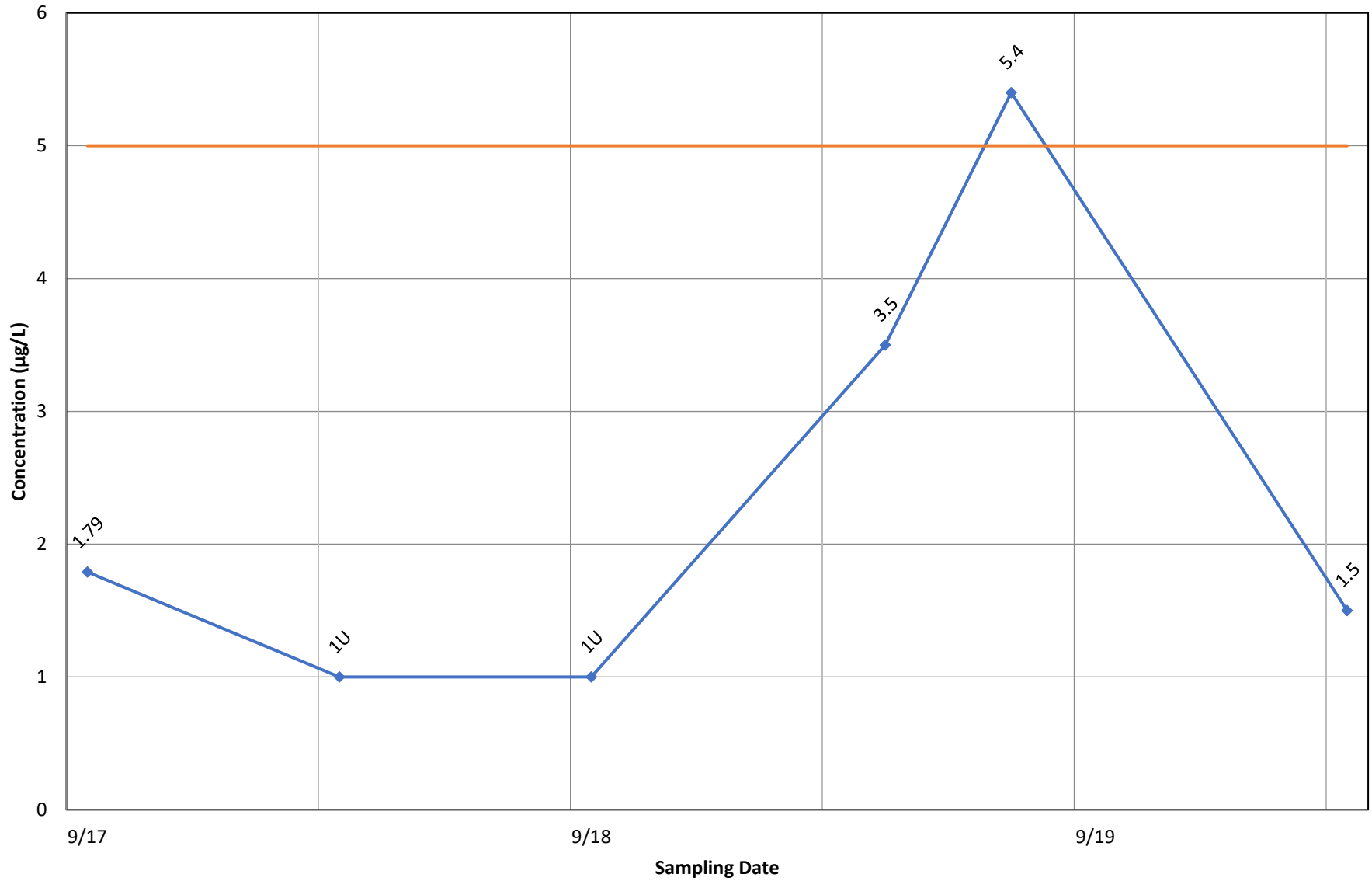
Monitoring Well MW-1B - Chromium, total



Monitoring Well MW-1B - Mercury, dissolved

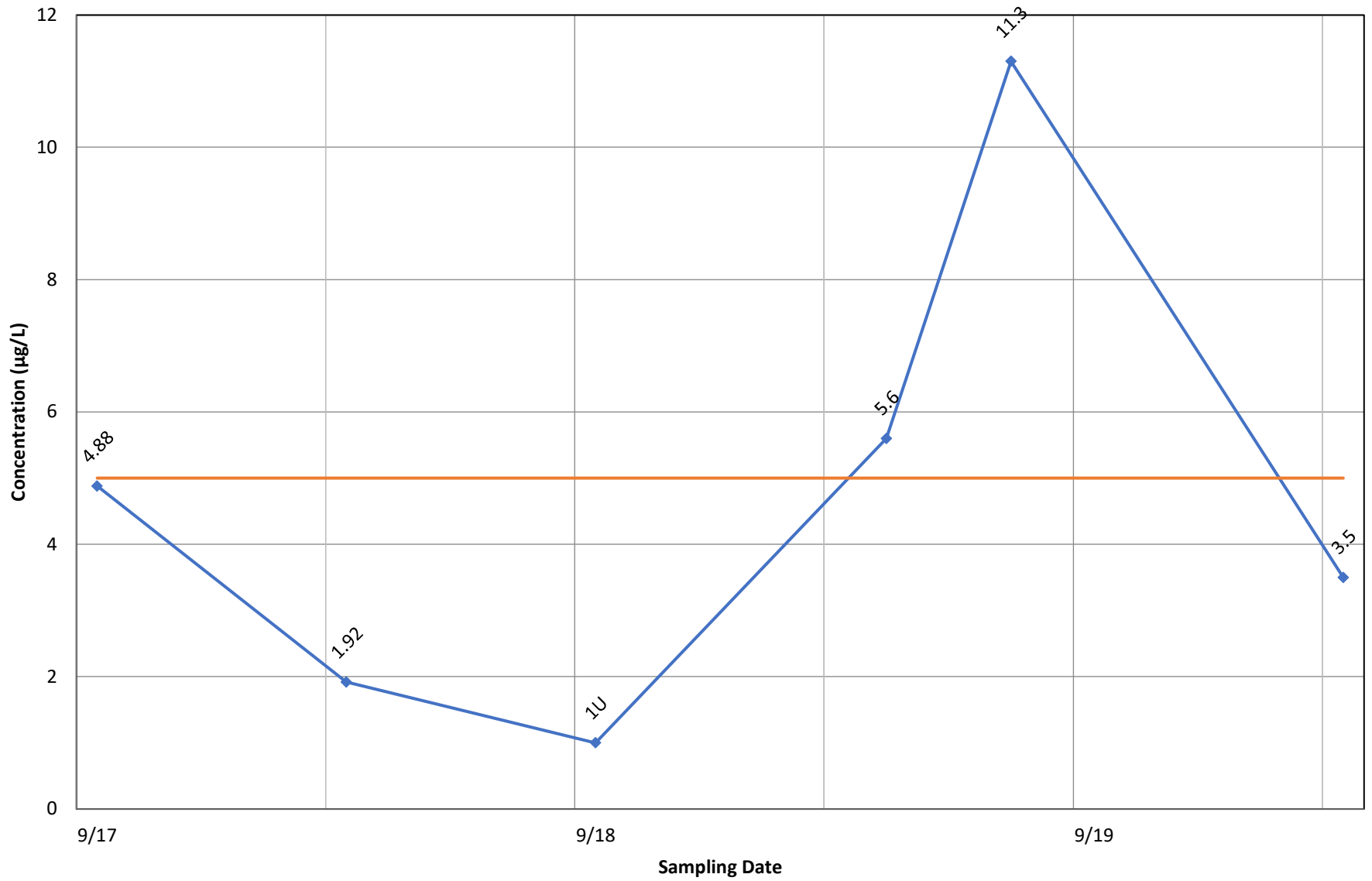


Monitoring Well MW-21A - Tetrachloroethene



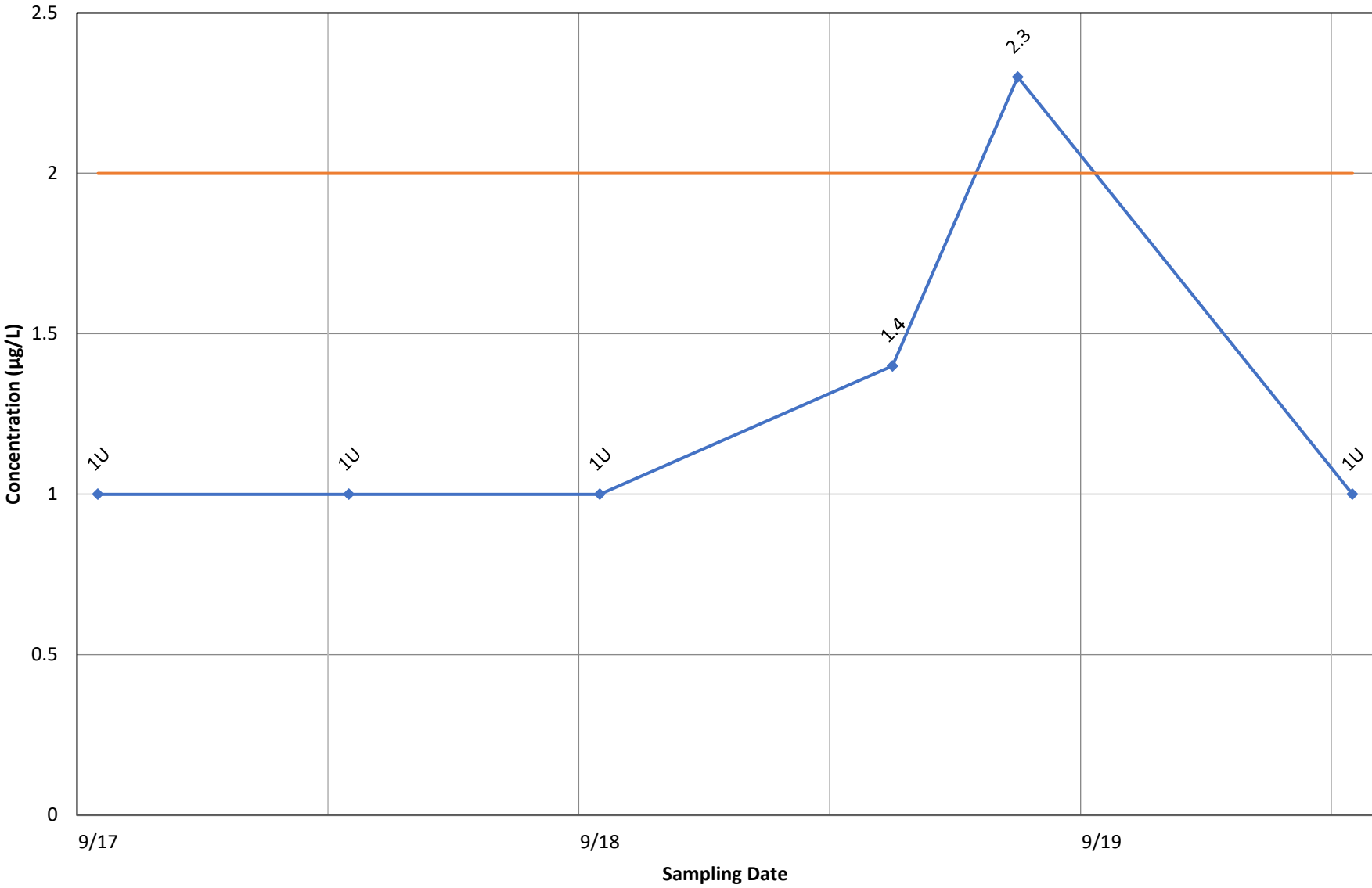
◆ Concentration — Current MCL

Monitoring Well MW-21A - Trichloroethene



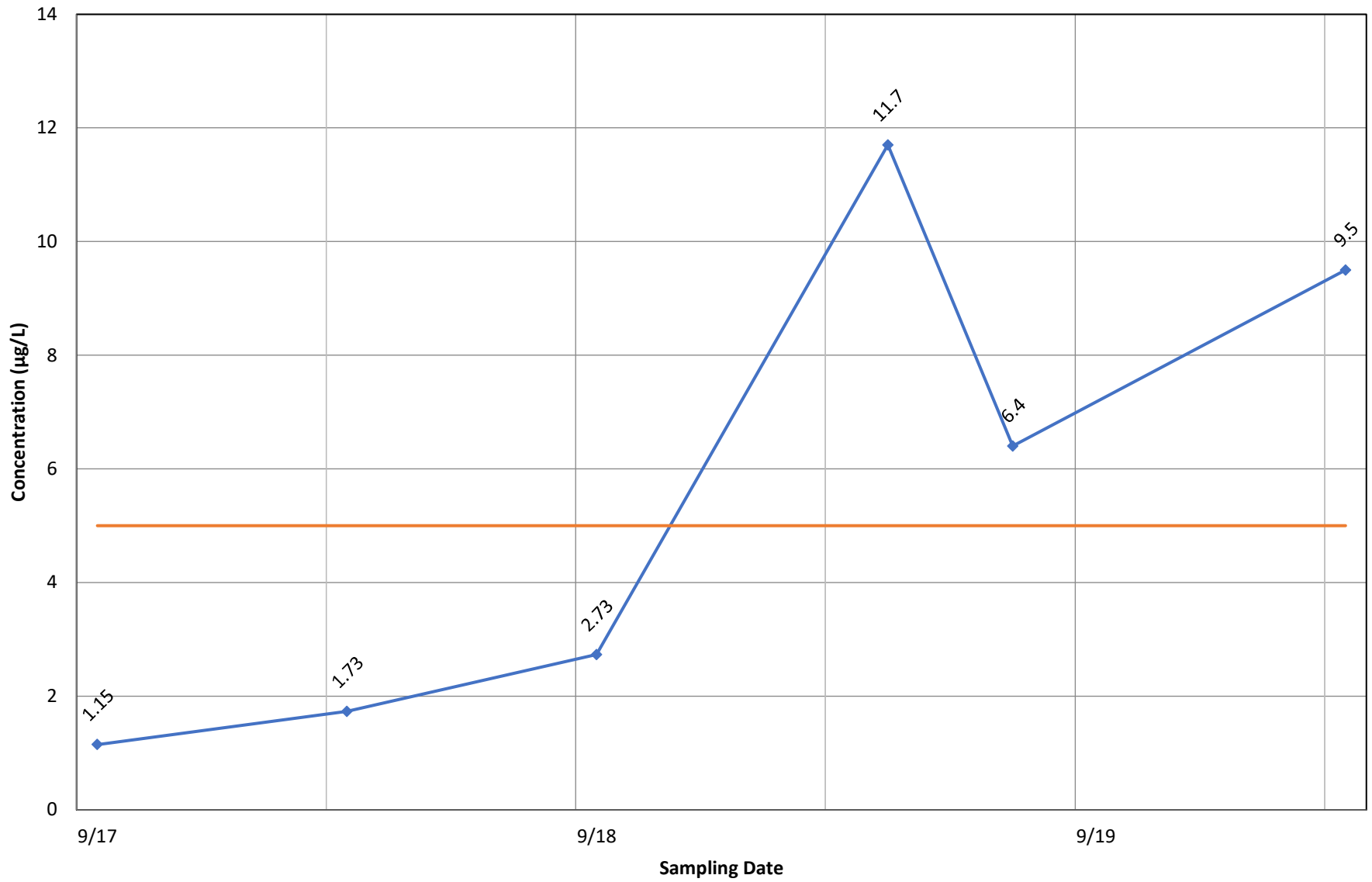
◆ Concentration — Current MCL

Monitoring Well MW-21A - Vinyl Chloride



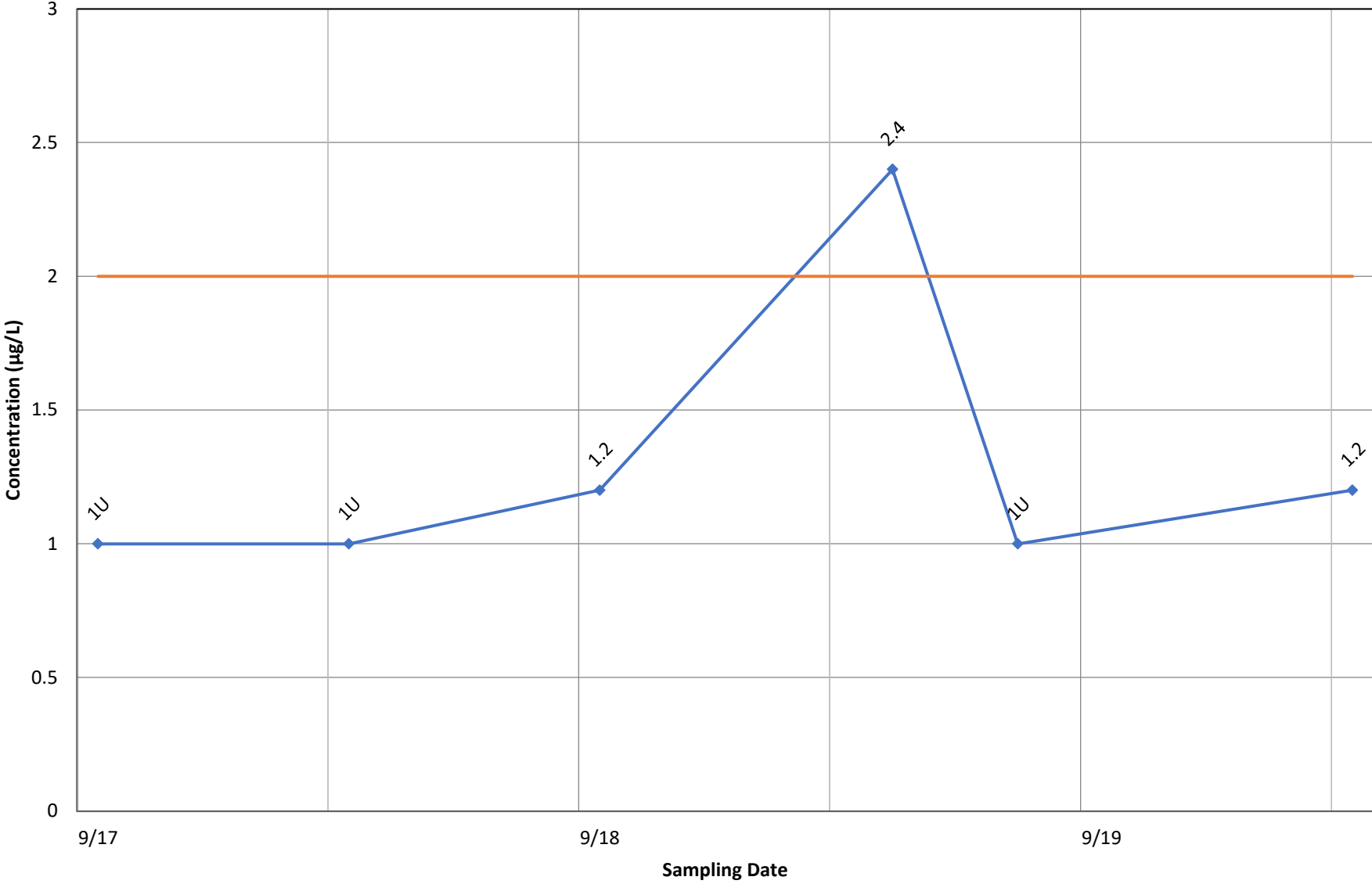
◆ Concentration — Current MCL

Monitoring Well MW-21B - Trichloroethene



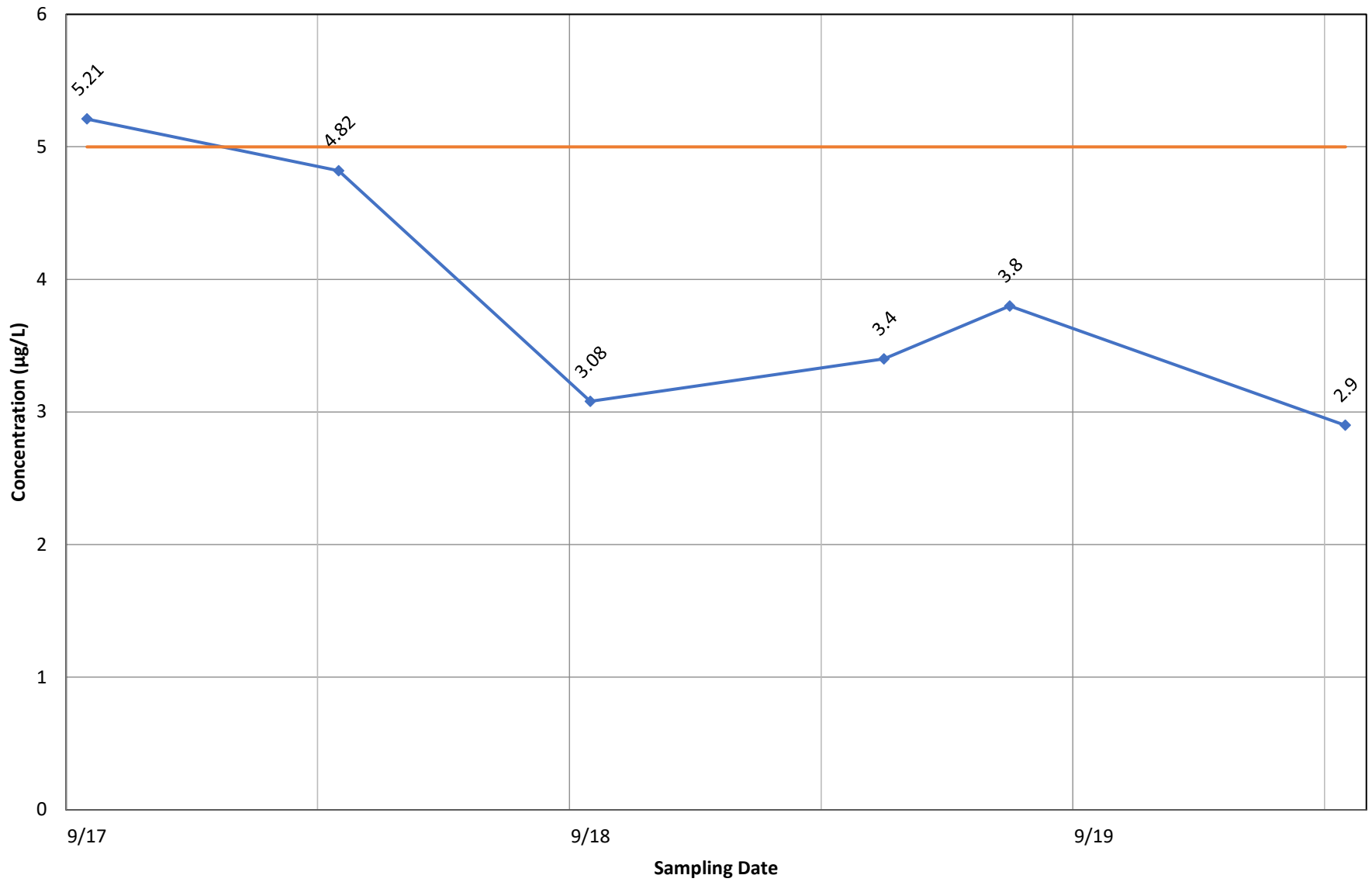
◆ Concentration — Current MCL

Monitoring Well MW-21B - Vinyl Chloride



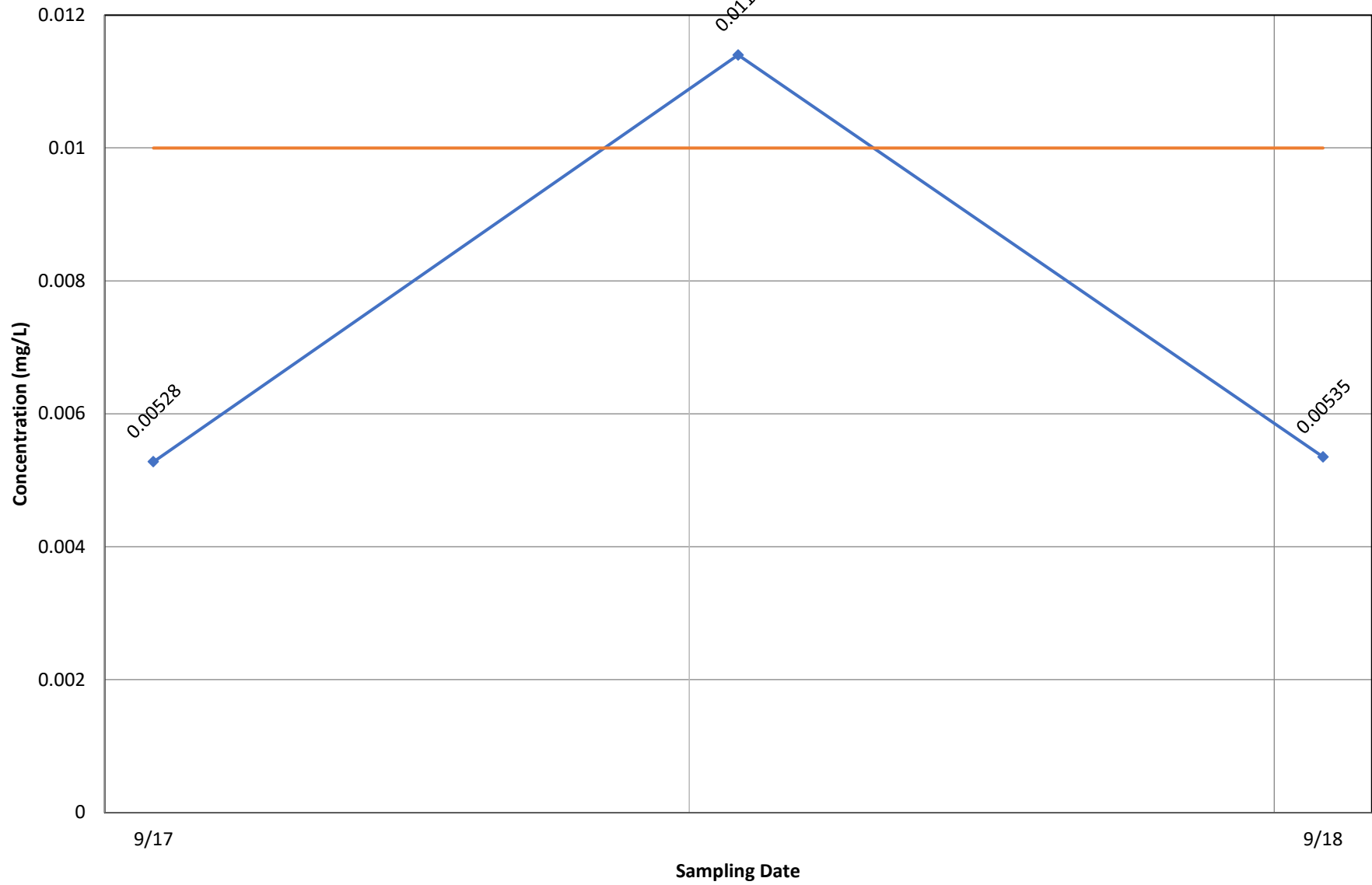
◆ Concentration — Current MCL

Monitoring Well MW-22A - Trichloroethene



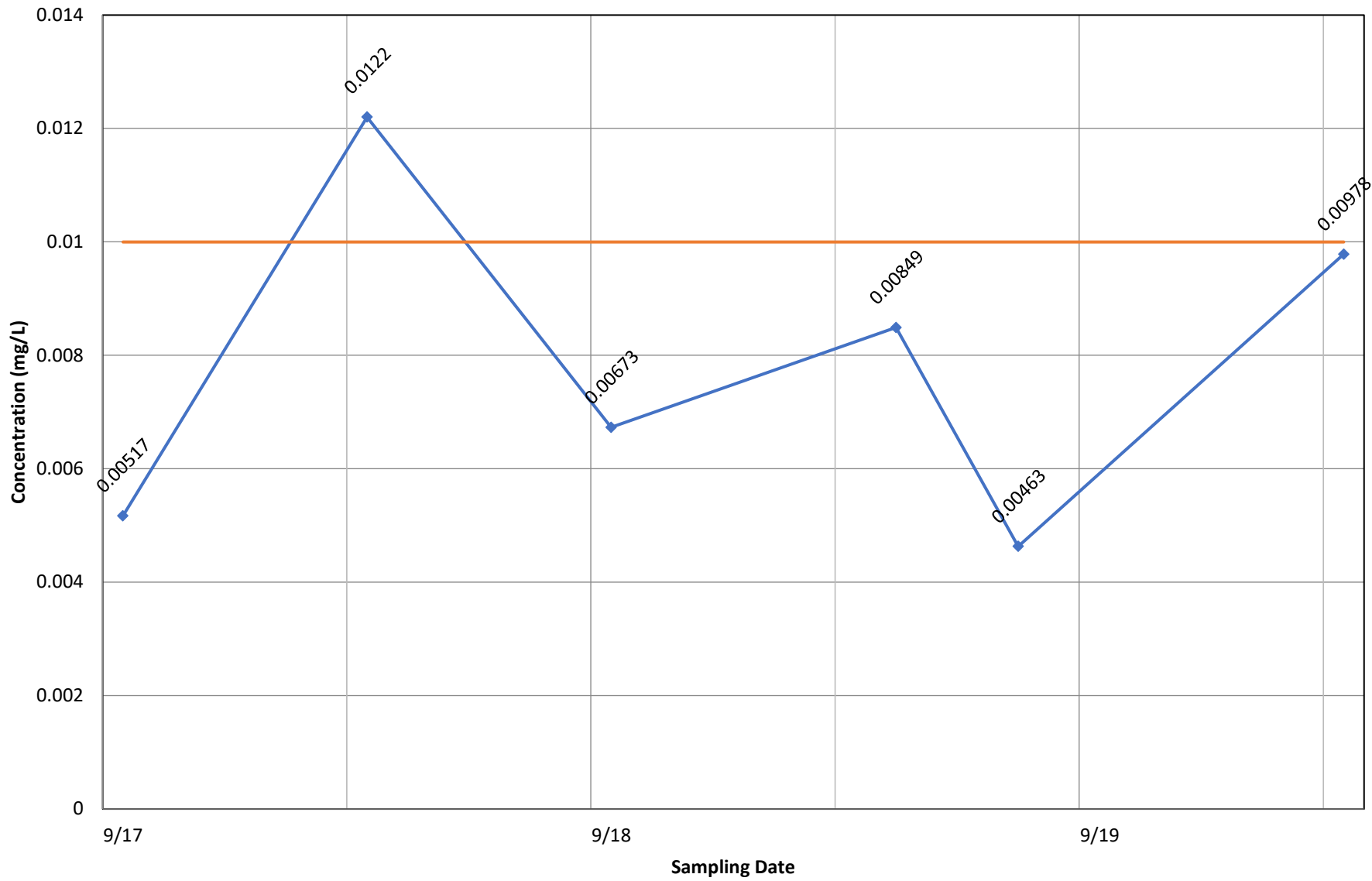
◆ Concentration — Current MCL

Monitoring Well MW-22B - Arsenic, dissolved



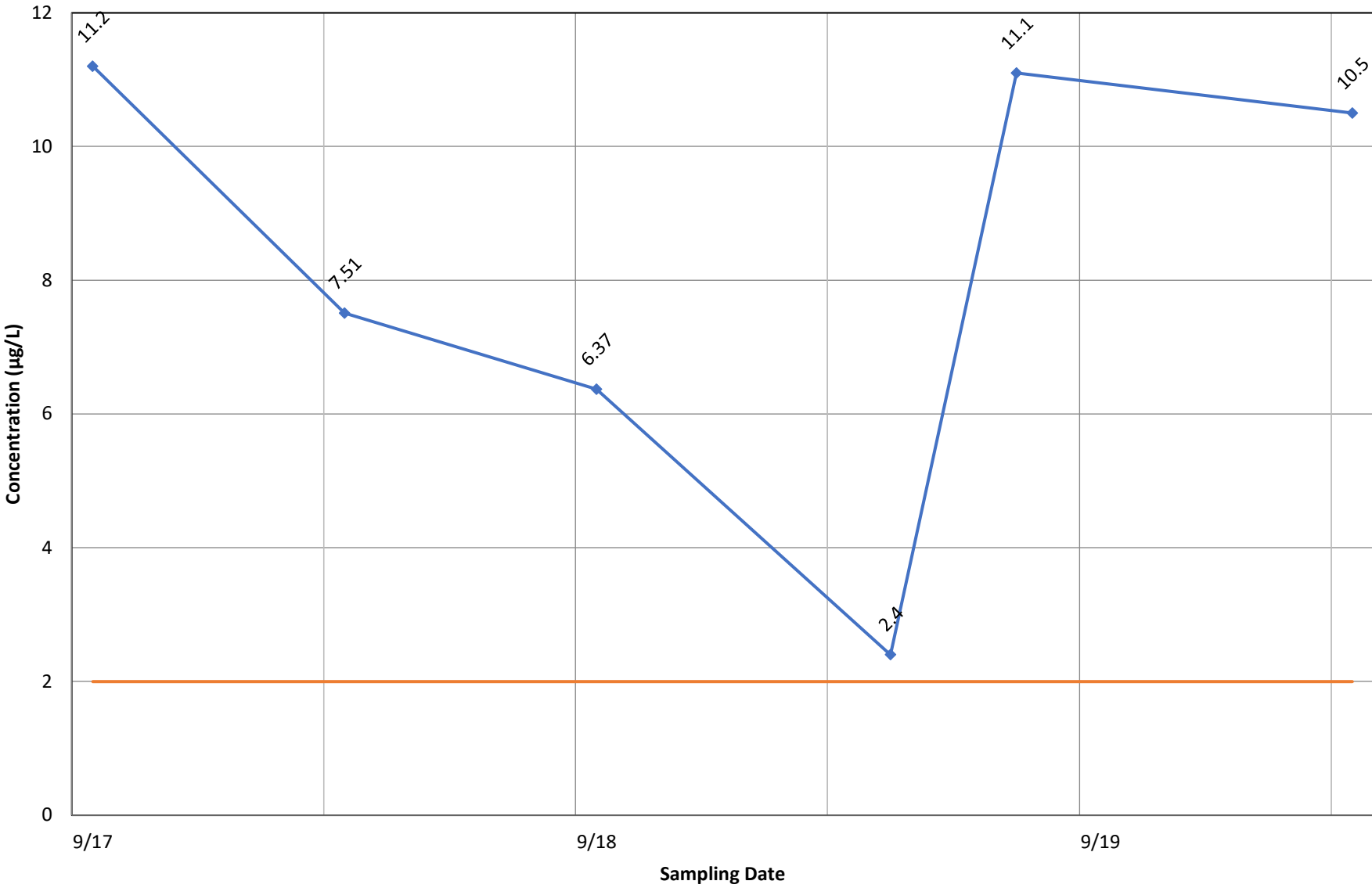
—◆— Concentration — Current MCL

Monitoring Well MW-22B - Arsenic, total



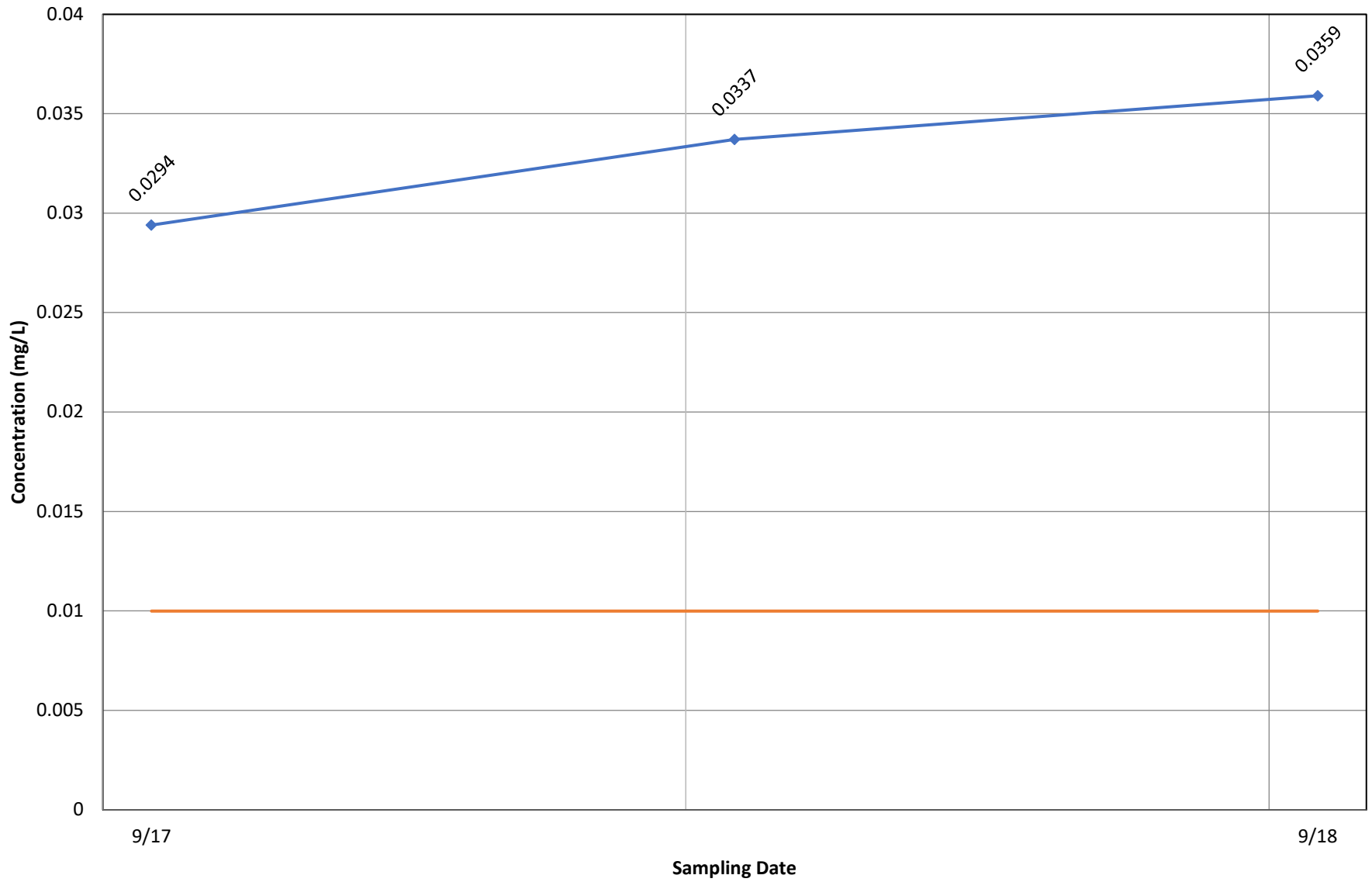
◆ Concentration — Current MCL

Monitoring Well MW-24A - Vinyl Chloride



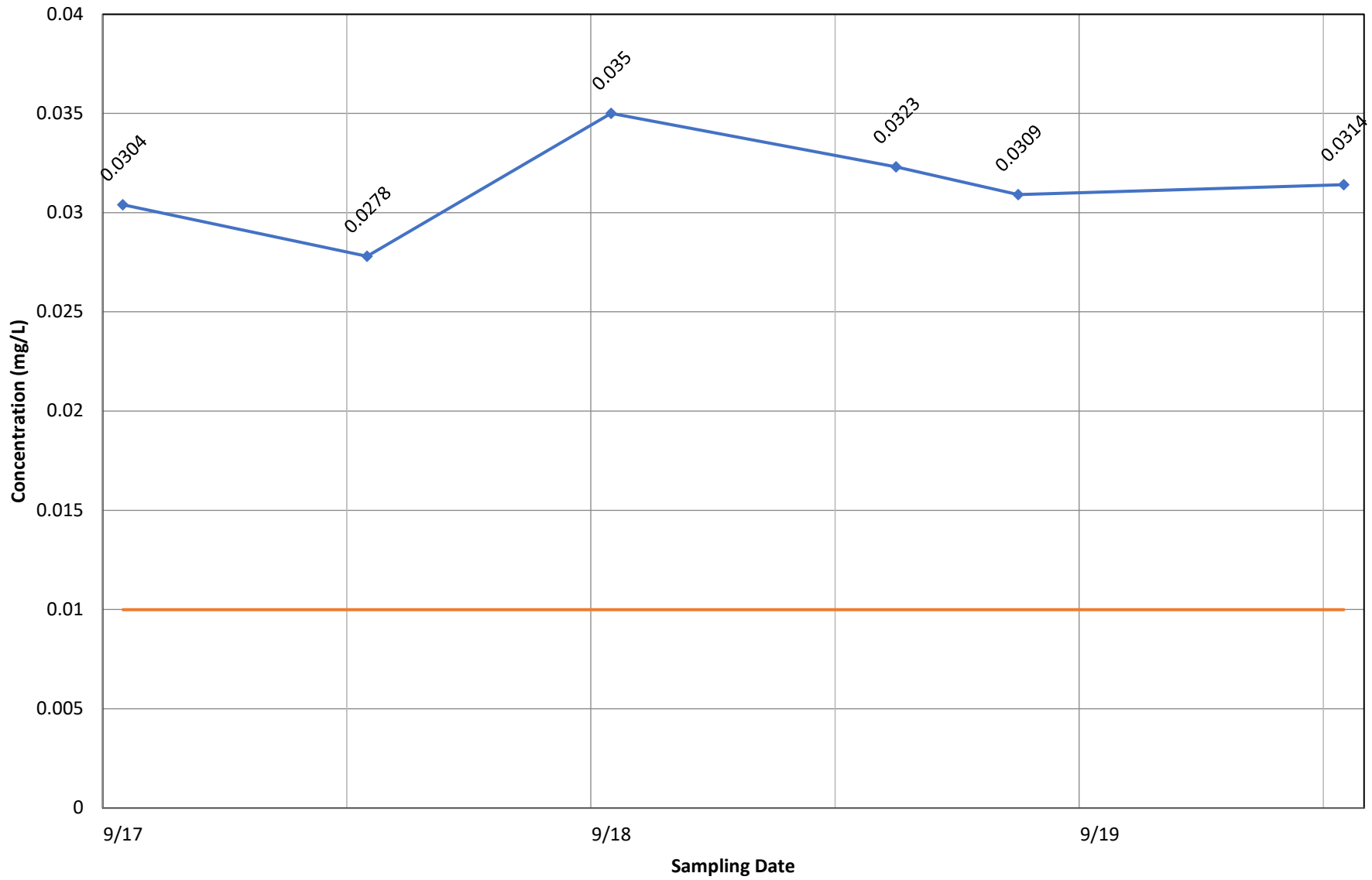
◆ Concentration — Current MCL

Monitoring Well MW-24B - Arsenic, dissolved



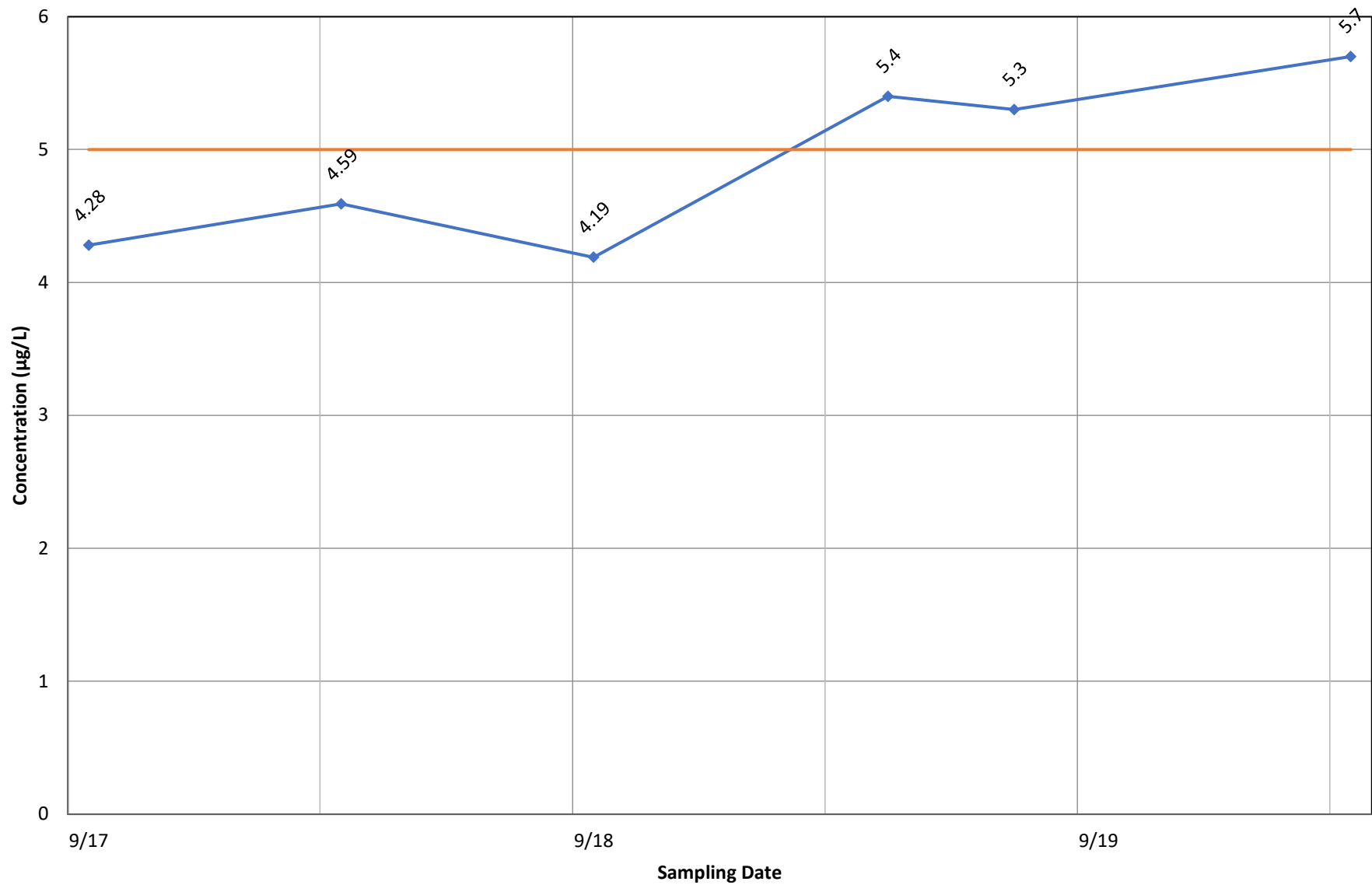
—◆— Concentration — Current MCL

Monitoring Well MW-24B - Arsenic, total



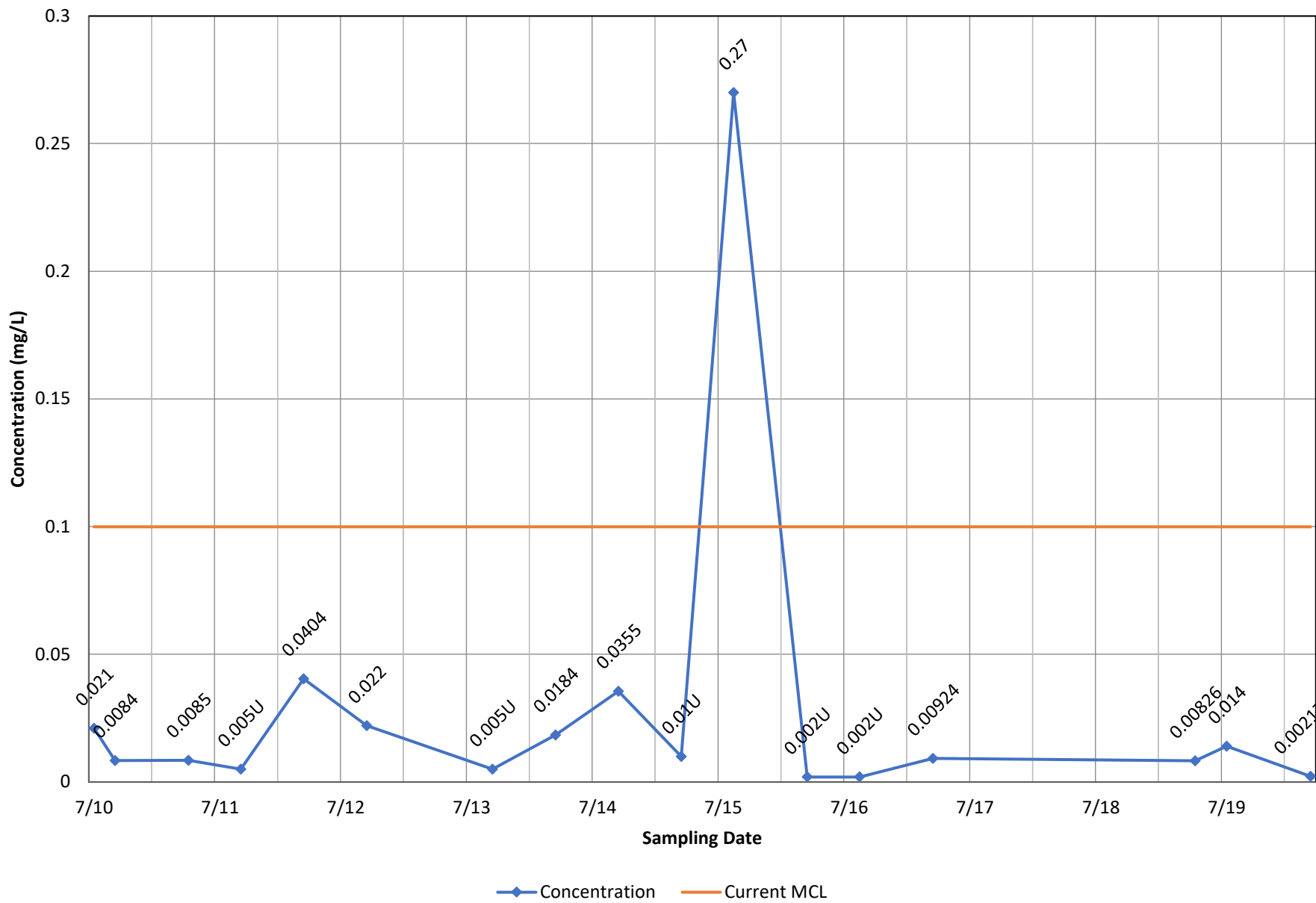
◆ Concentration — Current MCL

Monitoring Well MW-24B - Benzene

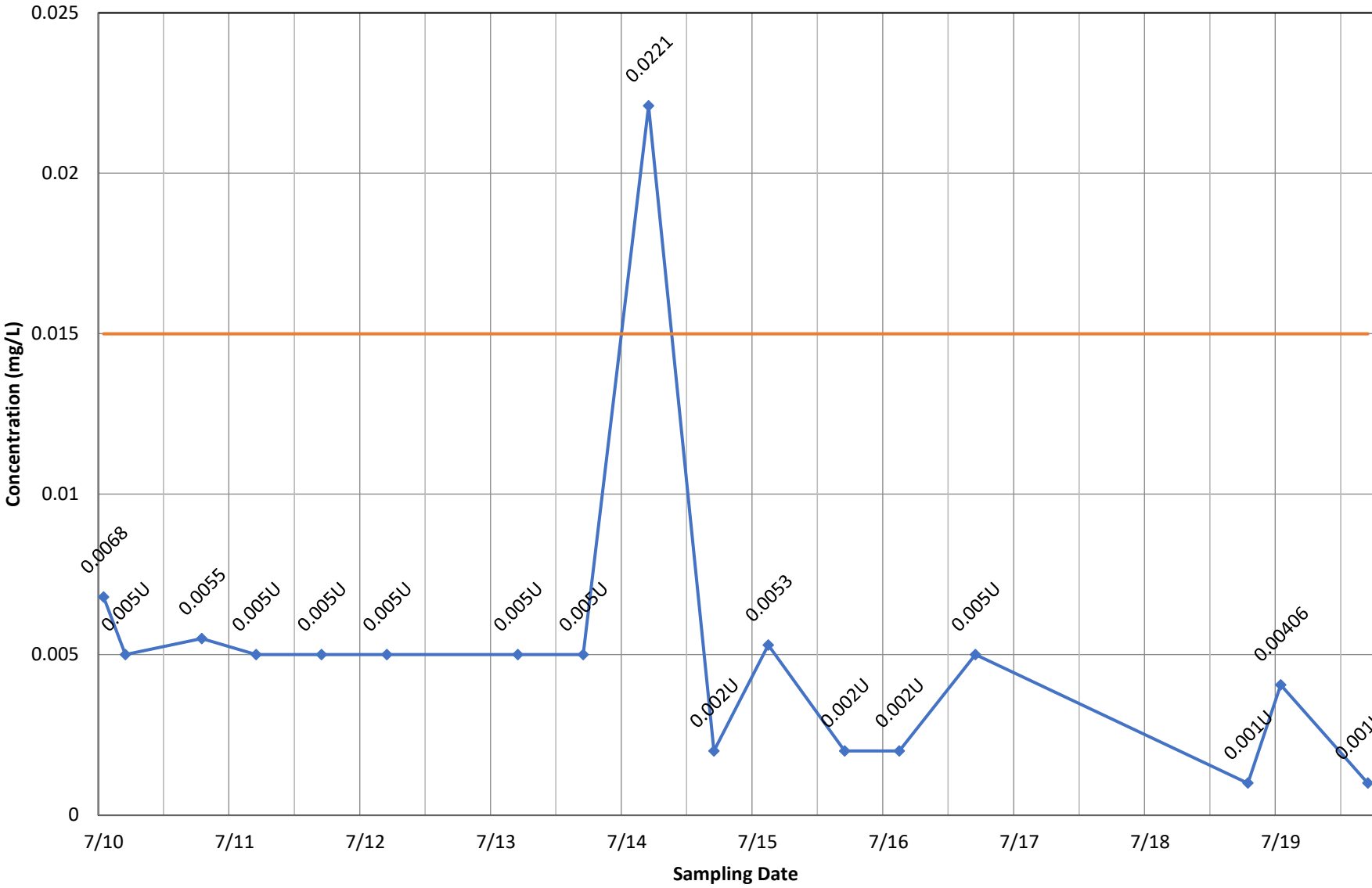


◆ Concentration — Current MCL

Monitoring Well MW-2A - Chromium, total

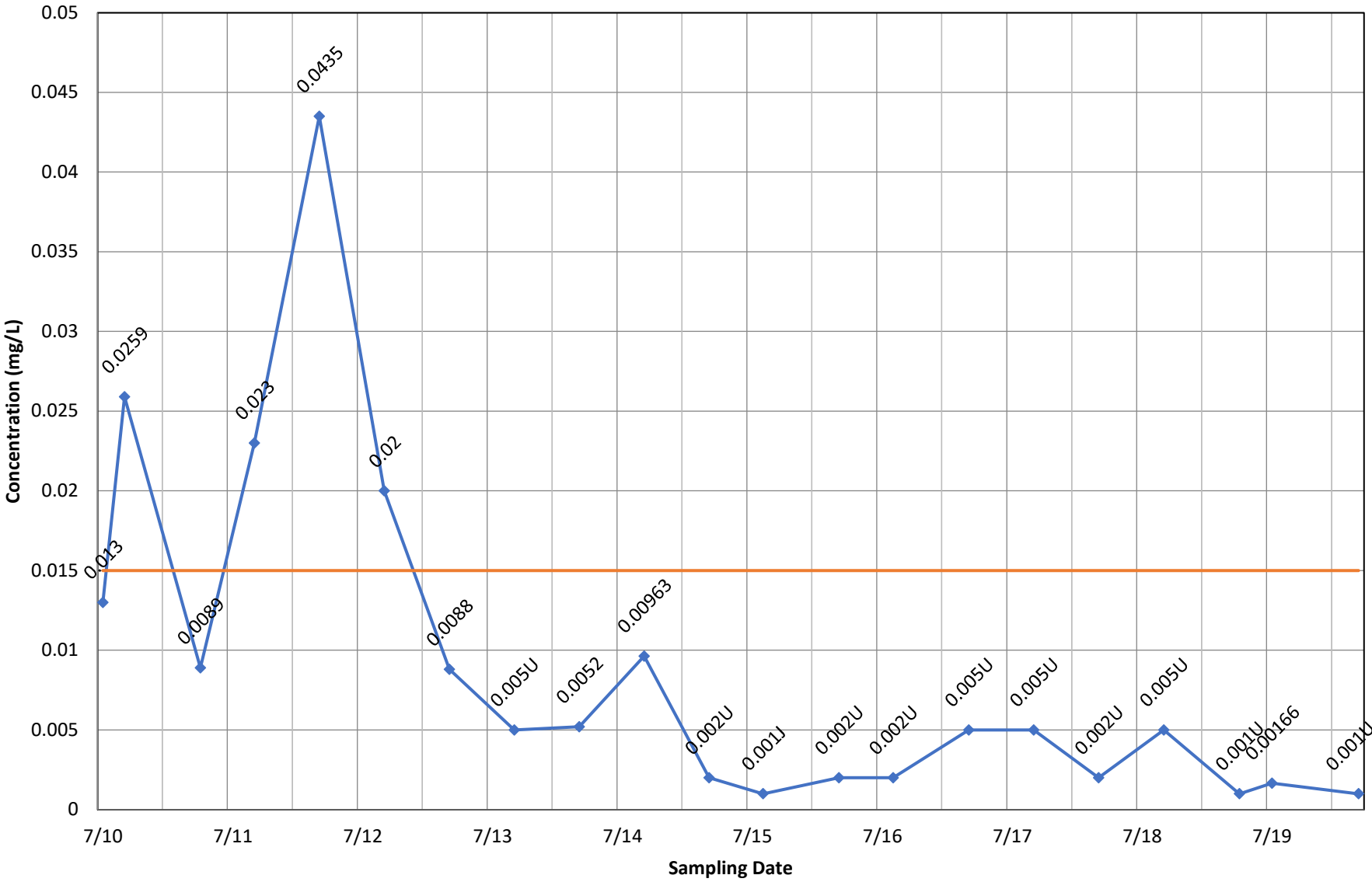


Monitoring Well MW-2A - Lead, total



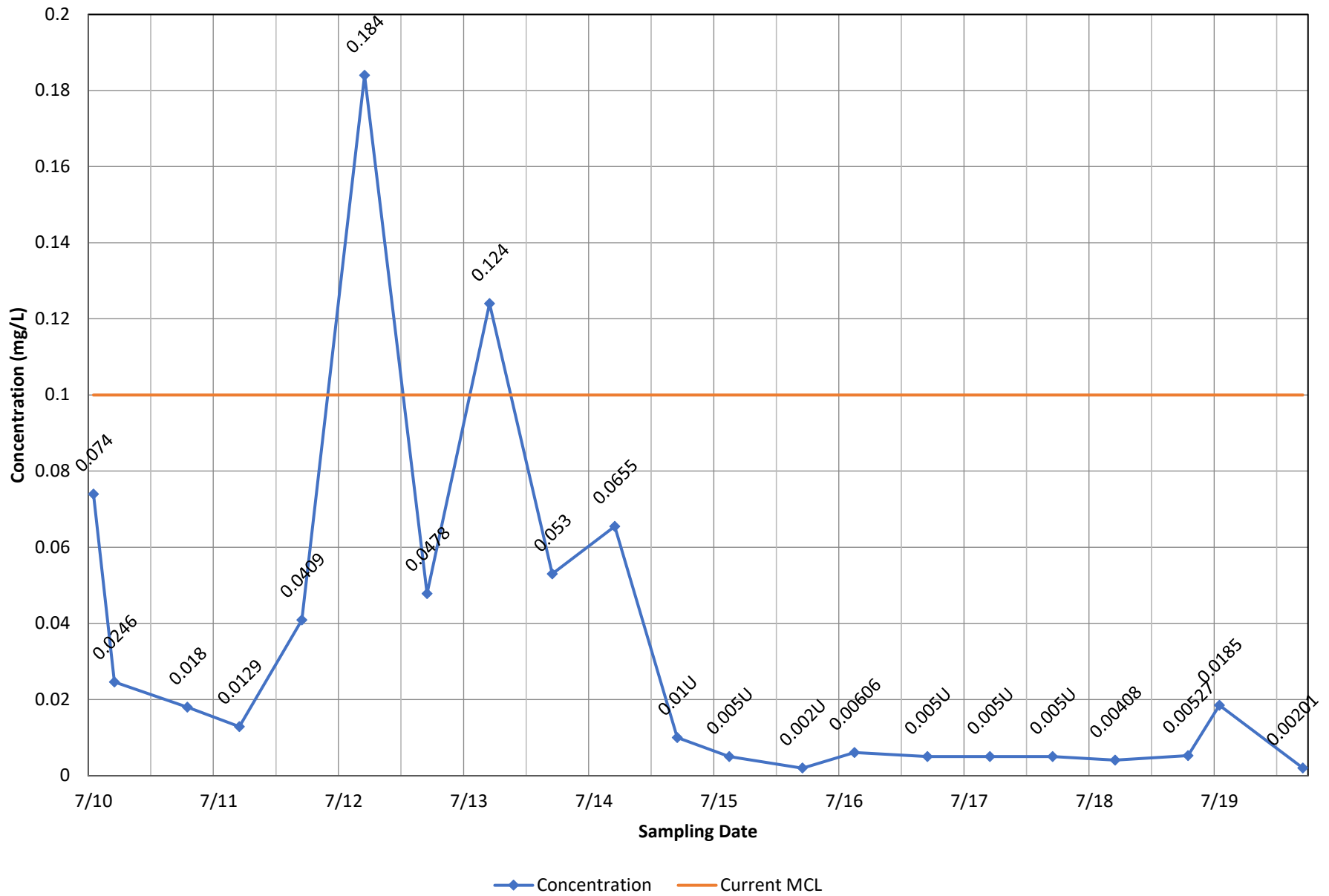
—◆— Concentration — Current MCL

Monitoring Well MW-3A - Lead, total

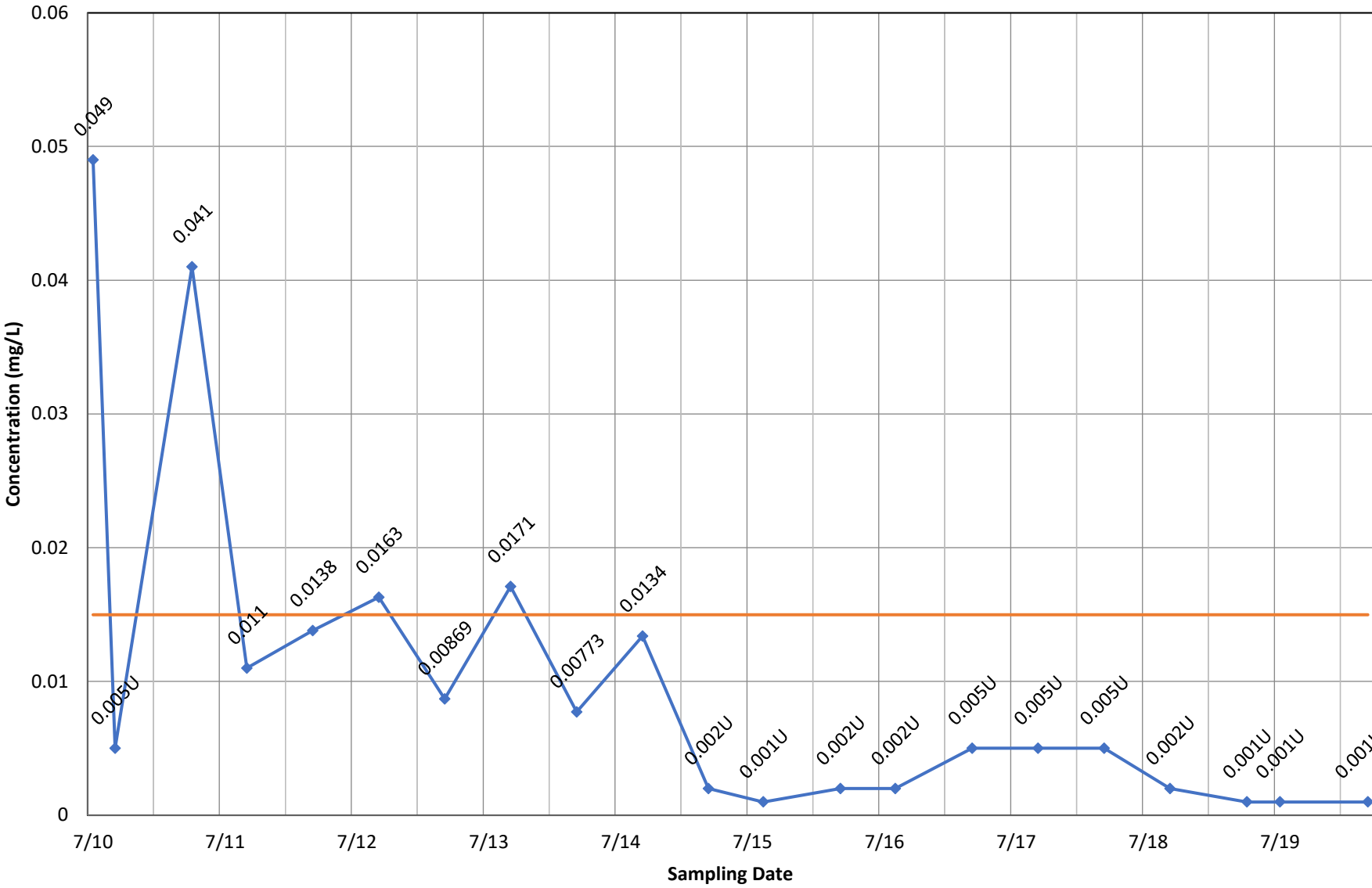


◆ Concentration — Current MCL

Monitoring Well MW-3B - Chromium, total

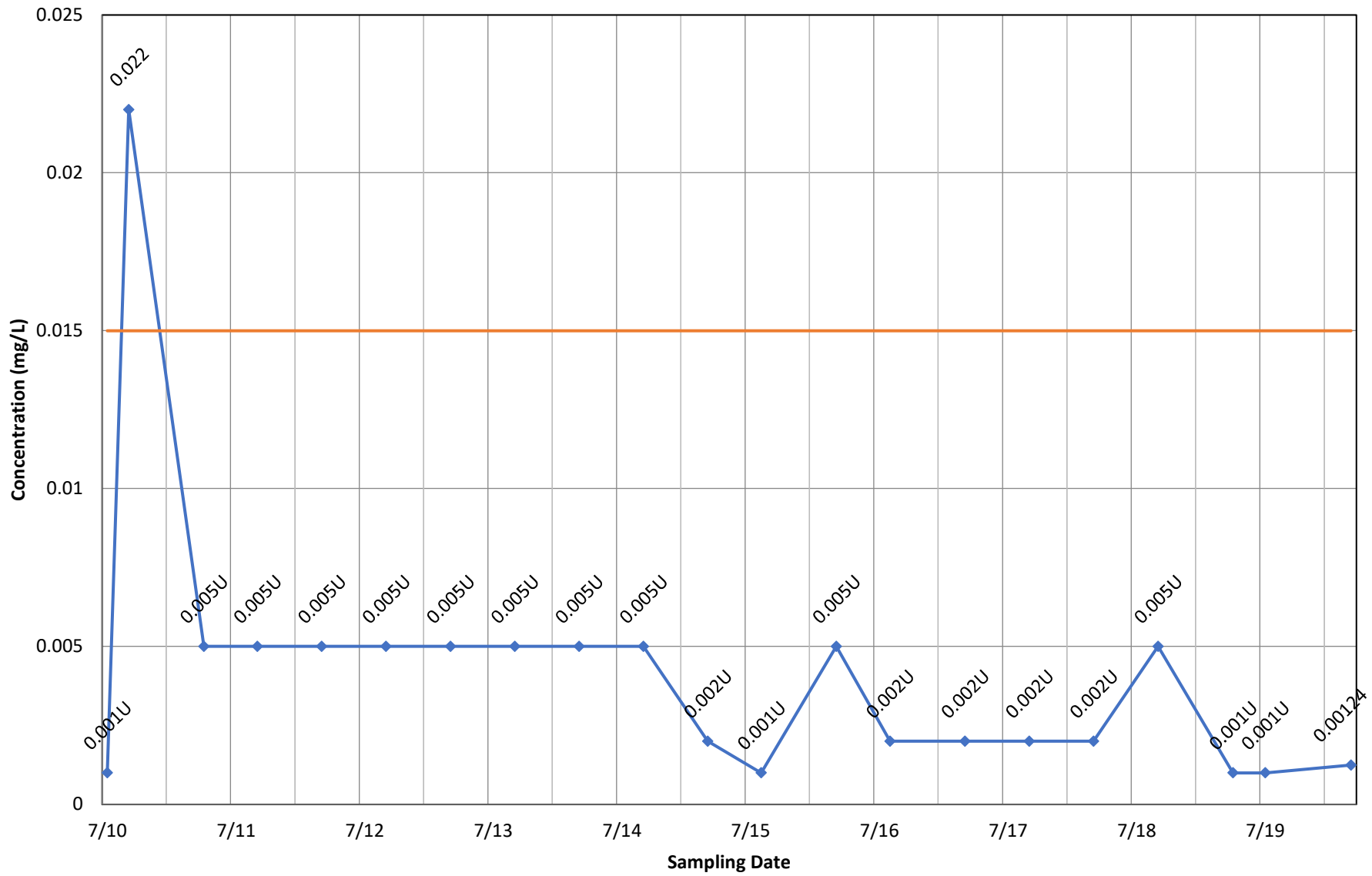


Monitoring Well MW-3B - Lead, total



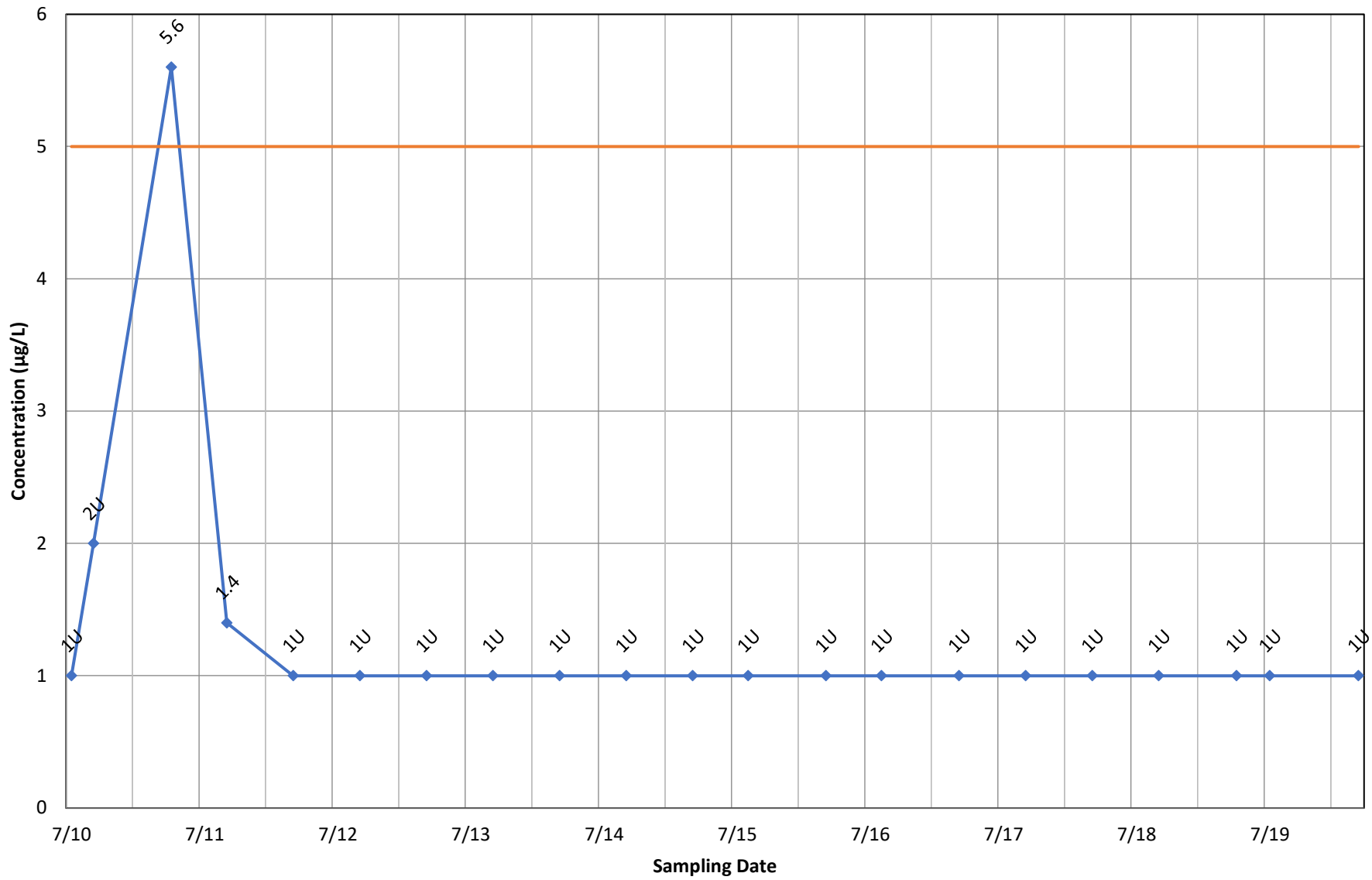
◆ Concentration — Current MCL

Monitoring Well MW-4 - Lead, total



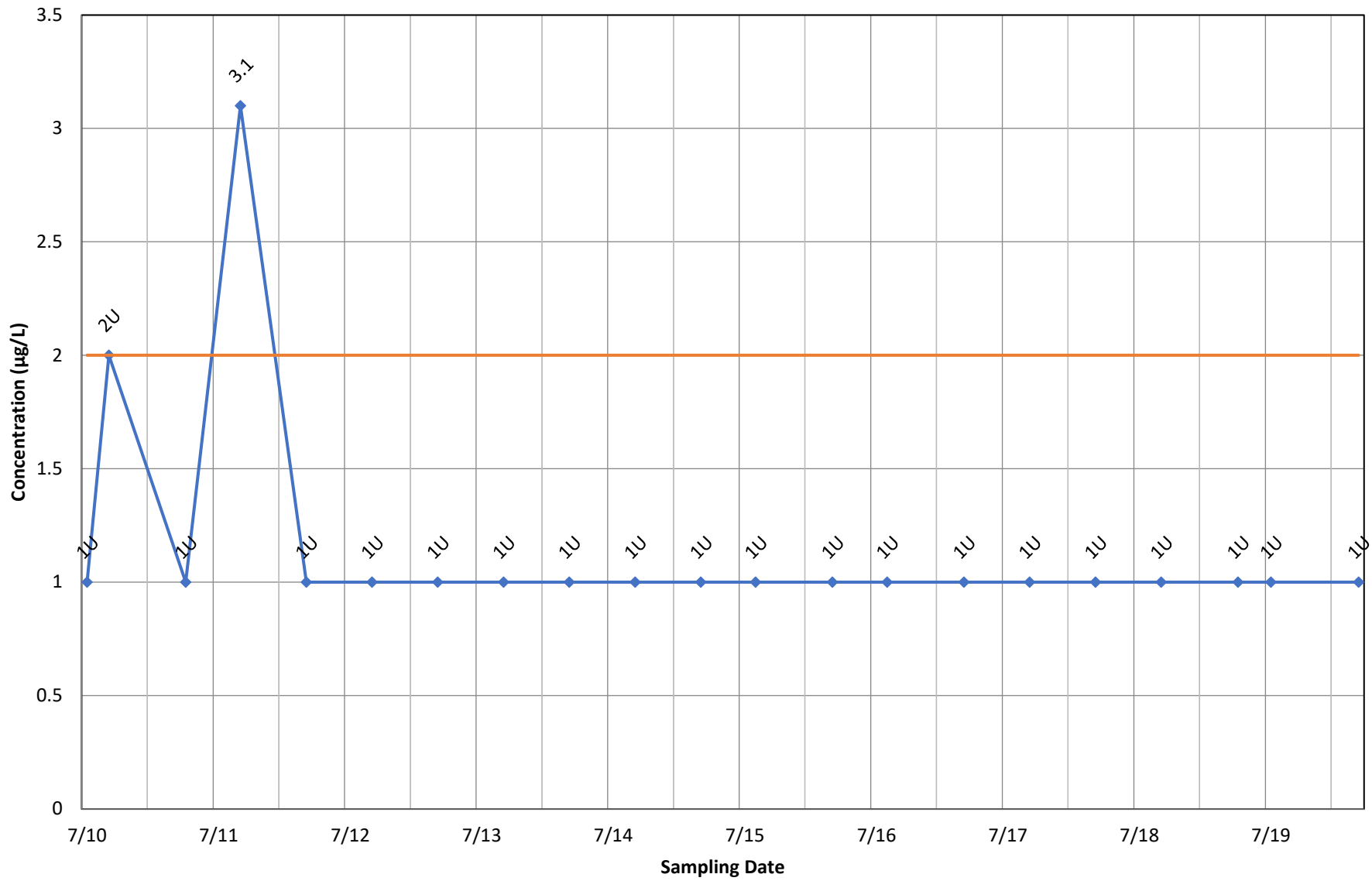
◆ Concentration — Current MCL

Monitoring Well MW-4 - Trichloroethene



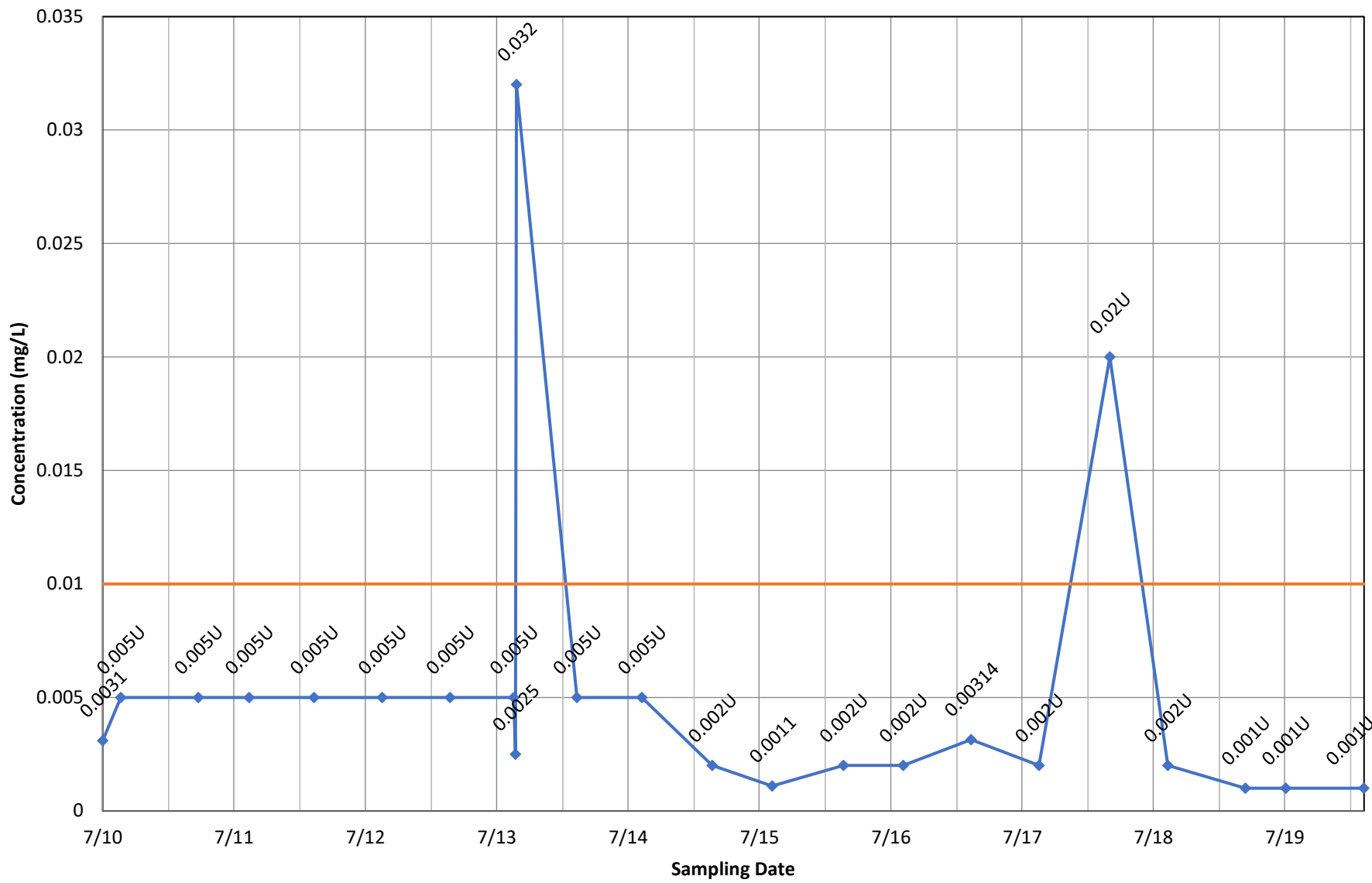
◆ Concentration — Current MCL

Monitoring Well MW-4 - Vinyl Chloride



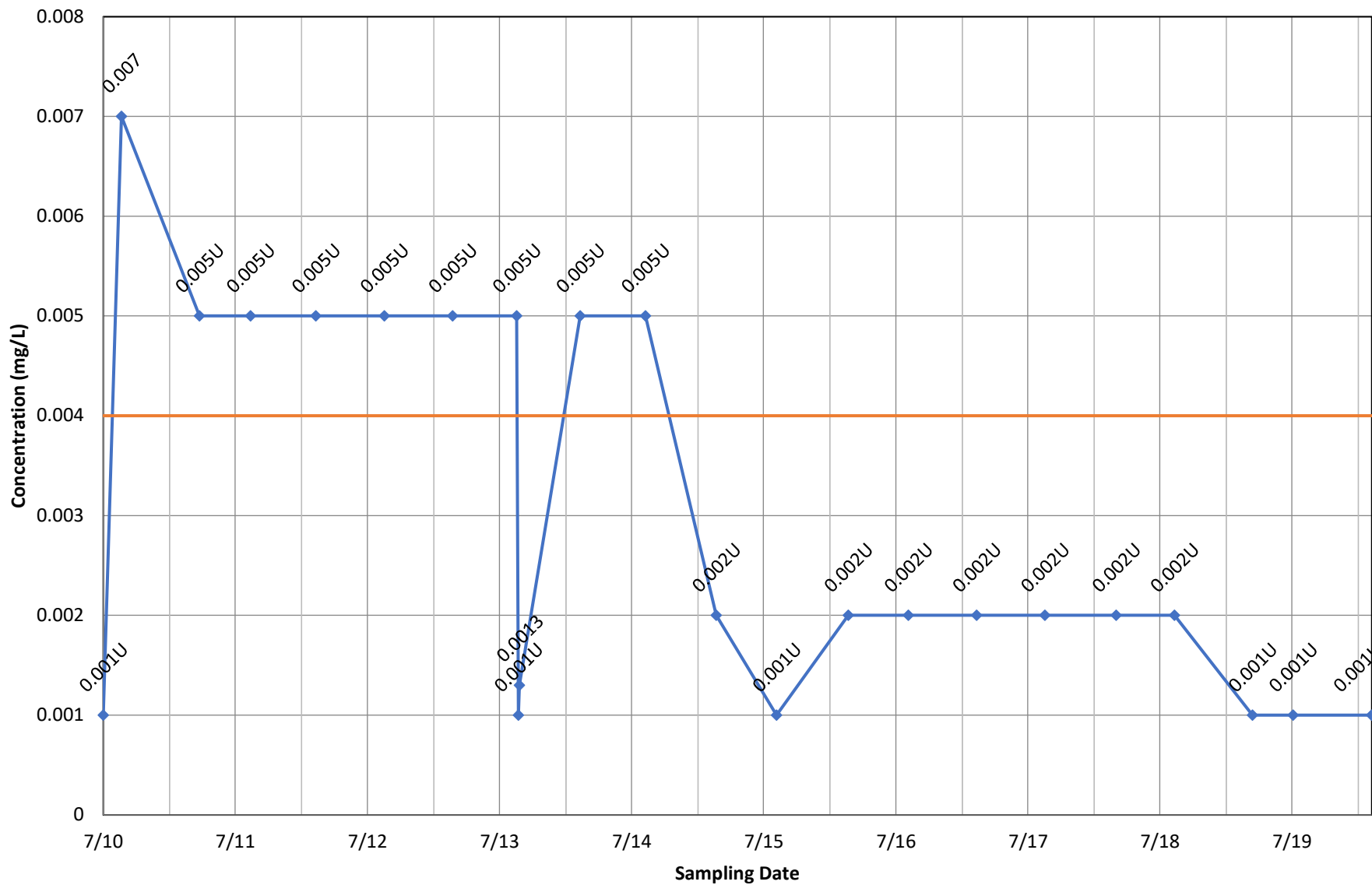
◆ Concentration — Current MCL

Monitoring Well MW-6 - Arsenic, total



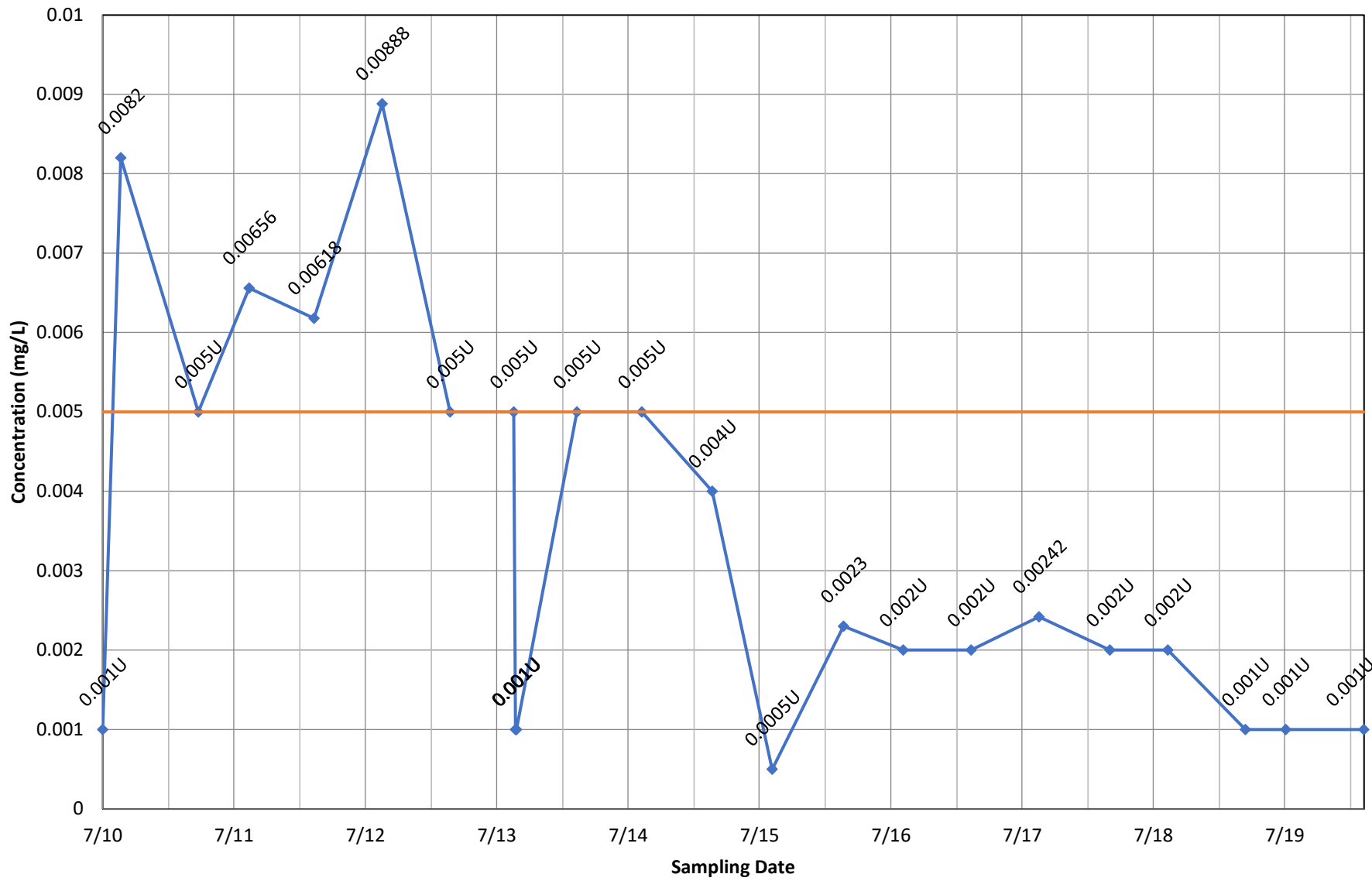
◆ Concentration — Current MCL

Monitoring Well MW-6 - Beryllium, total



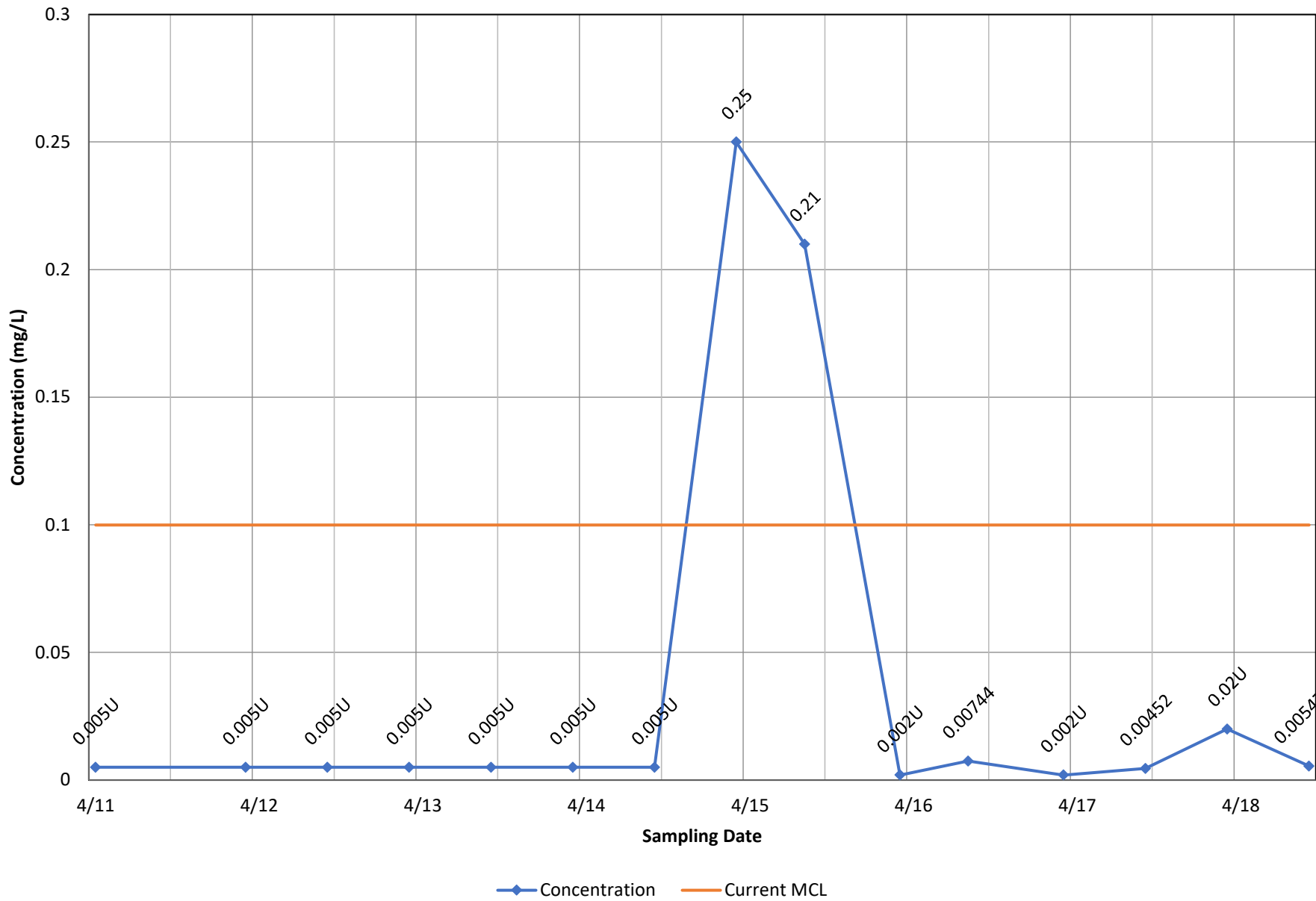
◆ Concentration — Current MCL

Monitoring Well MW-6 - Cadmium, total

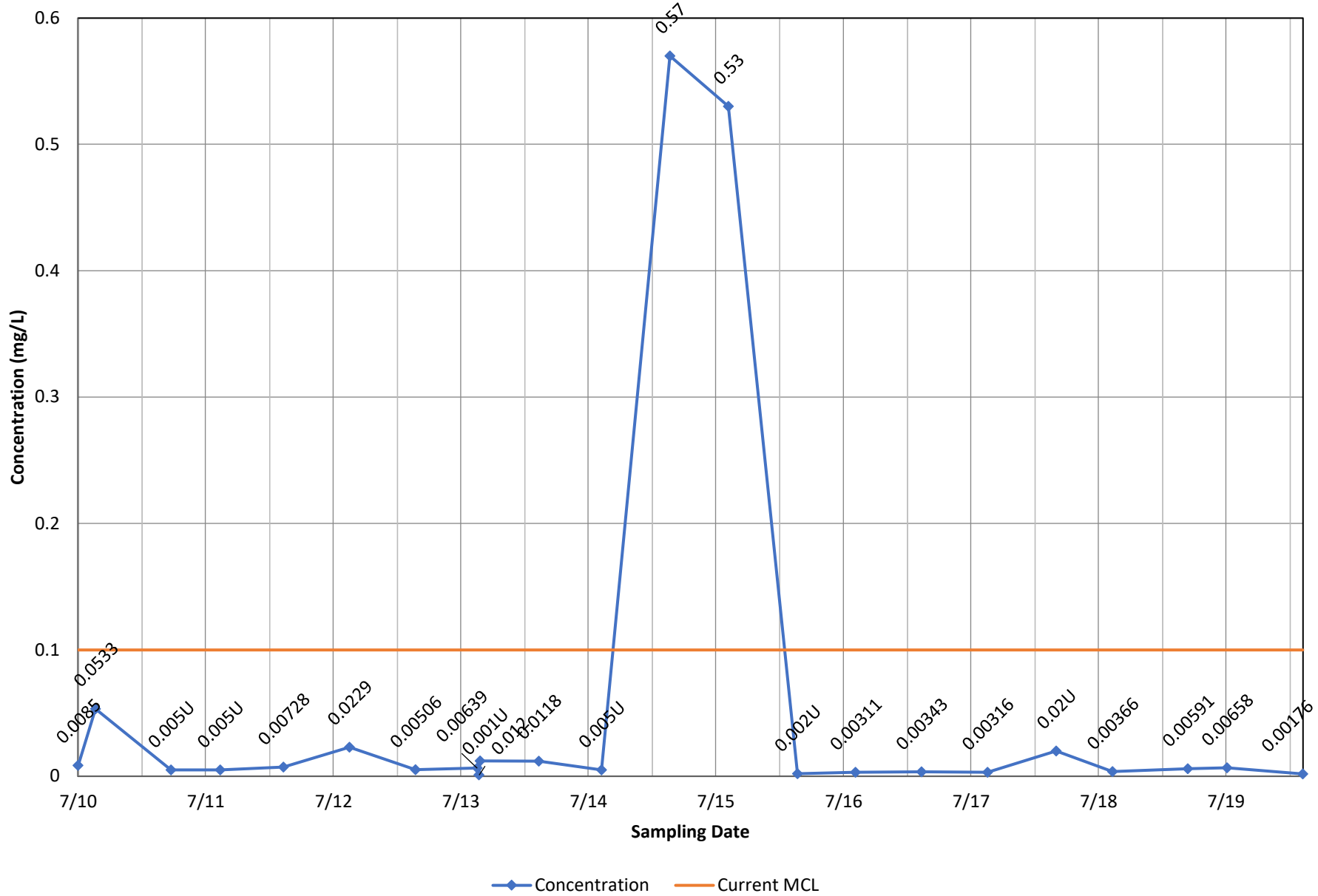


◆ Concentration — Current MCL

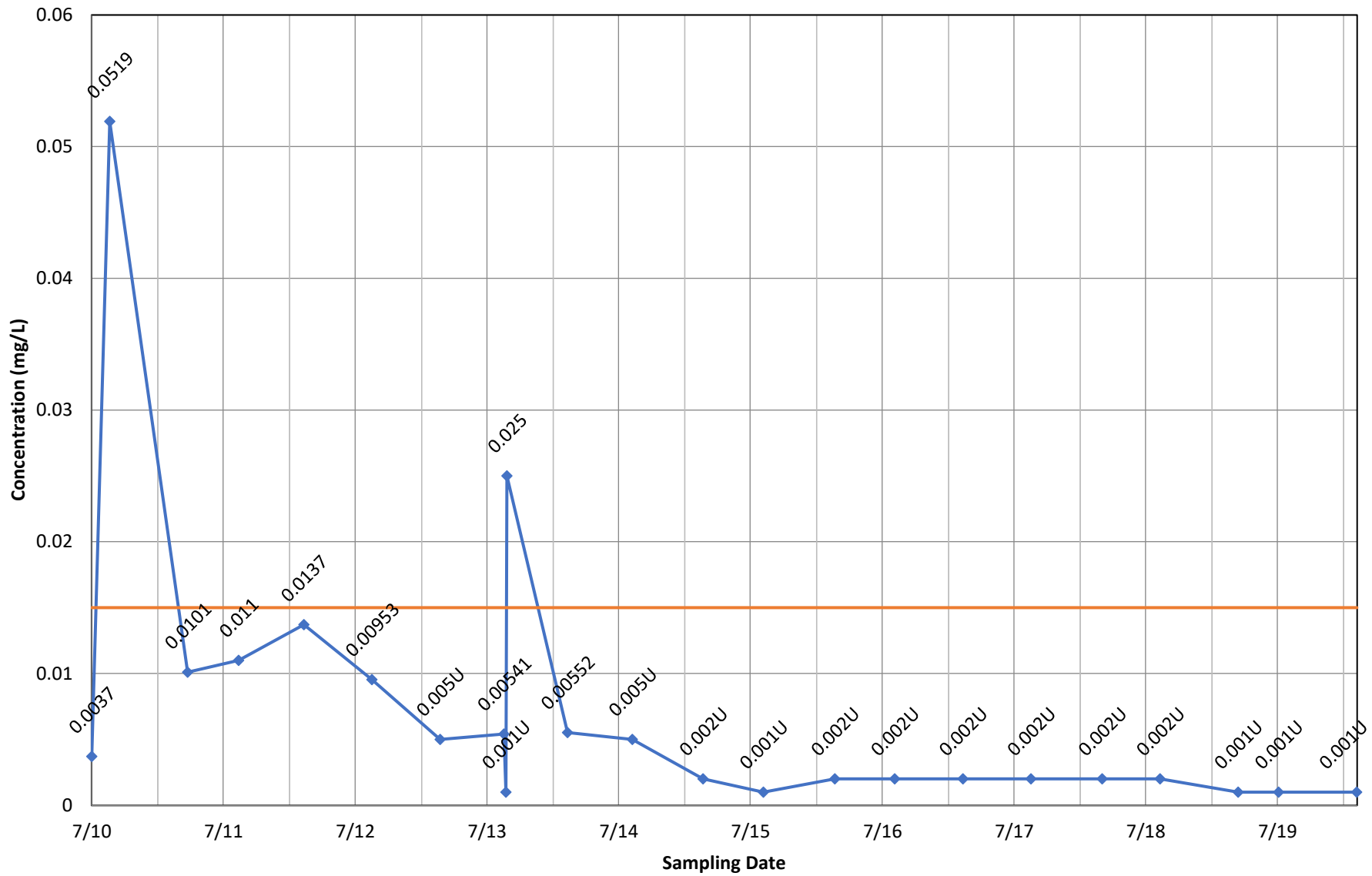
Monitoring Well MW-6 - Chromium, dissolved



Monitoring Well MW-6 - Chromium, total

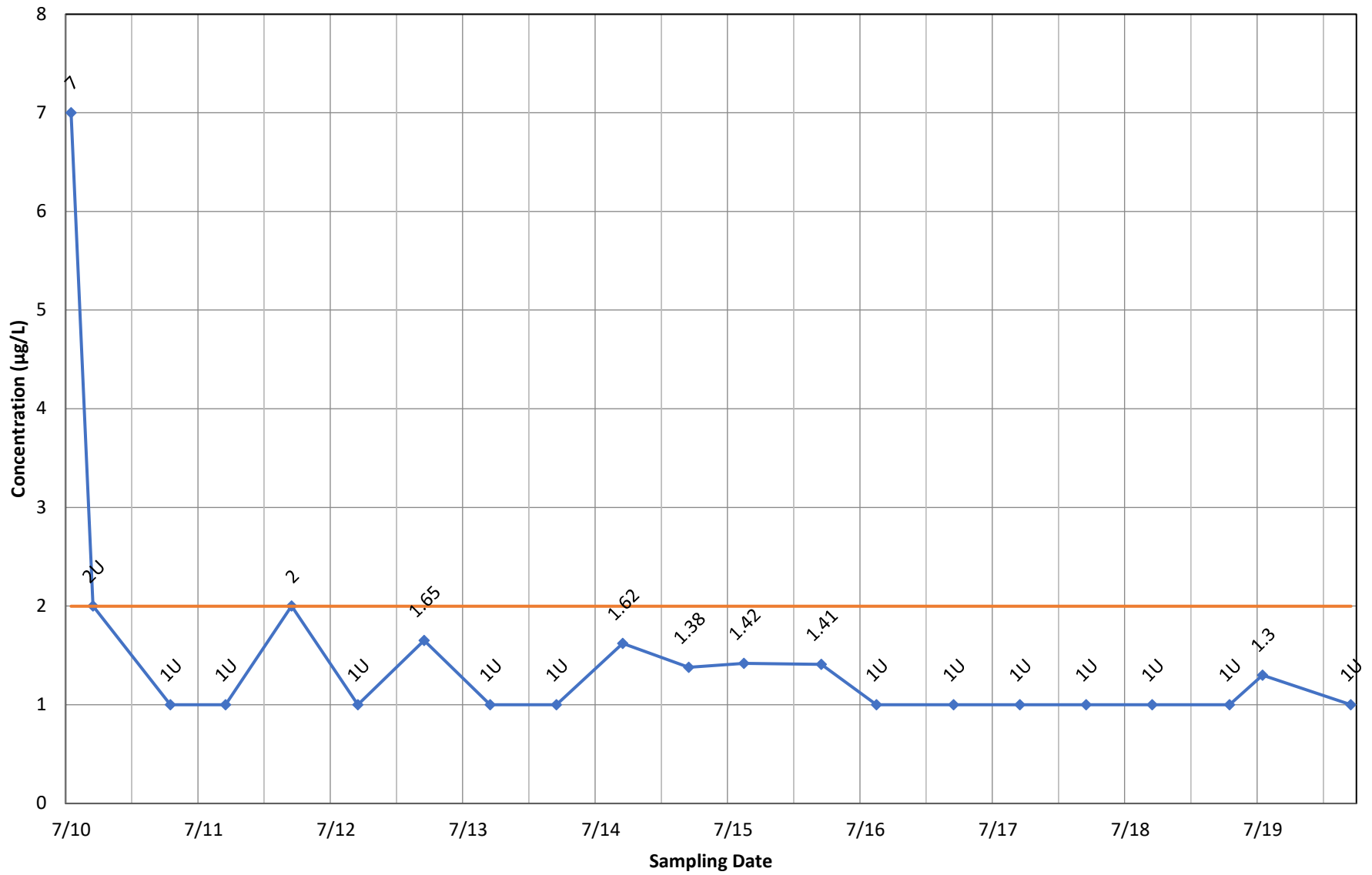


Monitoring Well MW-6 - Lead, total



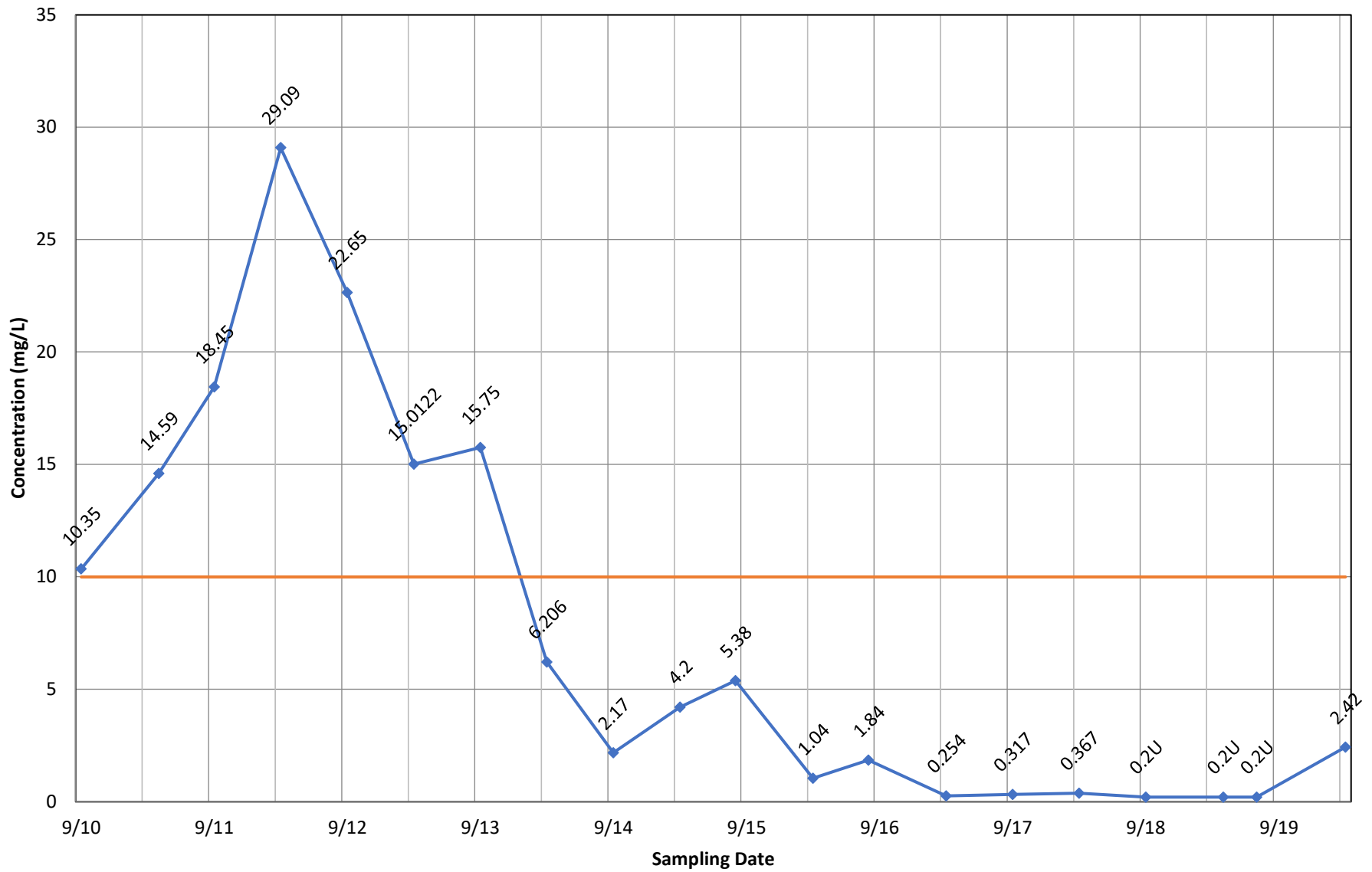
◆ Concentration — Current MCL

Monitoring Well MW-6 - Vinyl Chloride



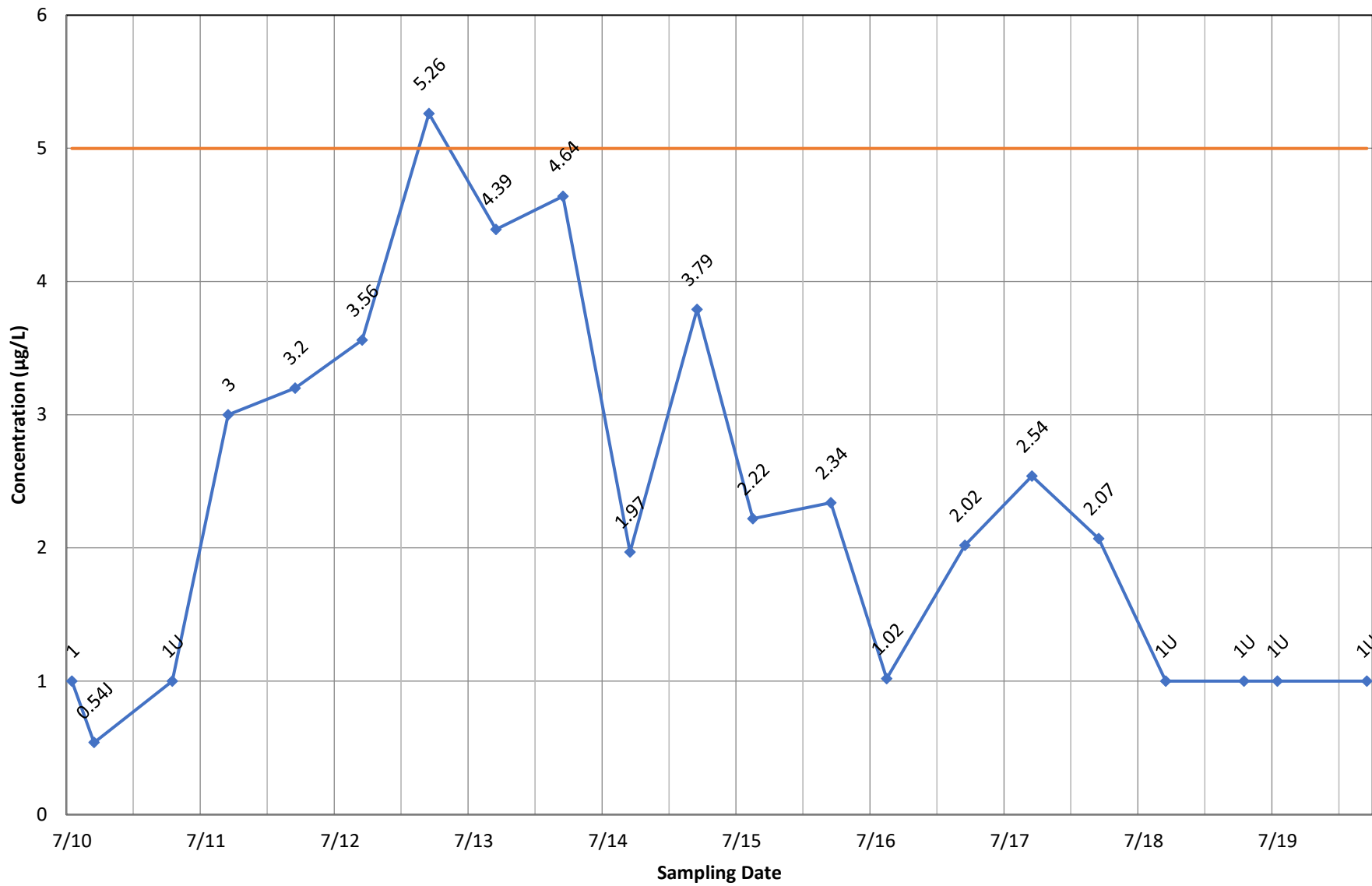
◆ Concentration — Current MCL

Monitoring Well MW-7 - Nitrate



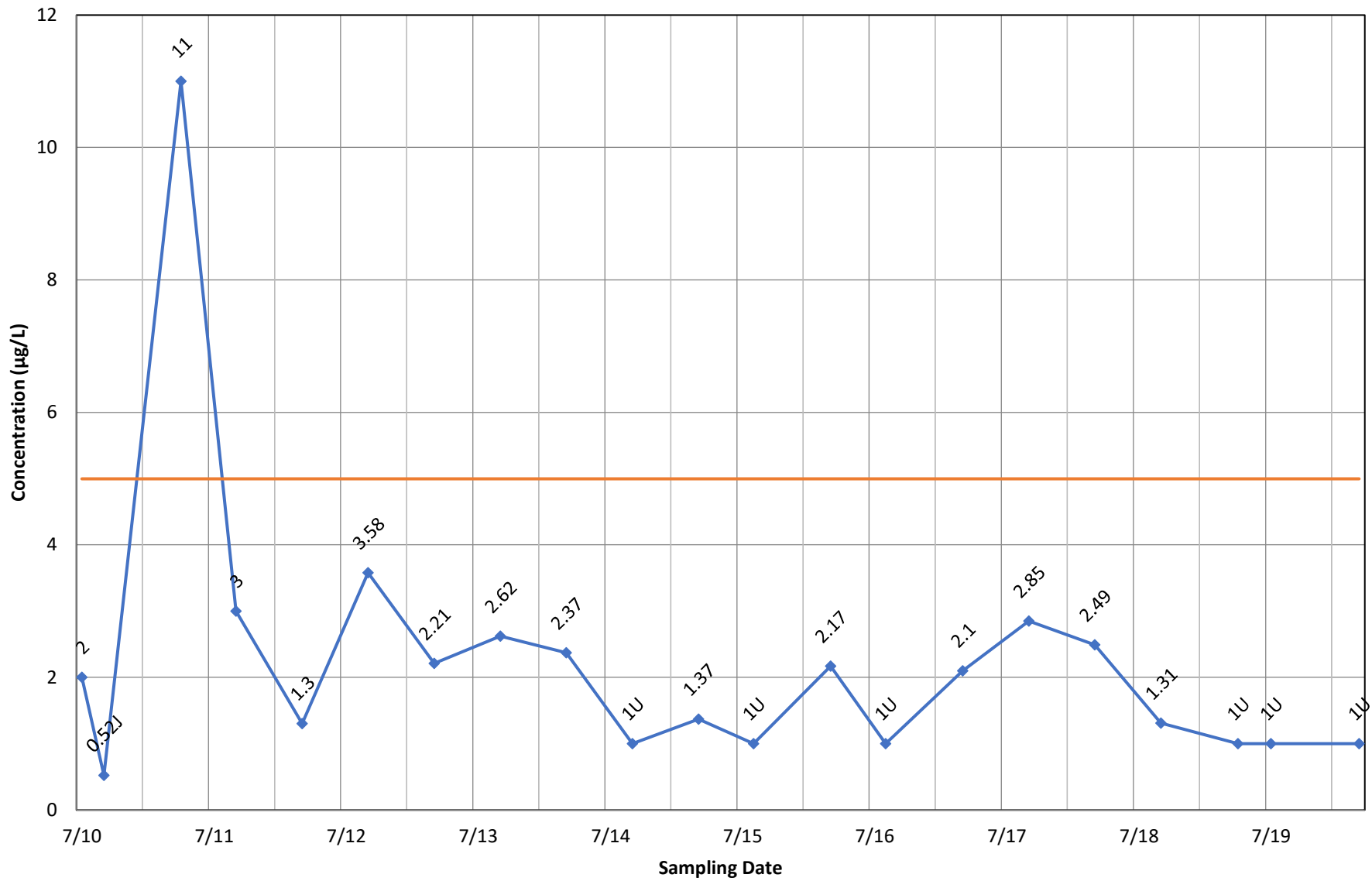
◆ Concentration — Current MCL

Monitoring Well MW-7 - Tetrachloroethene



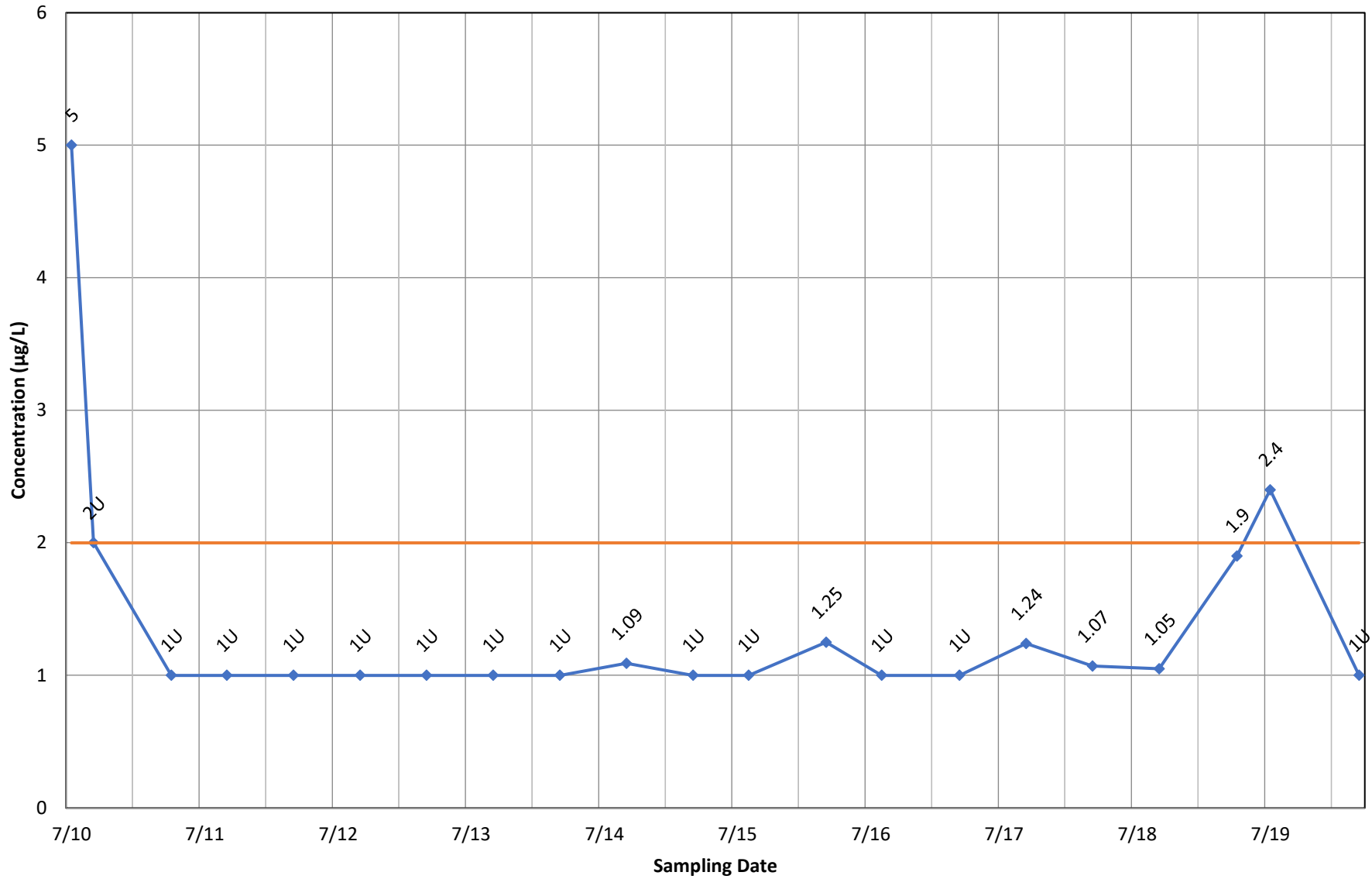
◆ Concentration — Current MCL

Monitoring Well MW-7 - Trichloroethene



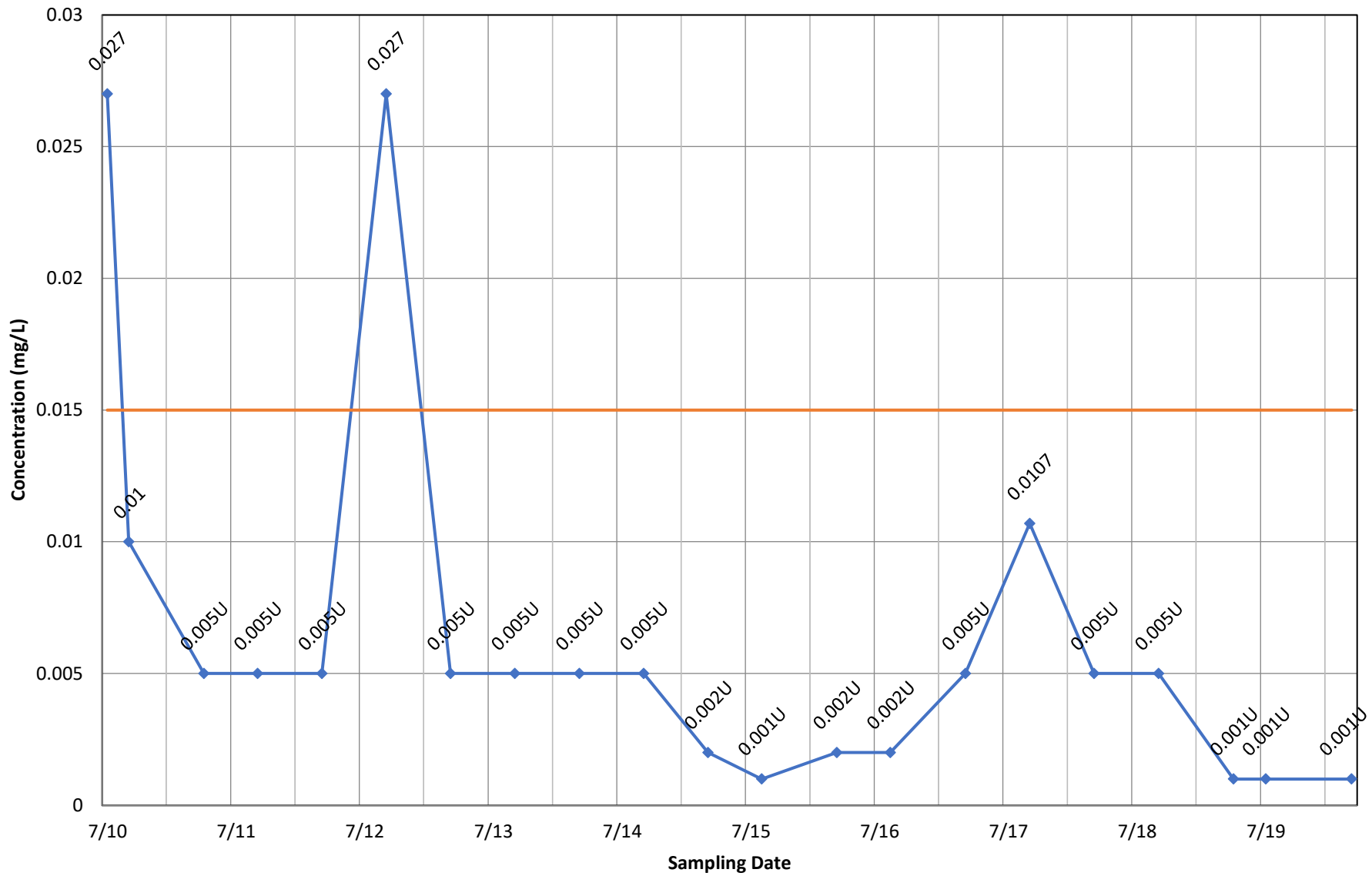
◆ Concentration — Current MCL

Monitoring Well MW-7 - Vinyl Chloride



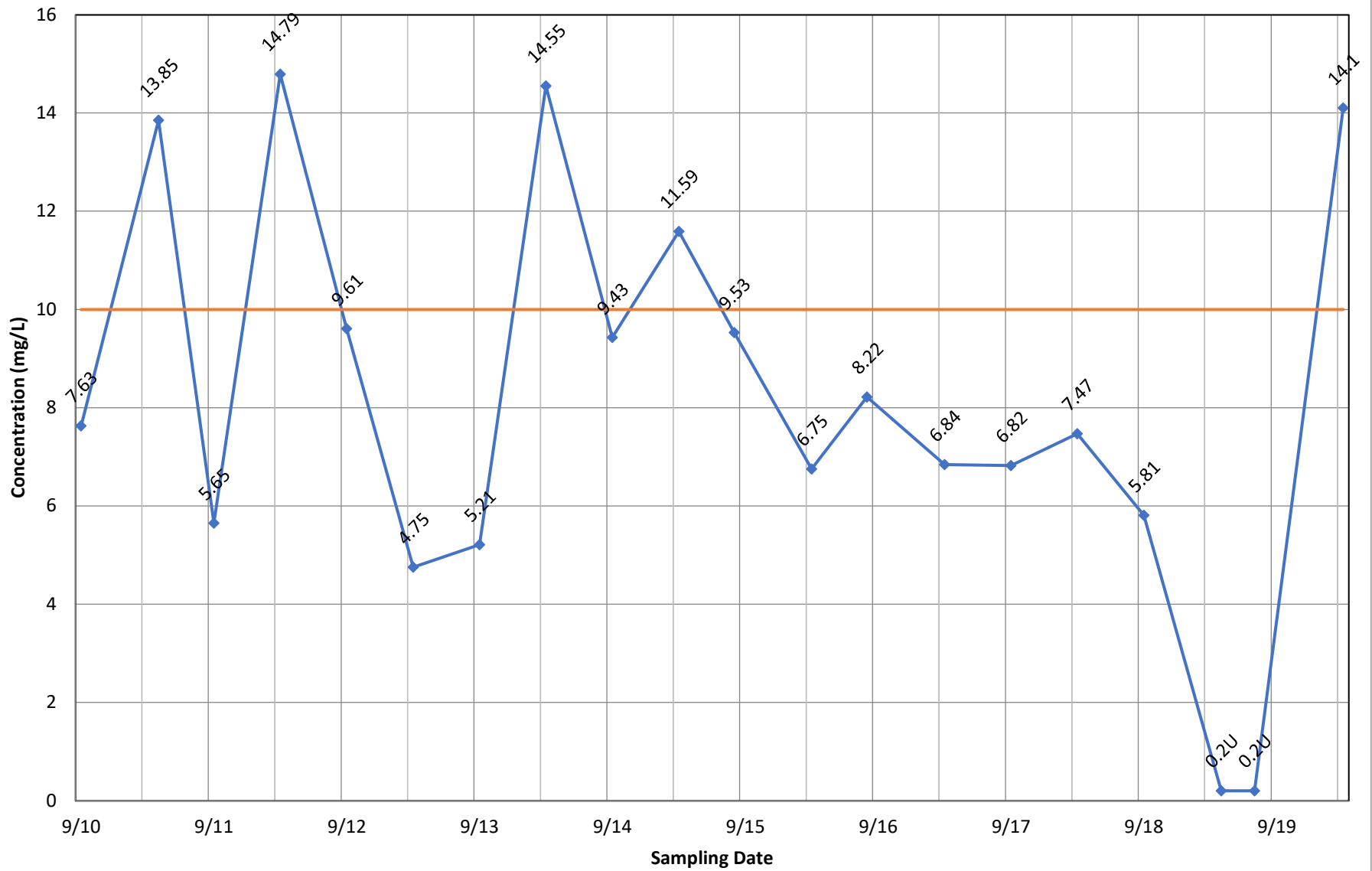
◆ Concentration — Current MCL

Monitoring Well MW-8 - Lead, total



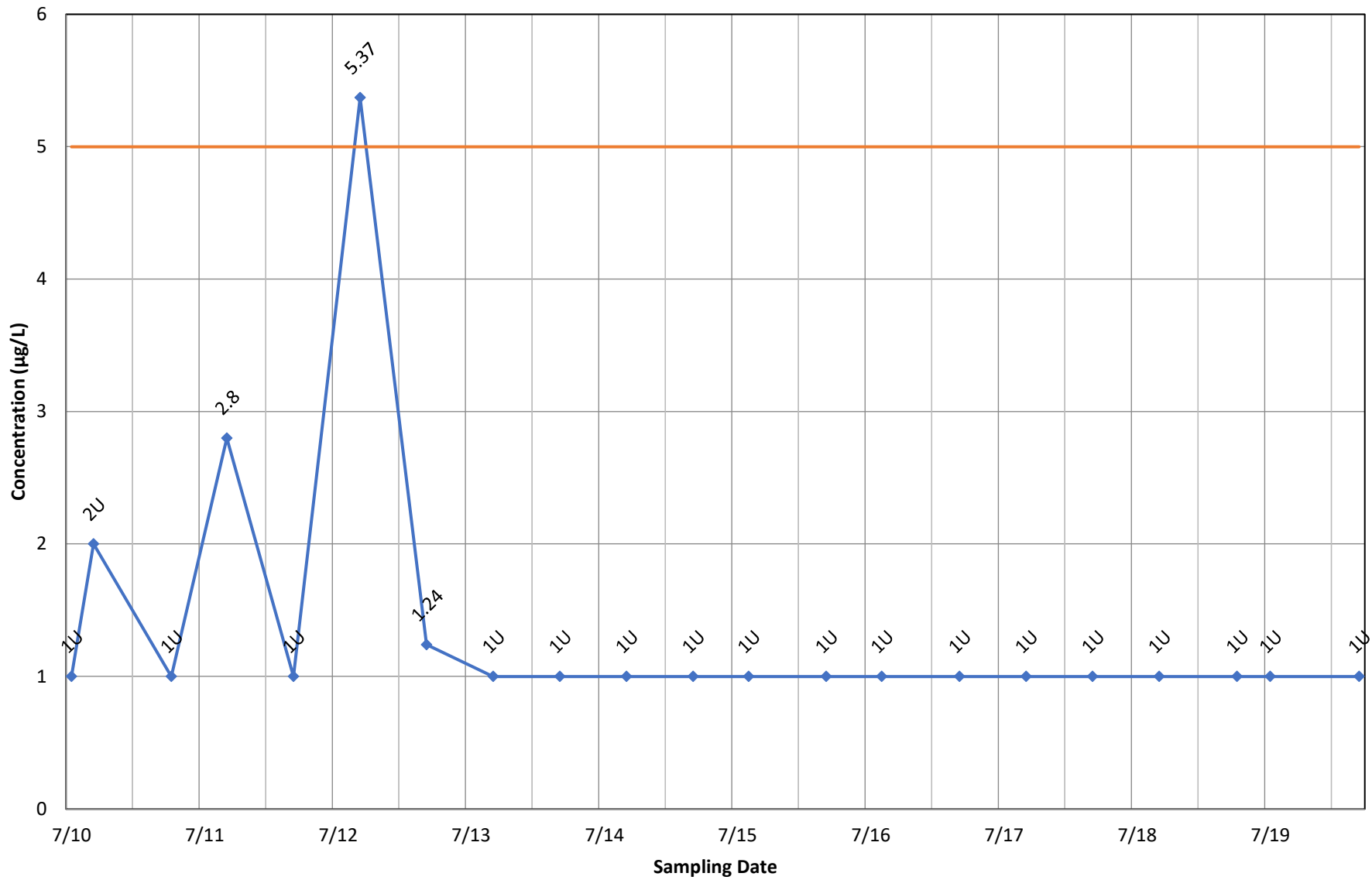
◆ Concentration — Current MCL

Monitoring Well MW-8 - Nitrate



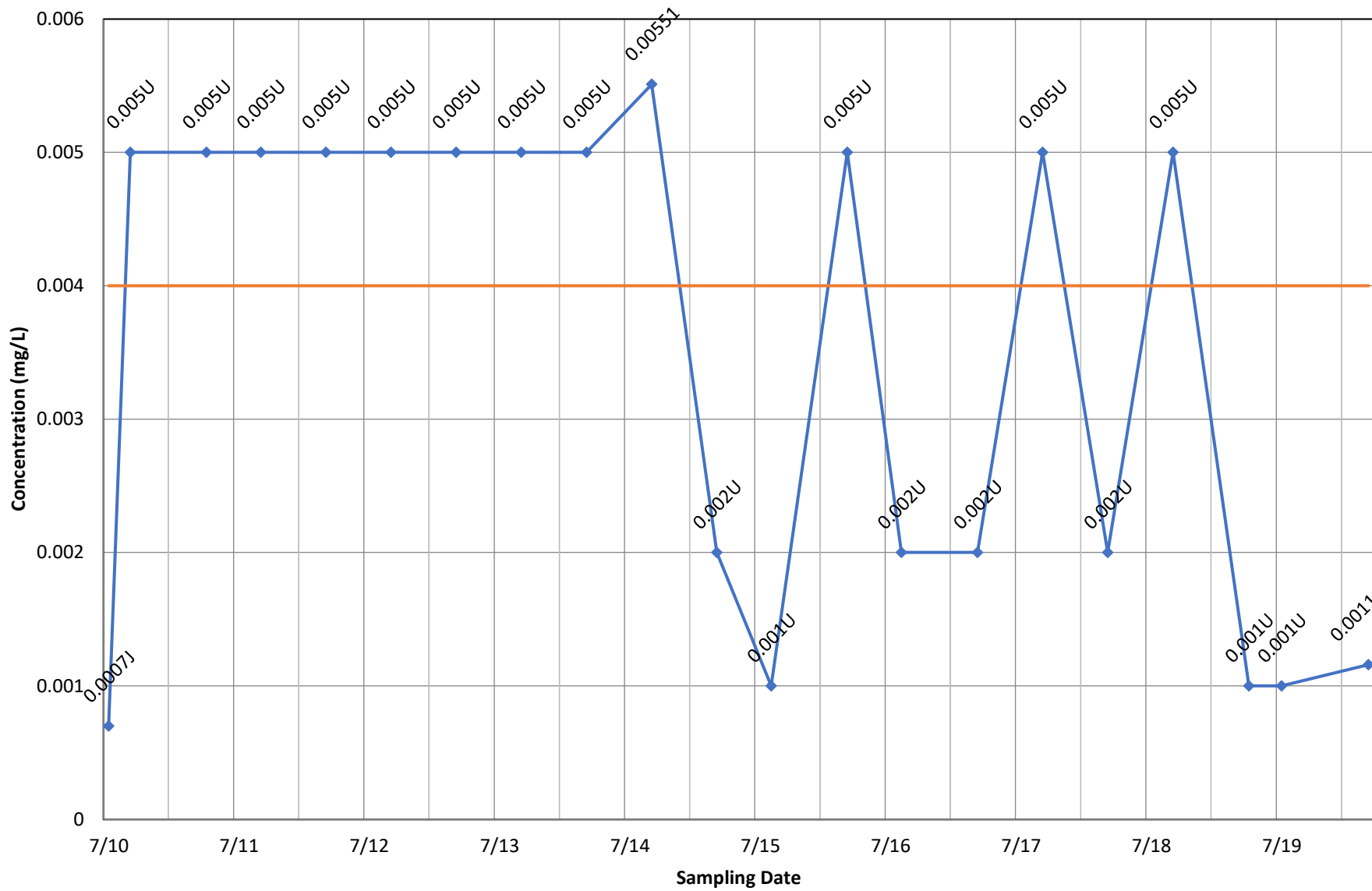
◆ Concentration — Current MCL

Monitoring Well MW-8 - Trichloroethene



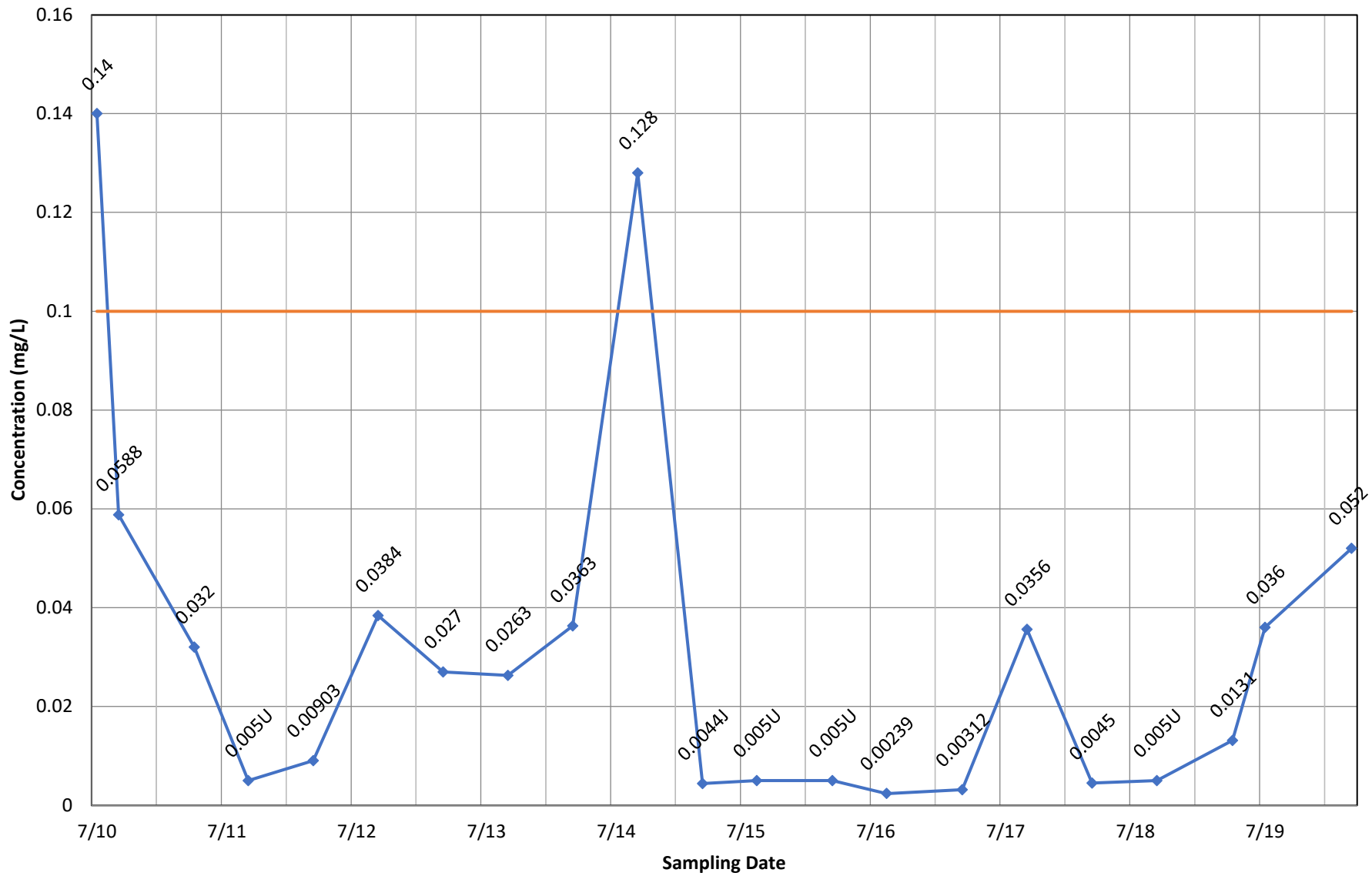
◆ Concentration — Current MCL

Monitoring Well MW-9 - Beryllium, total



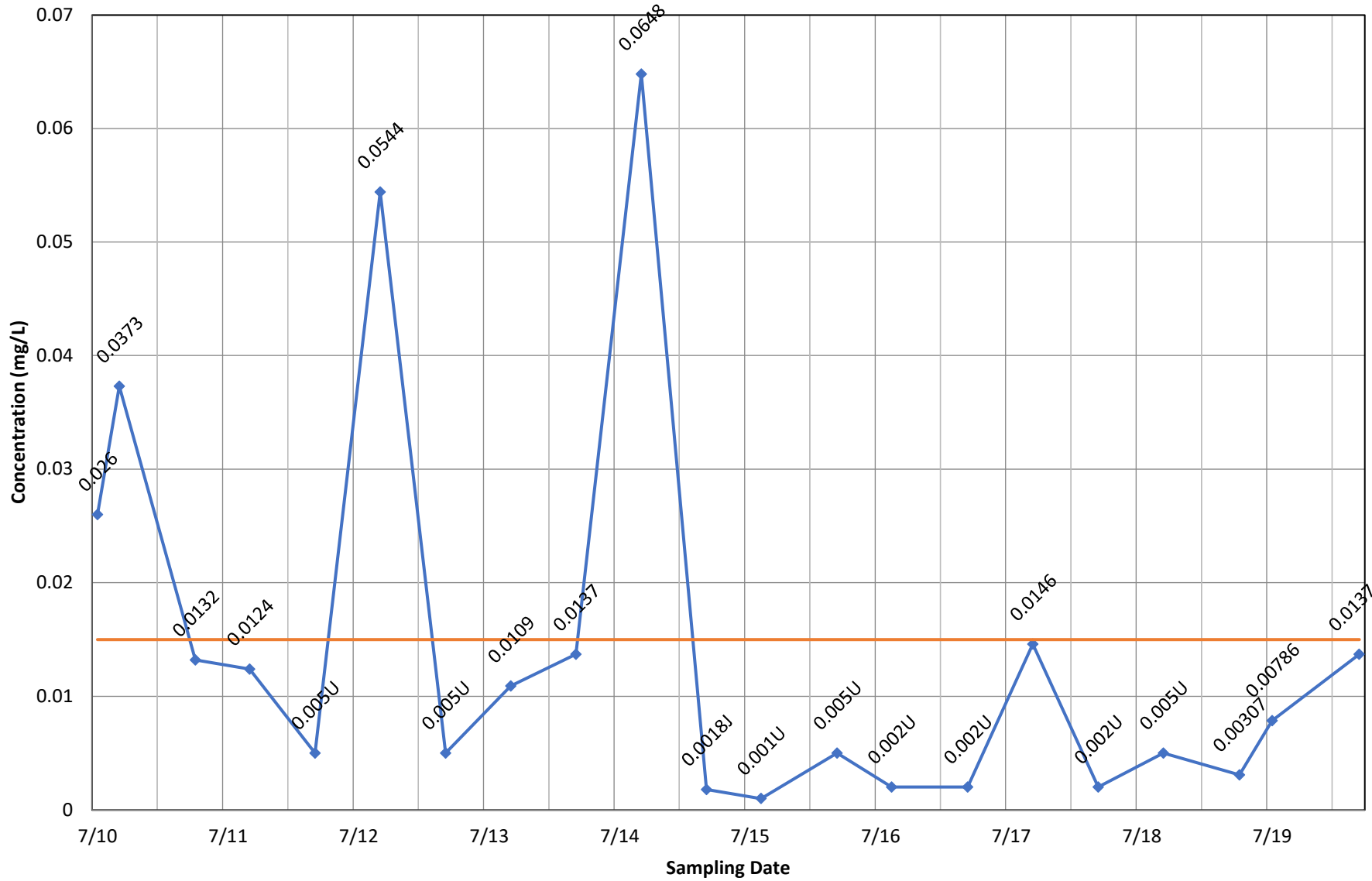
◆ Concentration — Current MCL

Monitoring Well MW-9 - Chromium, total



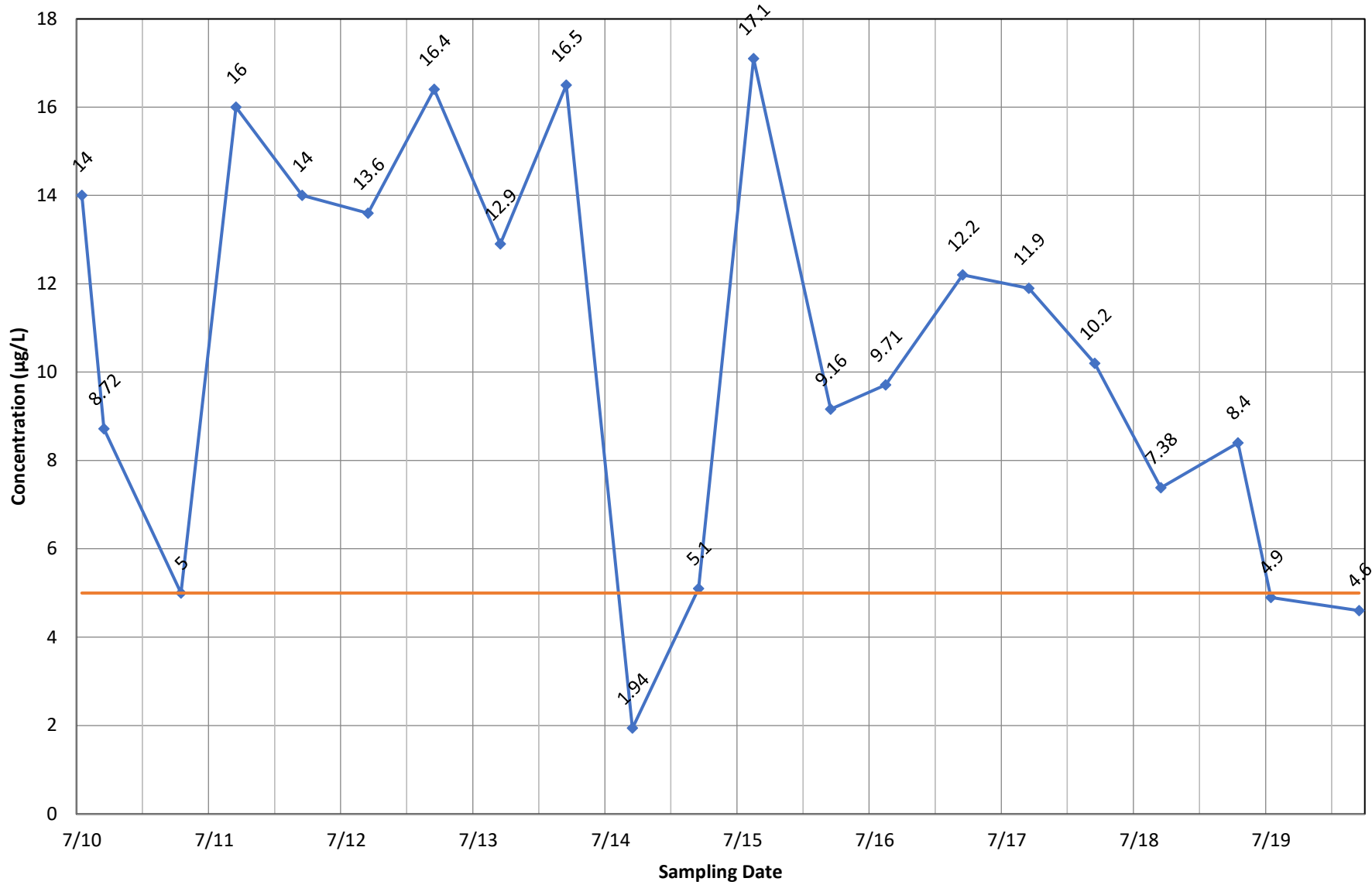
◆ Concentration — Current MCL

Monitoring Well MW-9 - Lead, total



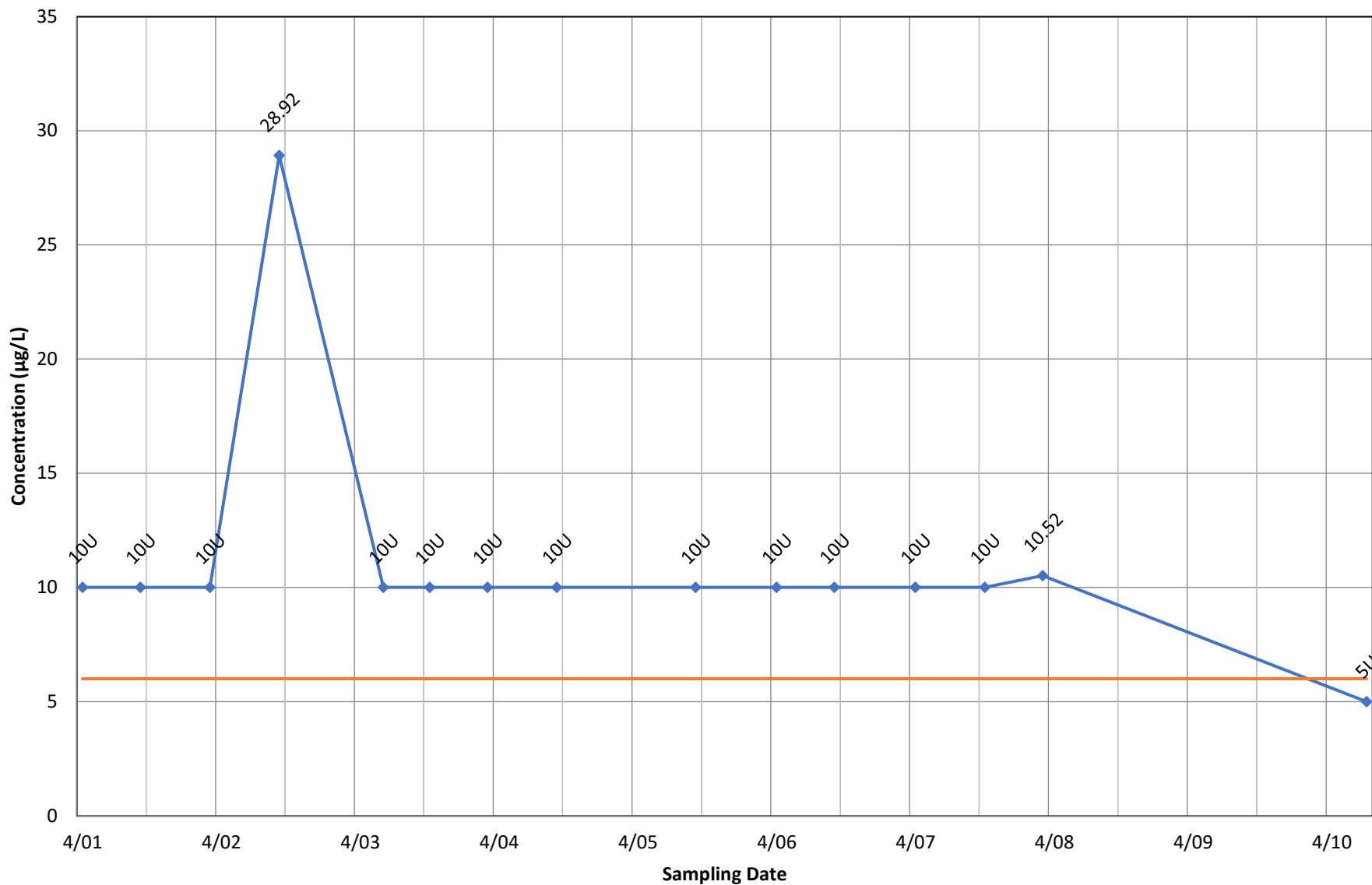
◆ Concentration — Current MCL

Monitoring Well MW-9 - Tetrachloroethene



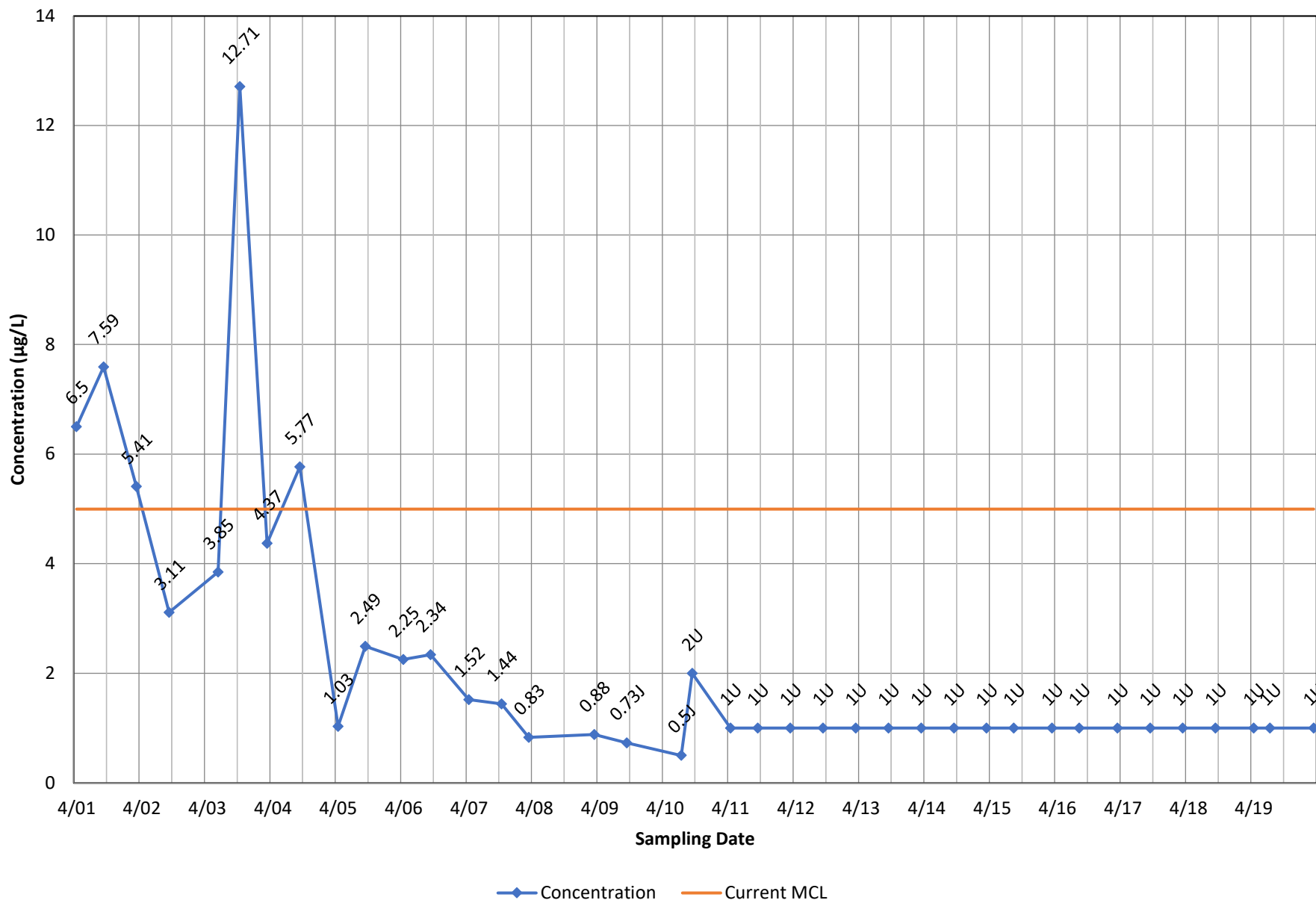
◆ Concentration — Current MCL

Monitoring Well OB01 - Bis(2-Ethylhexyl) Phthalate

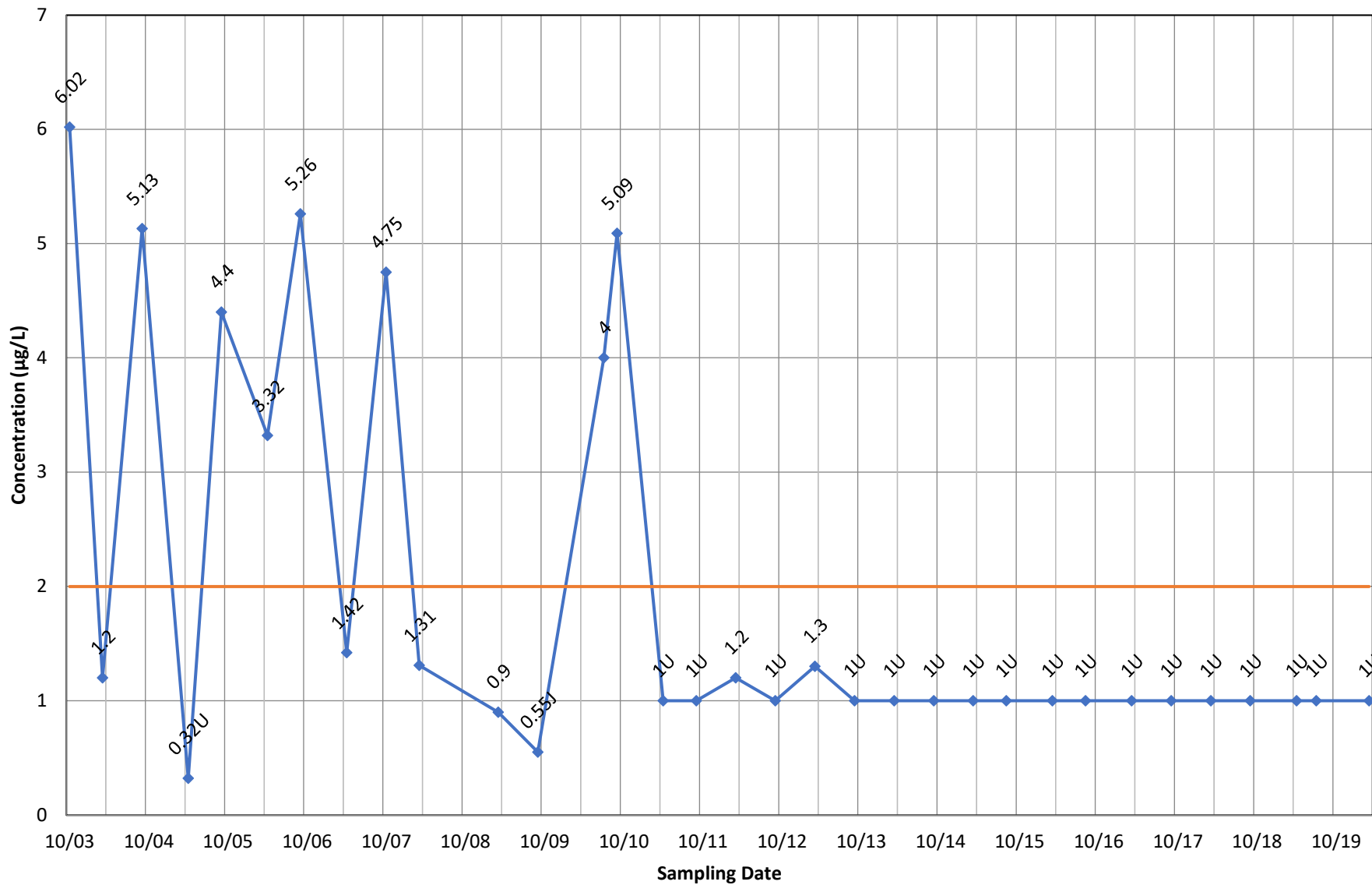


◆ Concentration — Current MCL

Monitoring Well OB01 - Trichloroethene

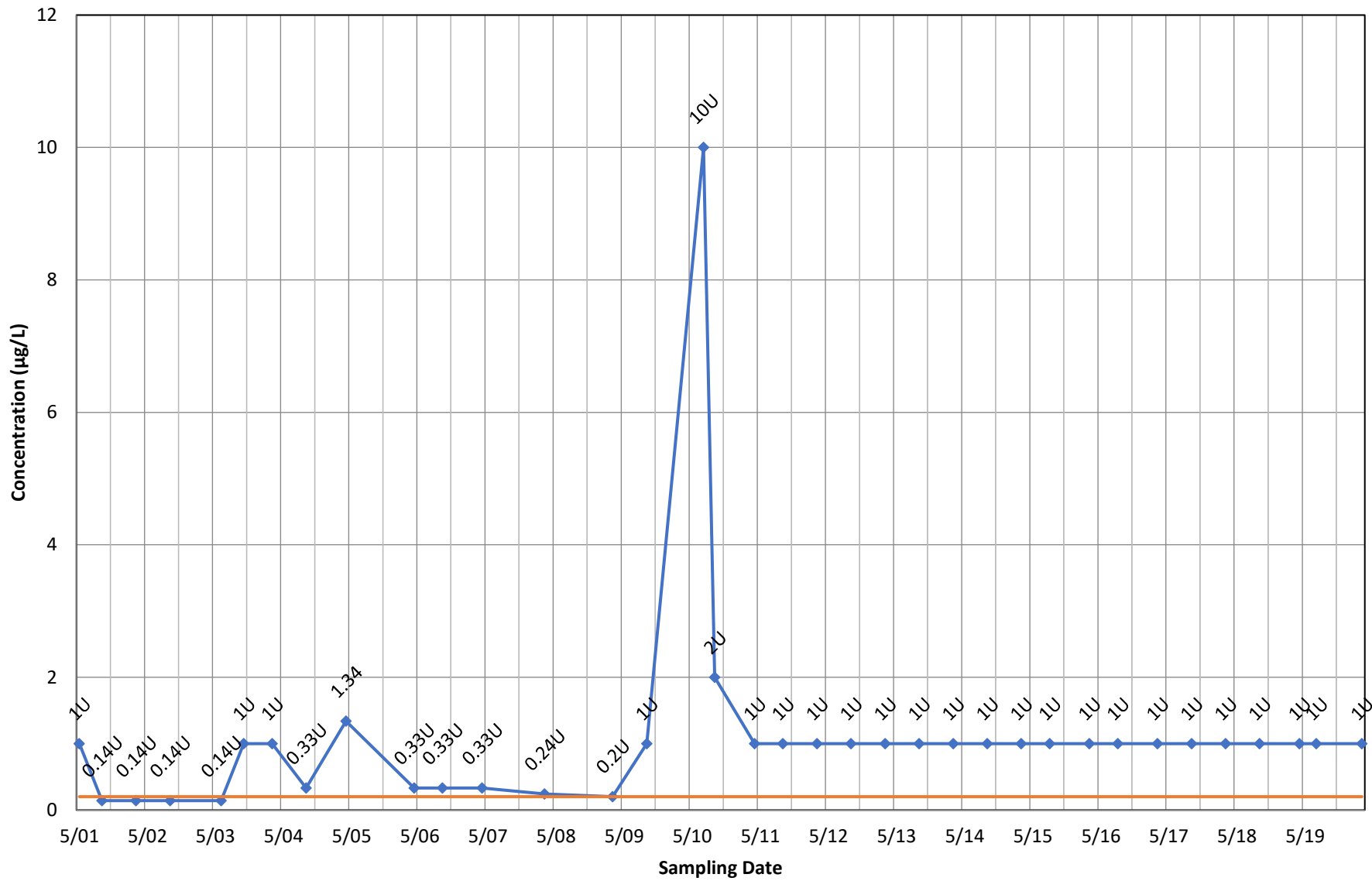


Monitoring Well OB01 - Vinyl Chloride



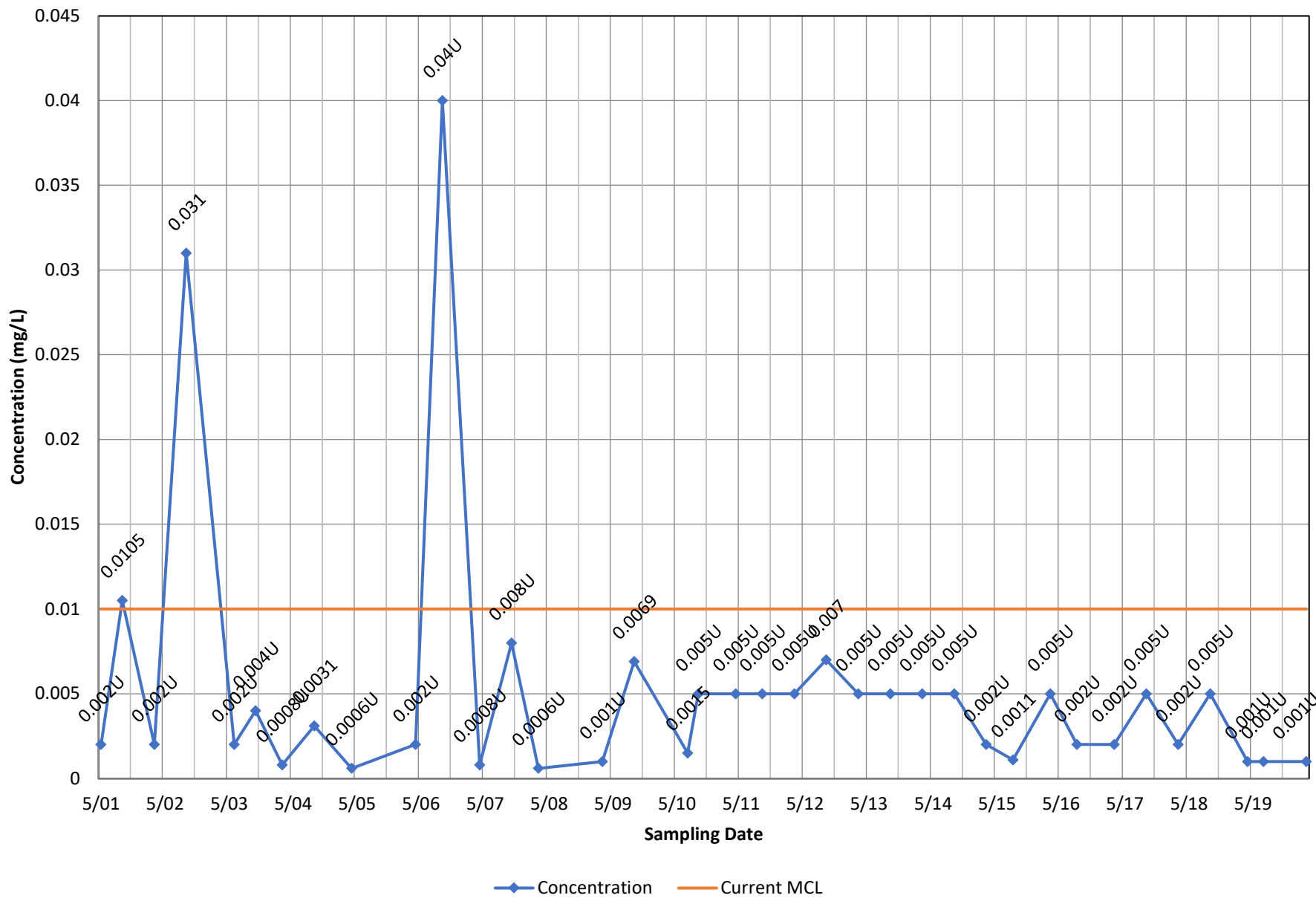
◆ Concentration — Current MCL

Monitoring Well OB015 - 1,2-Dibromo-3-chloropropane

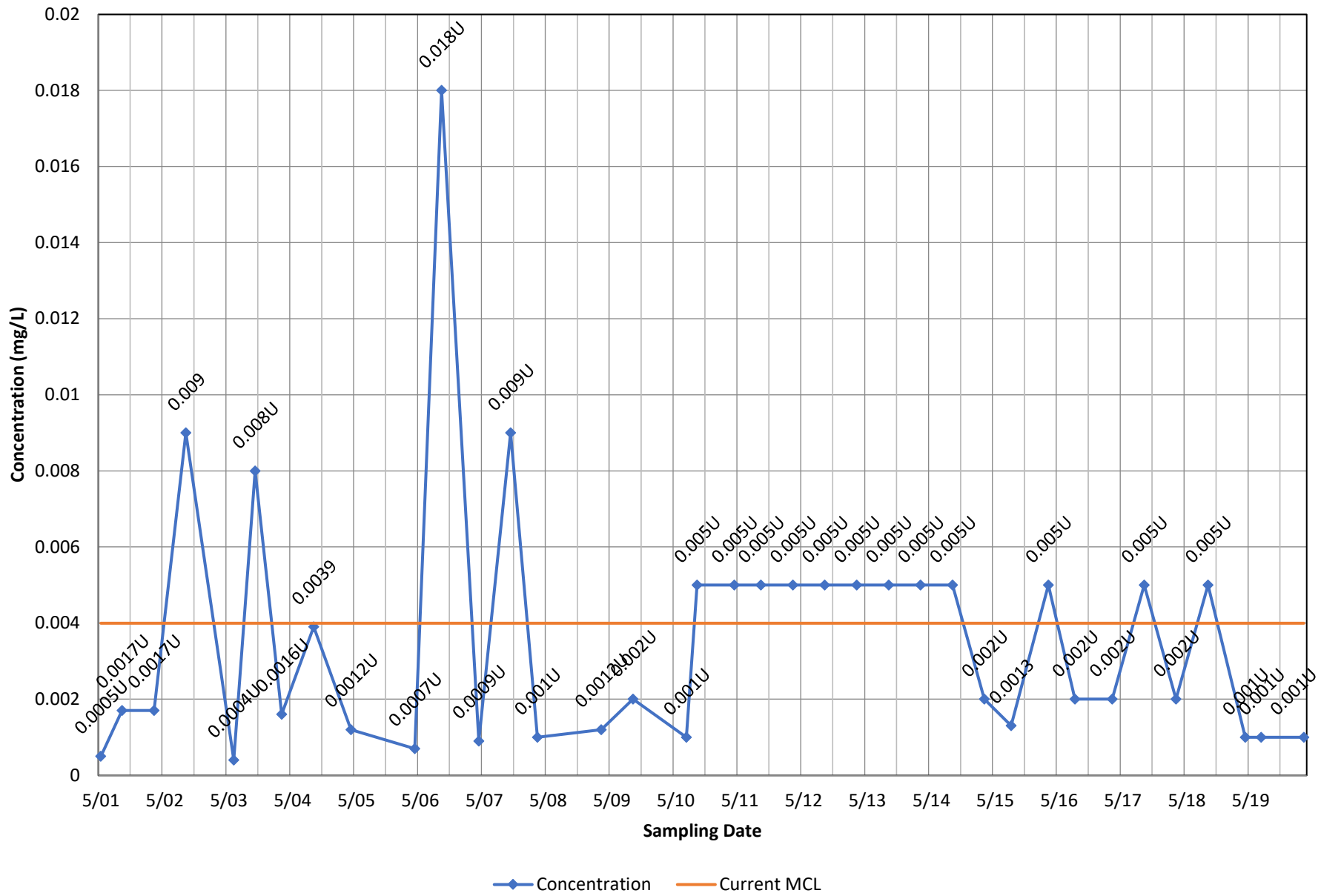


◆ Concentration — Current MCL

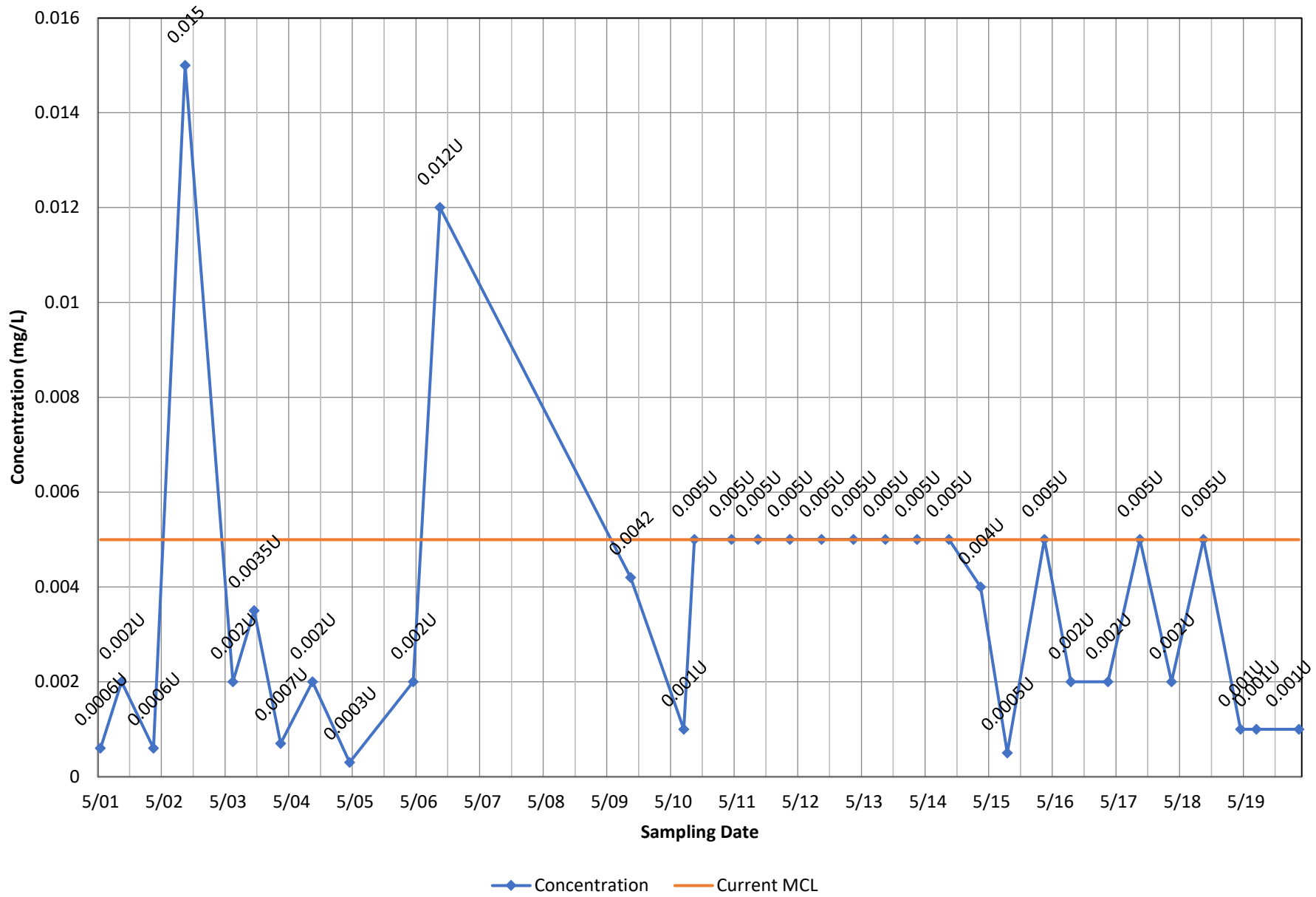
Monitoring Well OB015 - Arsenic, total



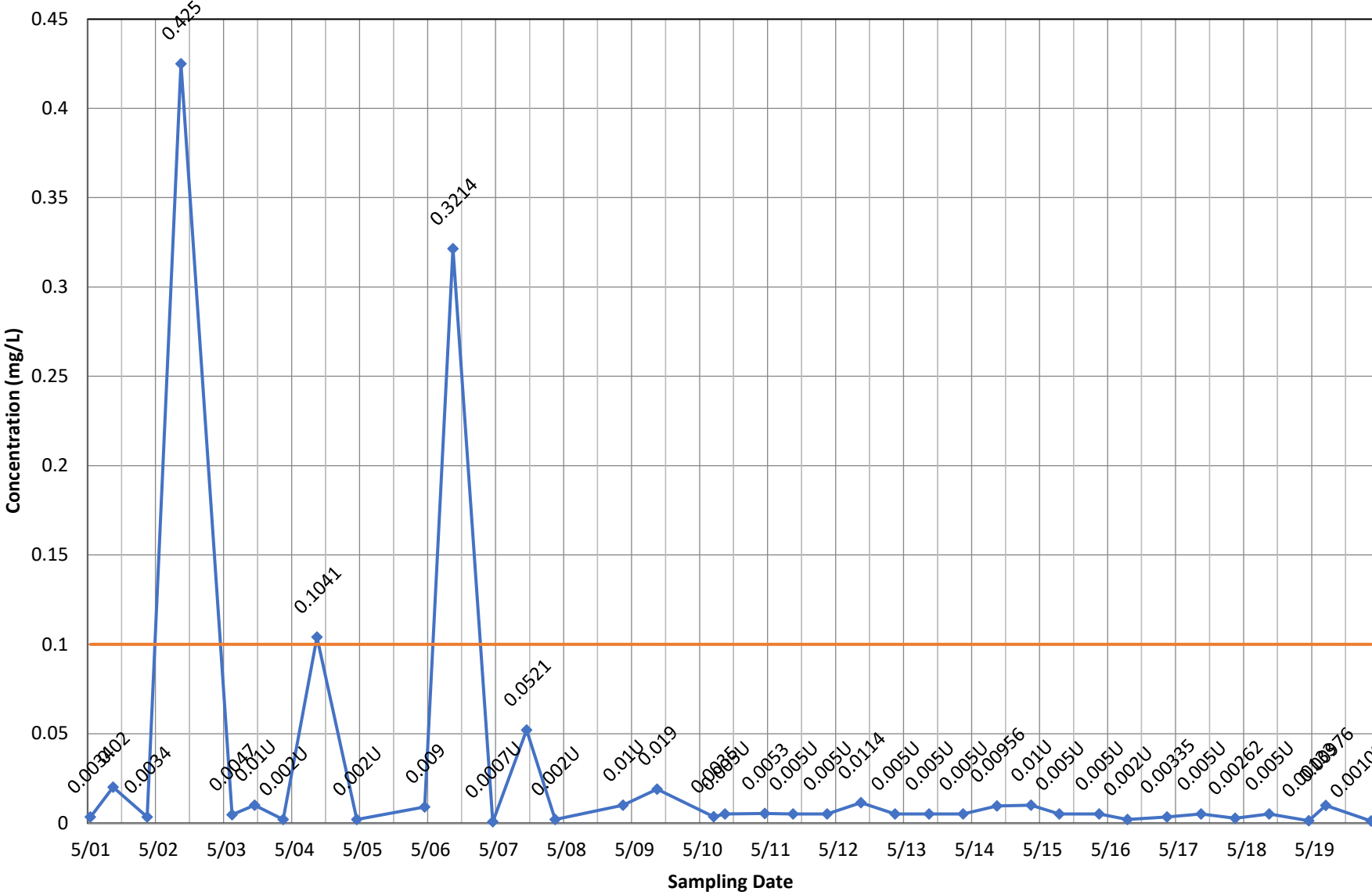
Monitoring Well OB015 - Beryllium, total



Monitoring Well OB015 - Cadmium, total

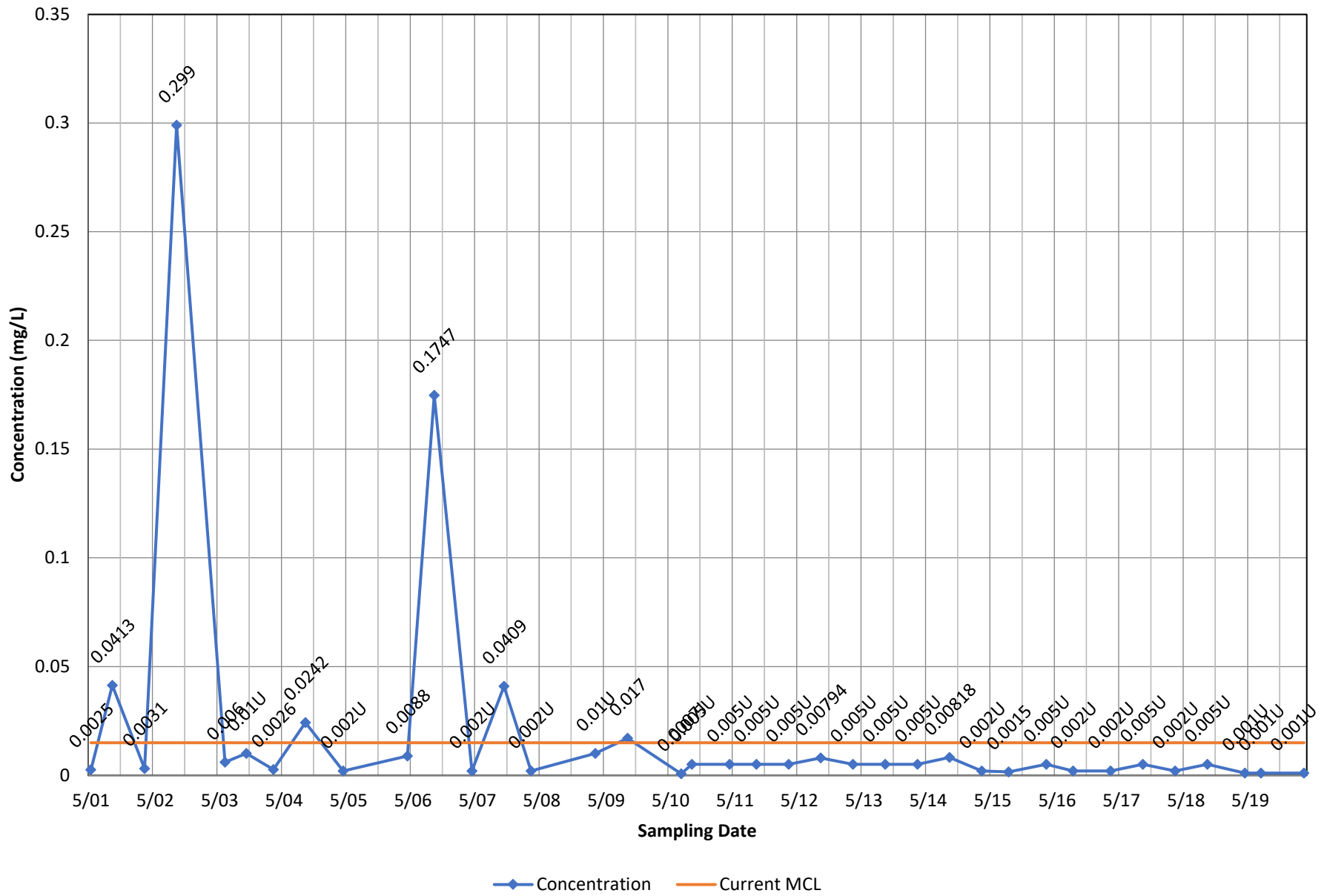


Monitoring Well OB015 - Chromium, total

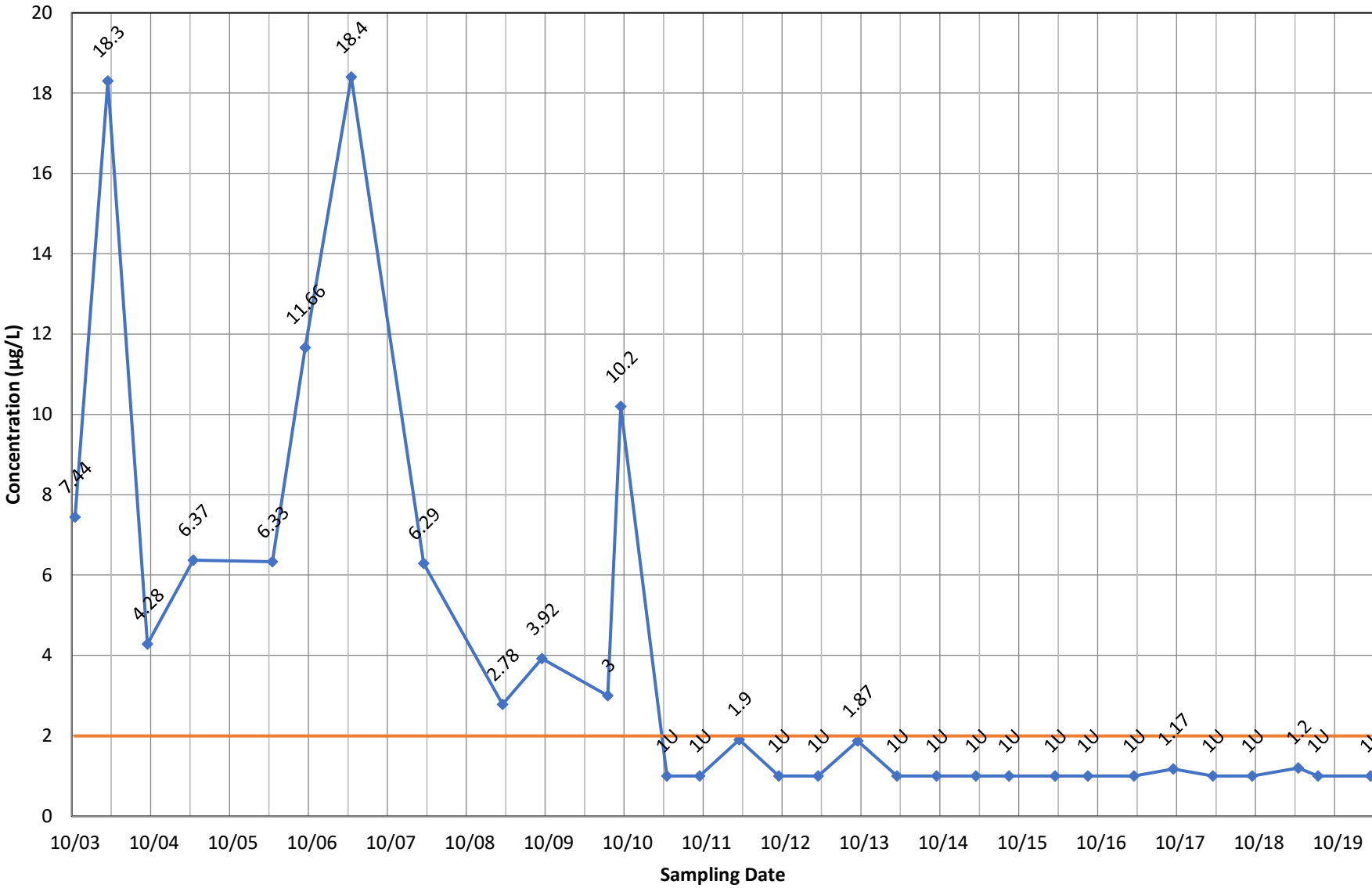


◆ Concentration — Current MCL

Monitoring Well OB015 - Lead, total

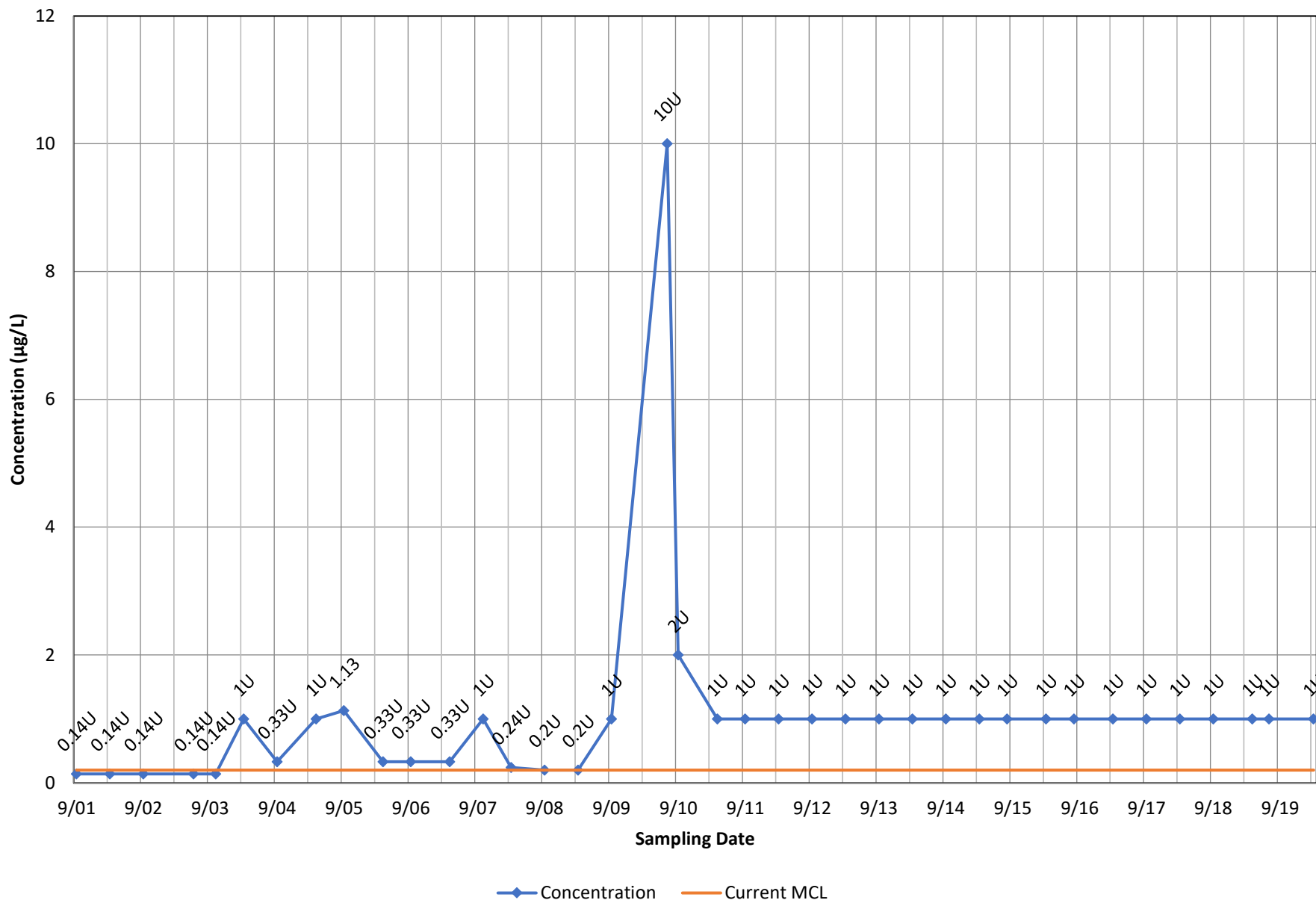


Monitoring Well OB015 - Vinyl Chloride

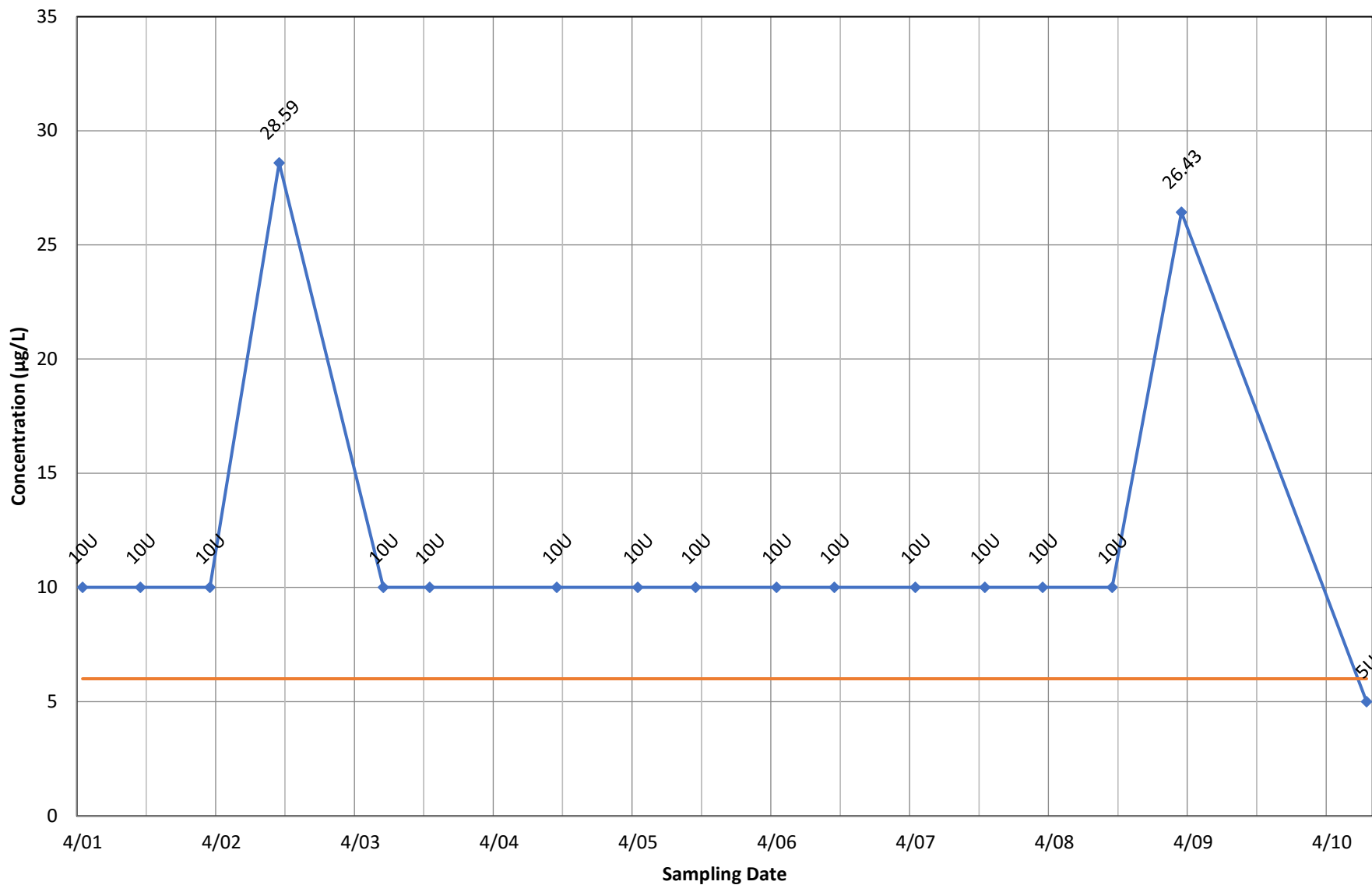


◆ Concentration — Current MCL

Monitoring Well OB02 - 1,2-Dibromo-3-chloropropane

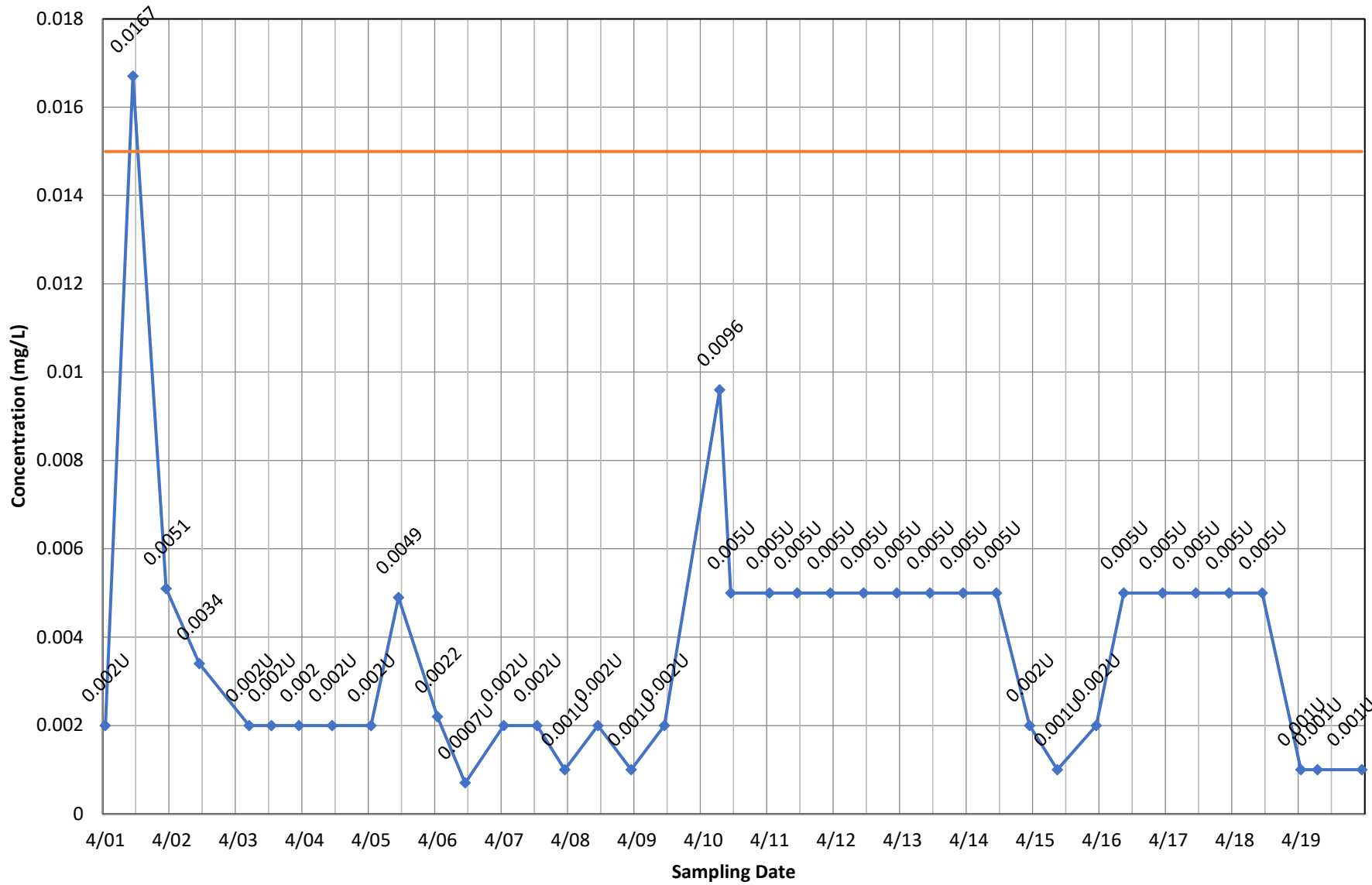


Monitoring Well OB02 - Bis(2-Ethylhexyl) Phthalate



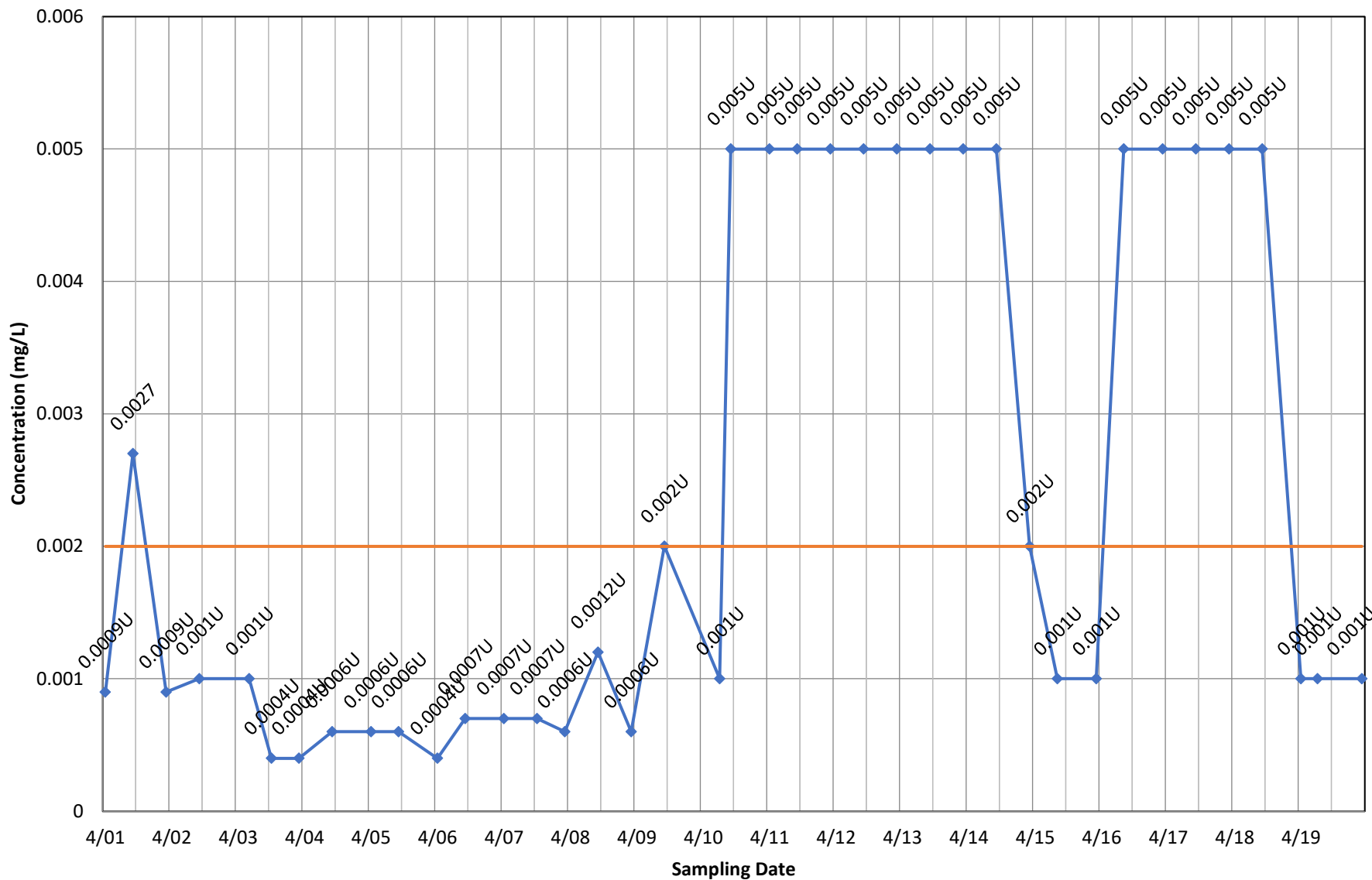
◆ Concentration — Current MCL

Monitoring Well OB02 - Lead, total



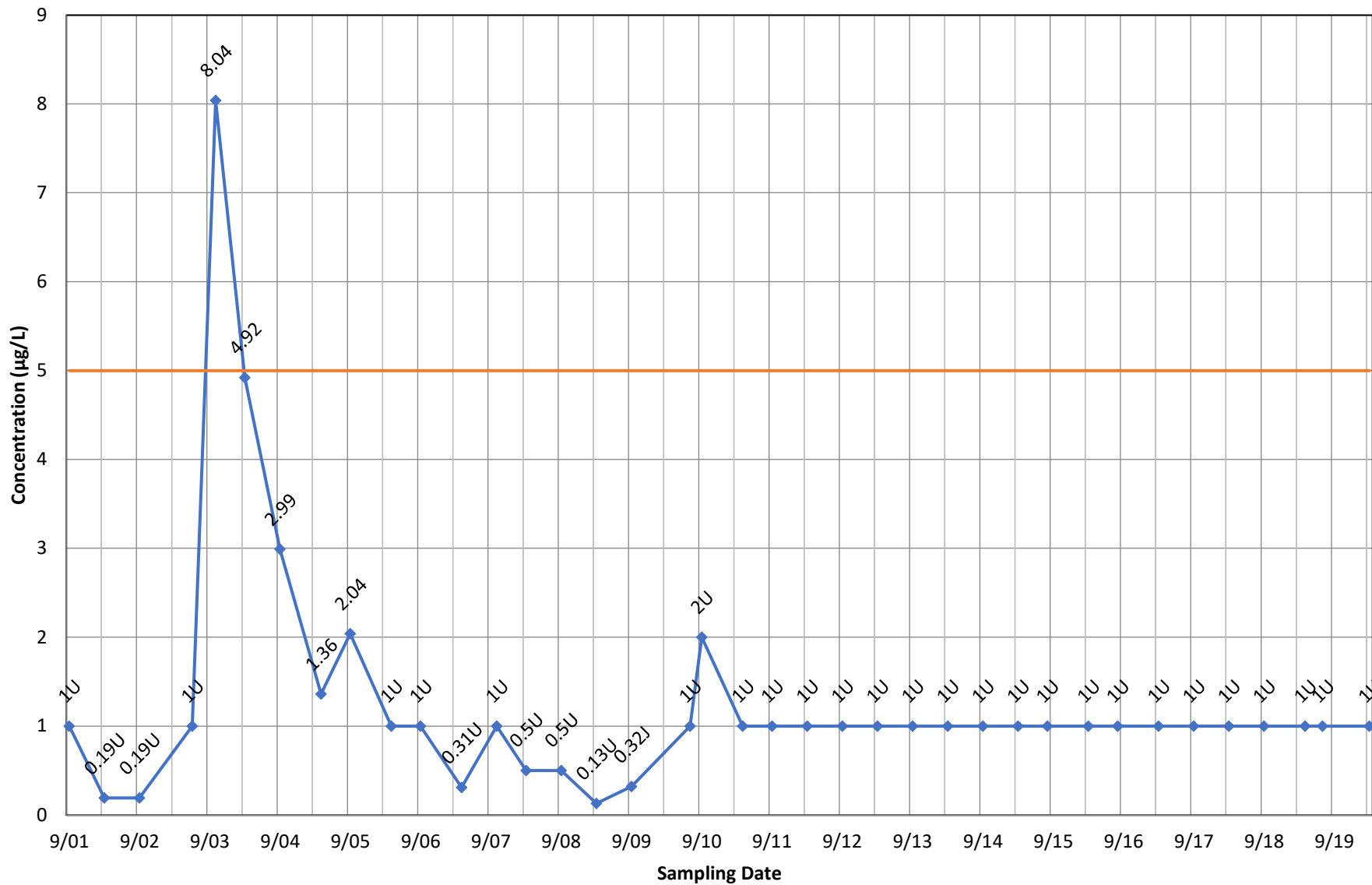
◆ Concentration — Current MCL

Monitoring Well OB02 - Thallium, total



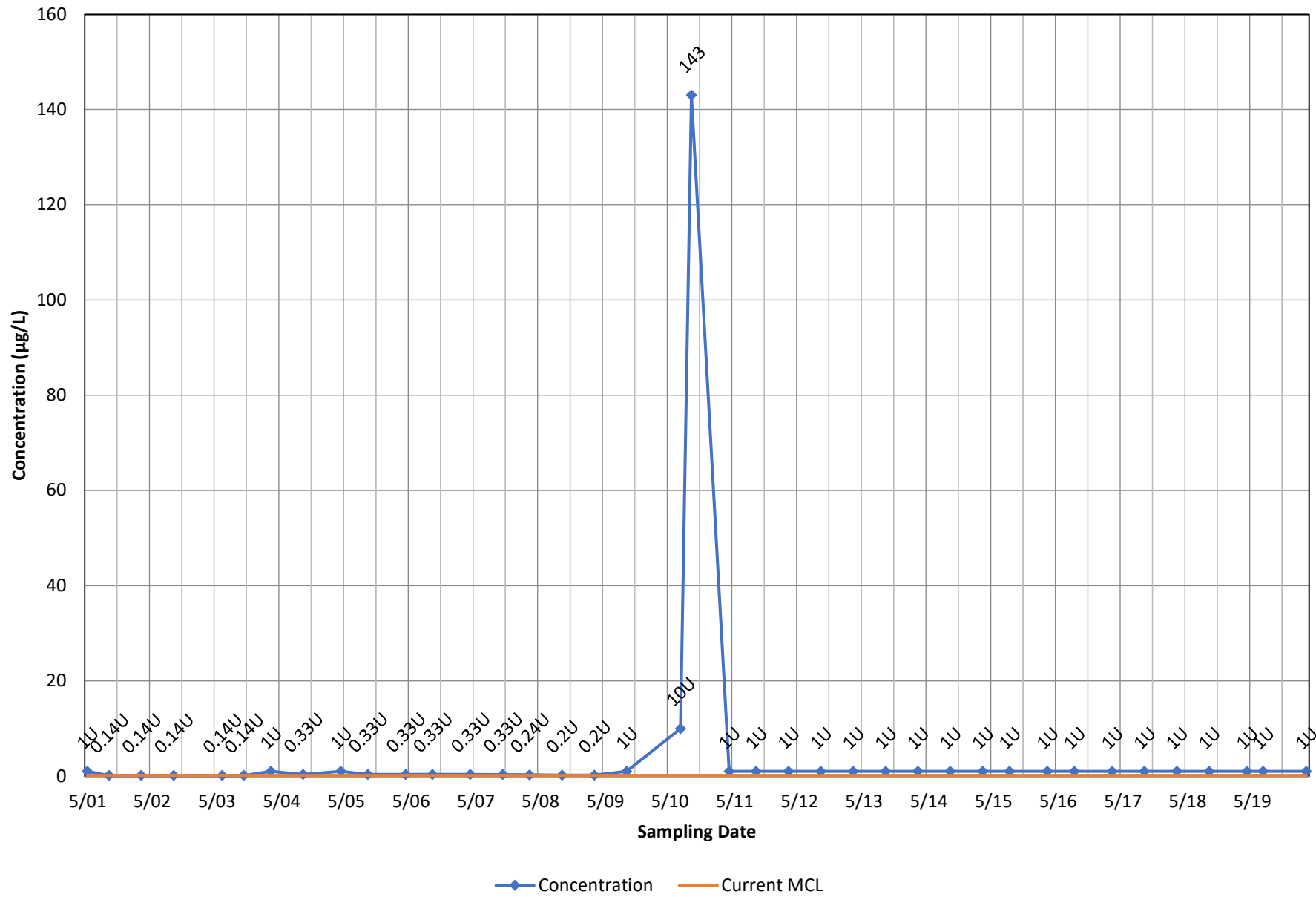
◆ Concentration — Current MCL

Monitoring Well OB02 - Trichloroethene

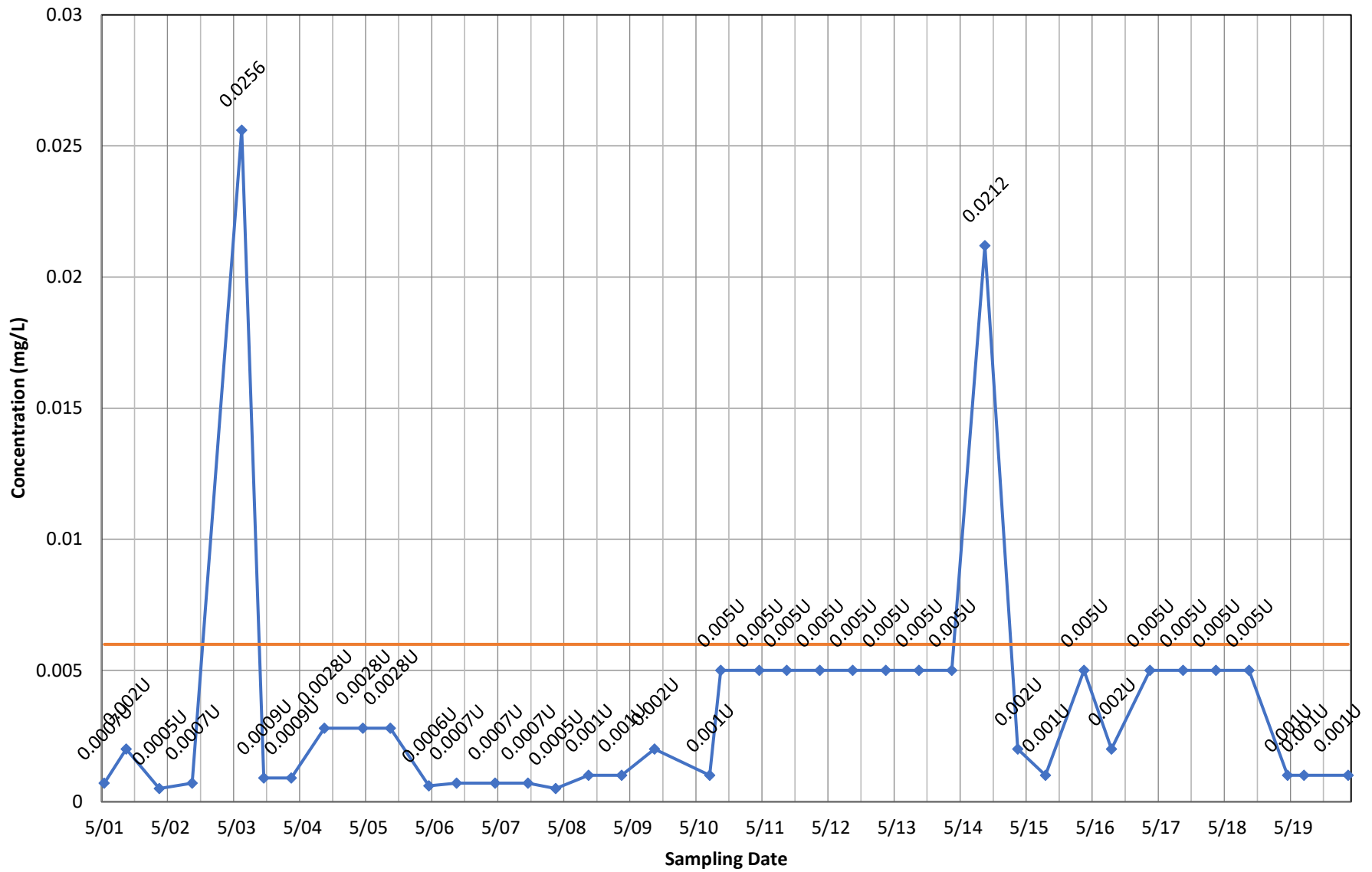


◆ Concentration — Current MCL

Monitoring Well OB025 - 1,2-Dibromo-3-chloropropane

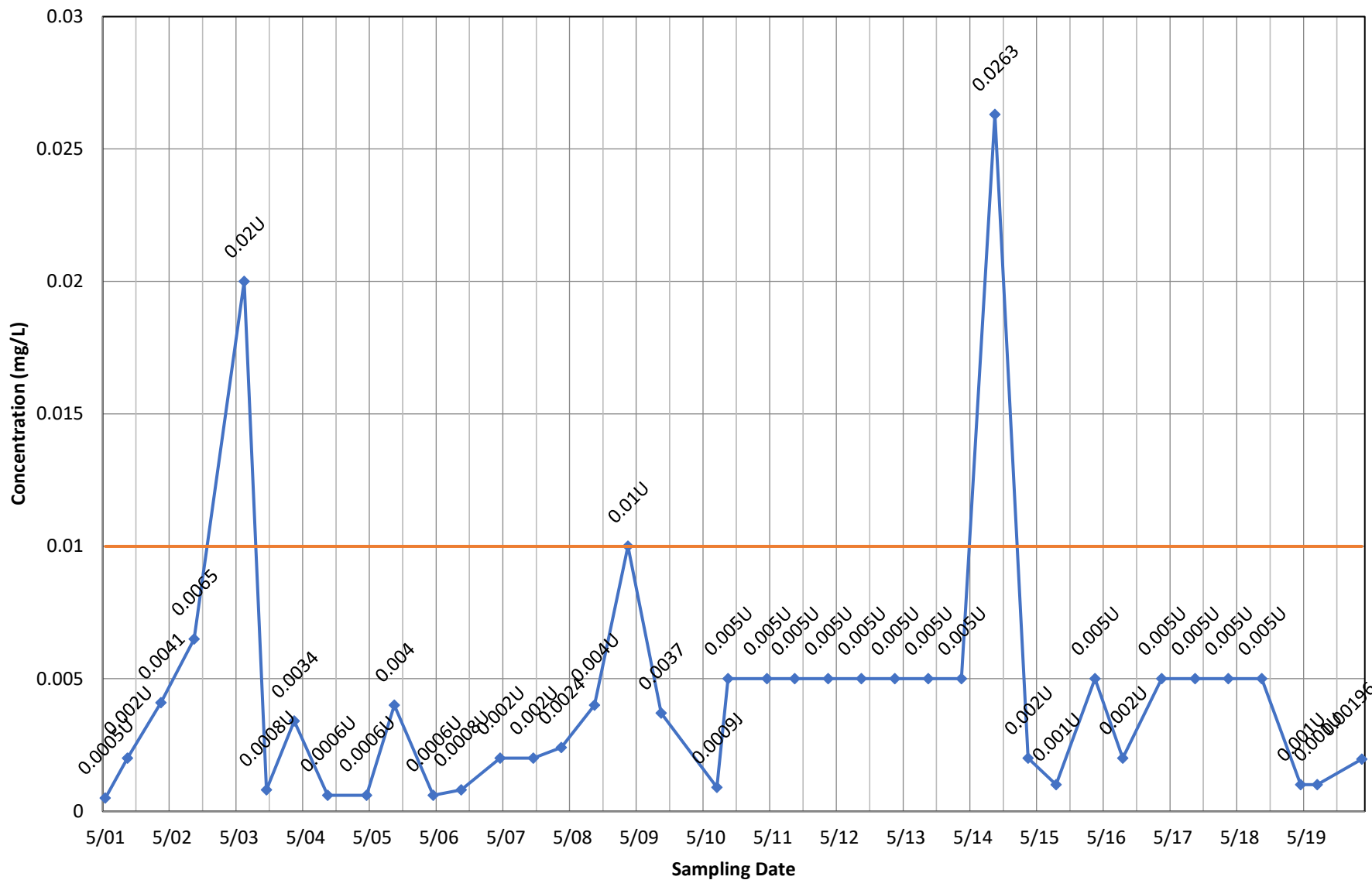


Monitoring Well OB025 - Antimony, total



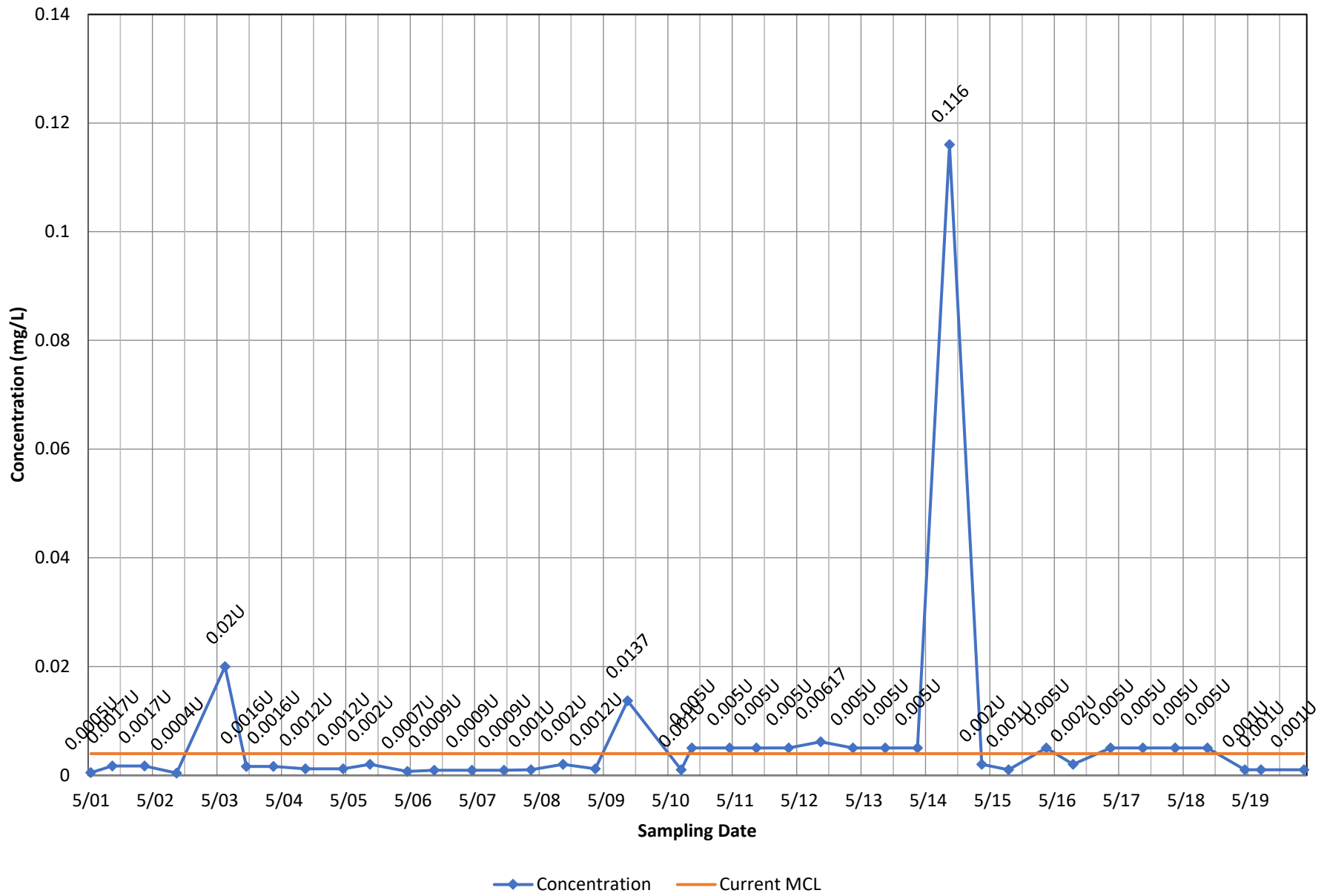
◆ Concentration — Current MCL

Monitoring Well OB025 - Arsenic, total

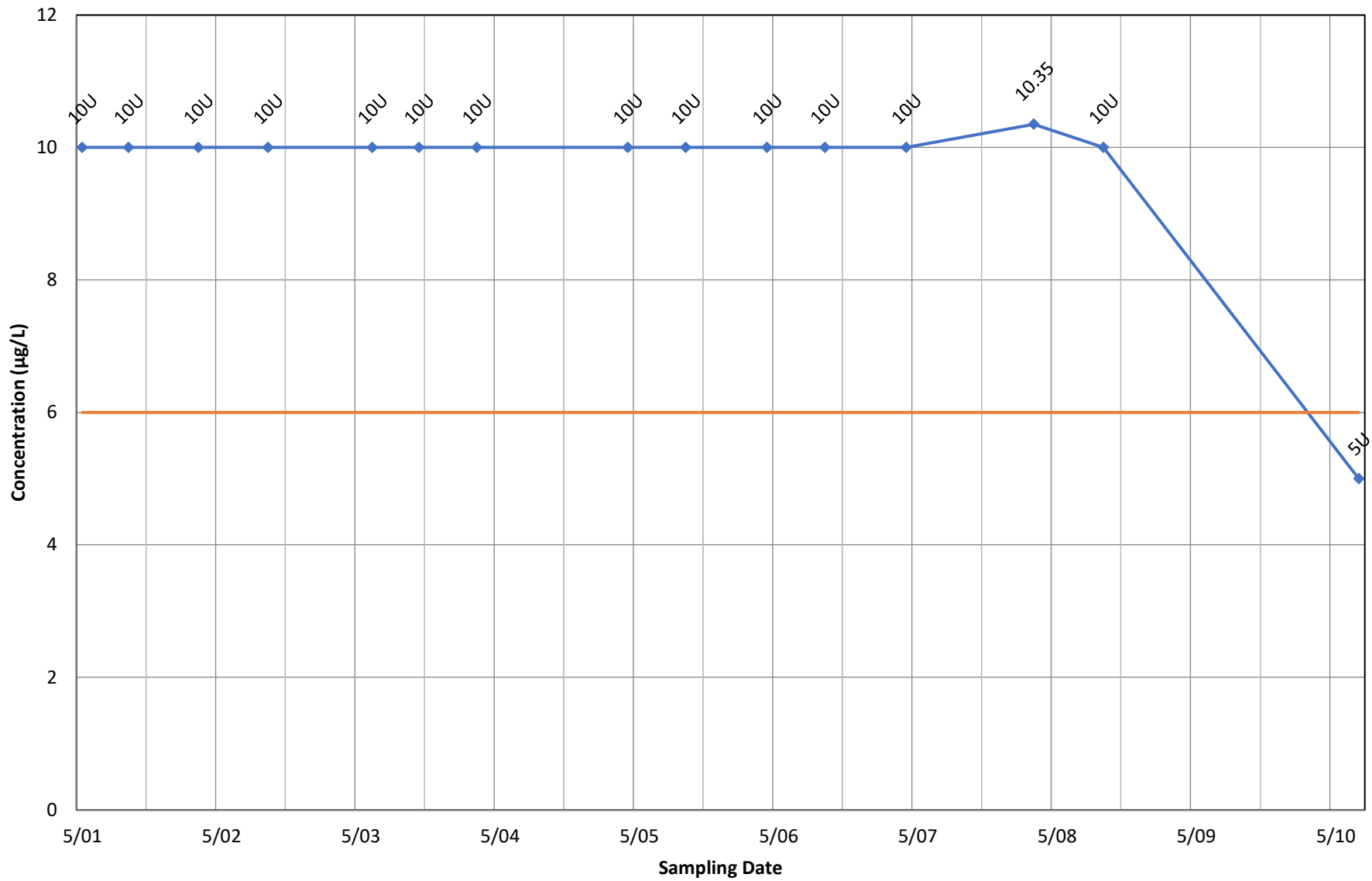


◆ Concentration — Current MCL

Monitoring Well OB025 - Beryllium, total

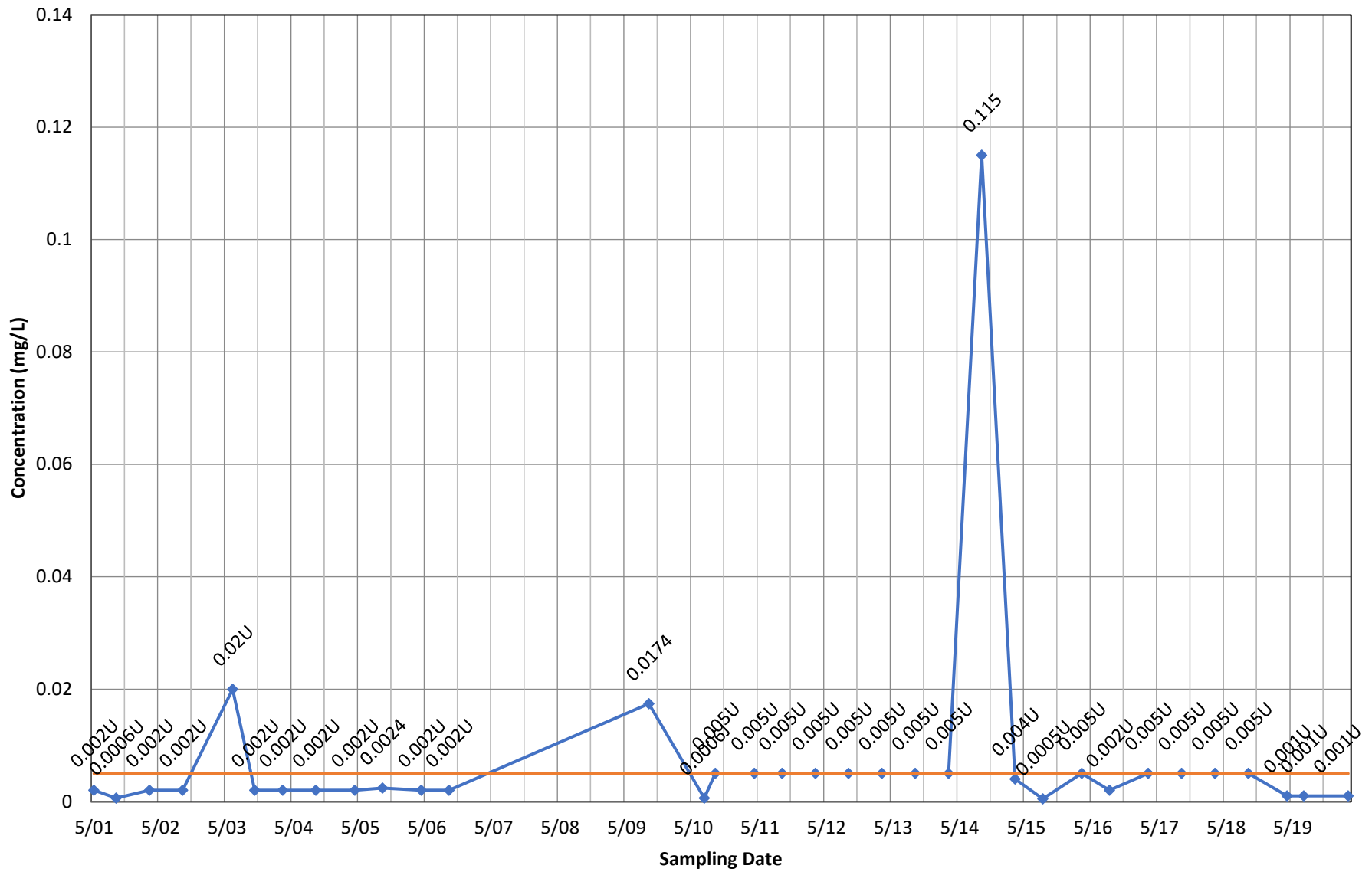


Monitoring Well OB025 - Bis(2-Ethylhexyl) Phthalate



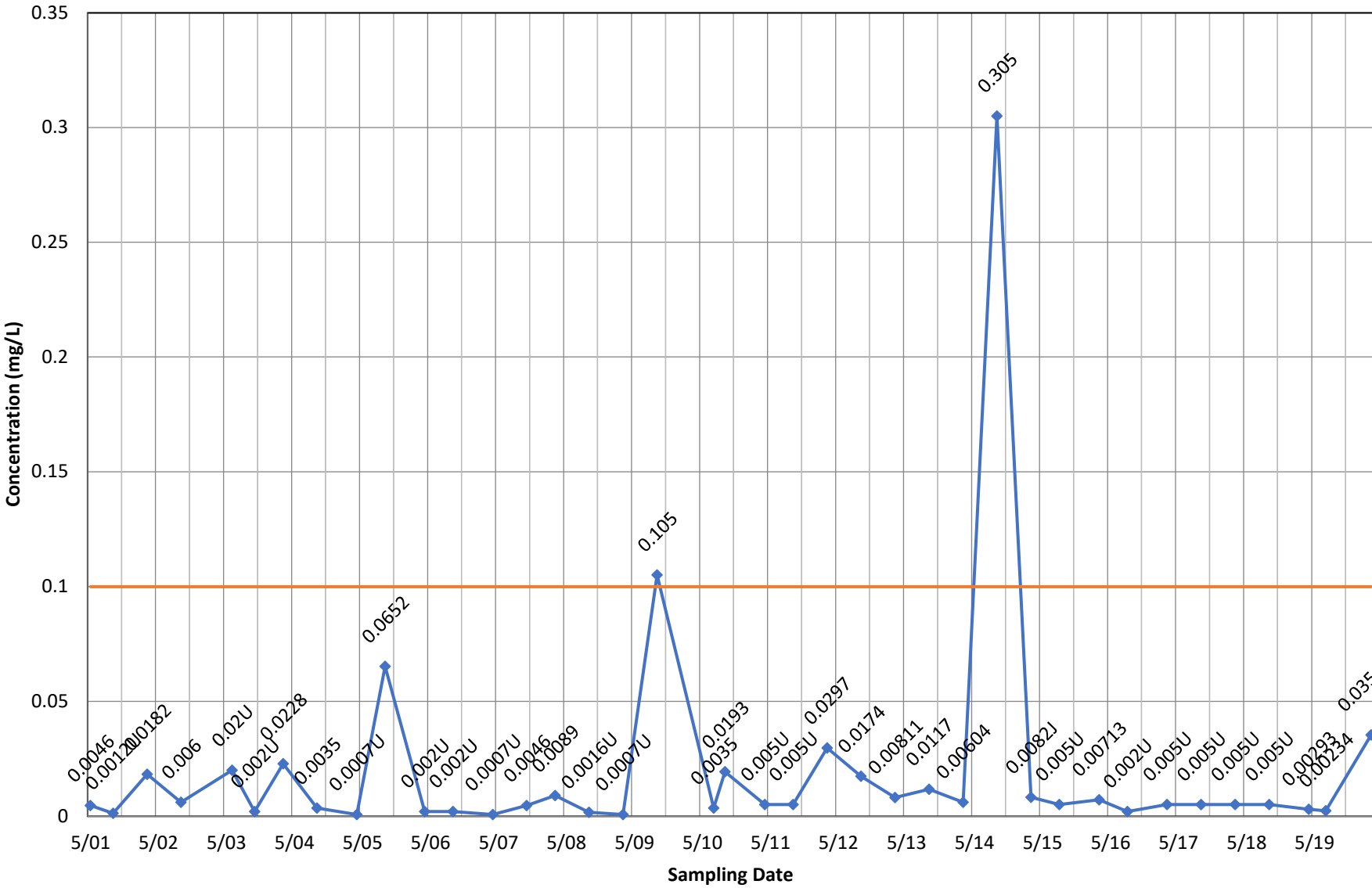
◆ Concentration — Current MCL

Monitoring Well OB025 - Cadmium, total



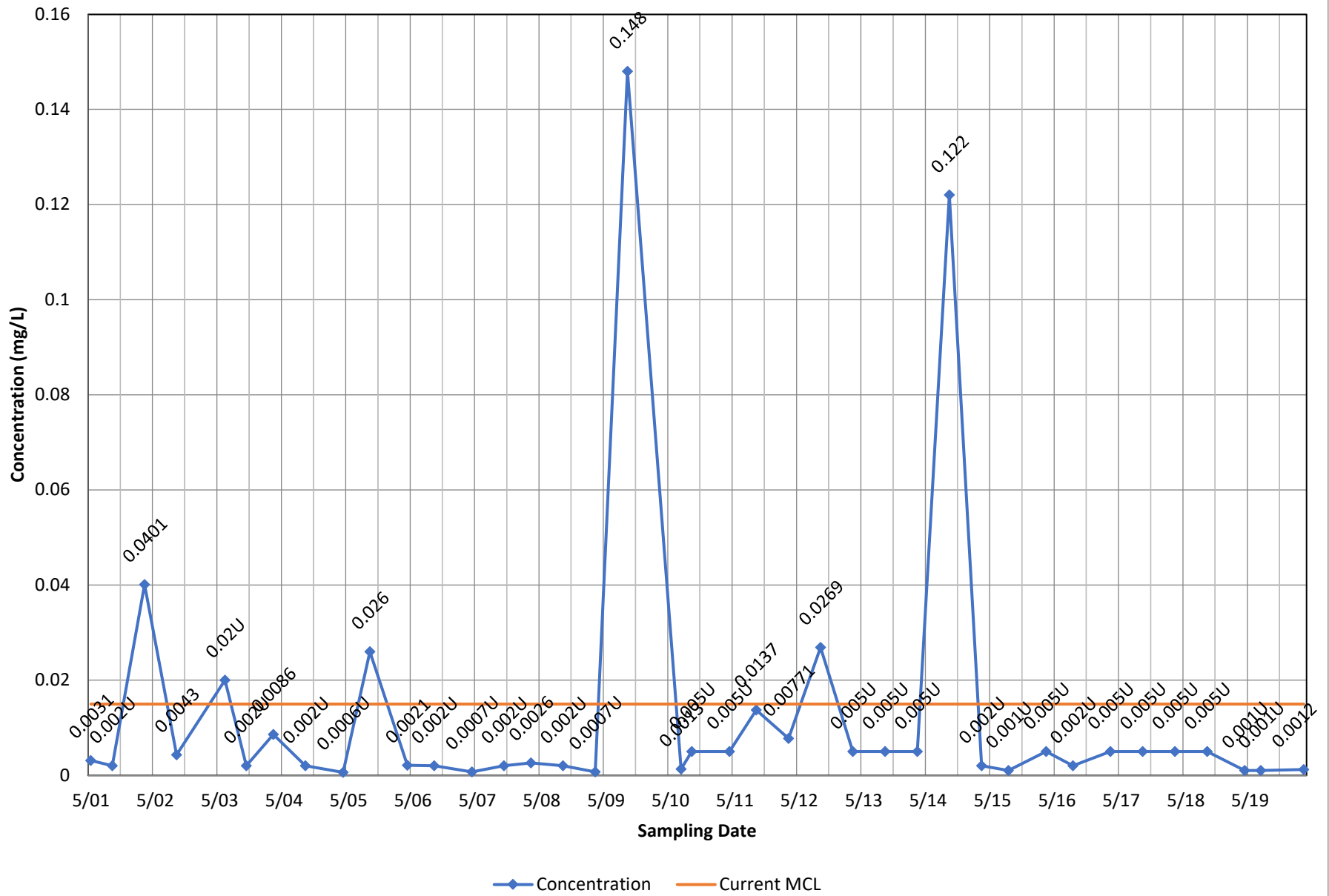
◆ Concentration — Current MCL

Monitoring Well OB025 - Chromium, total

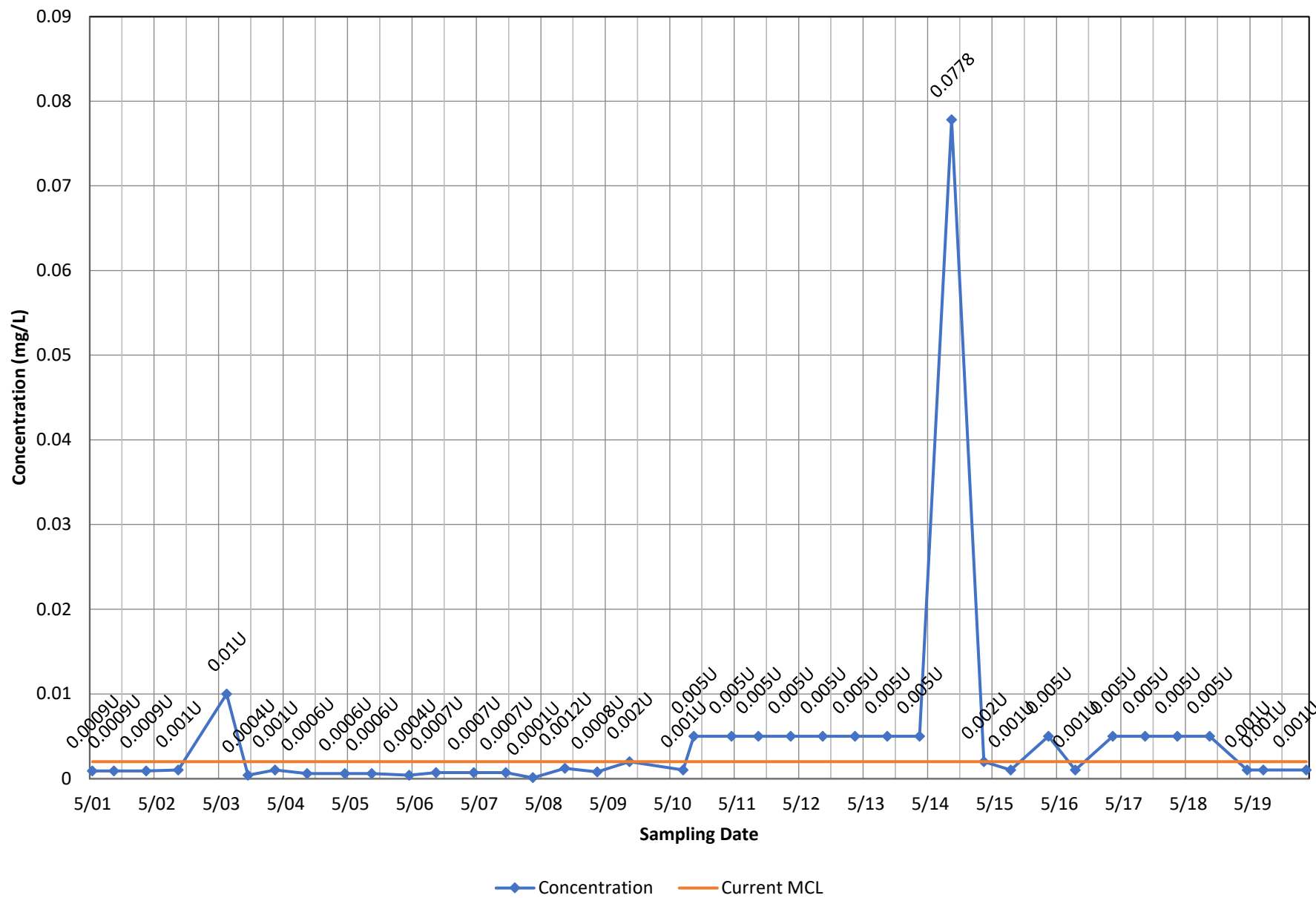


—◆— Concentration — Current MCL

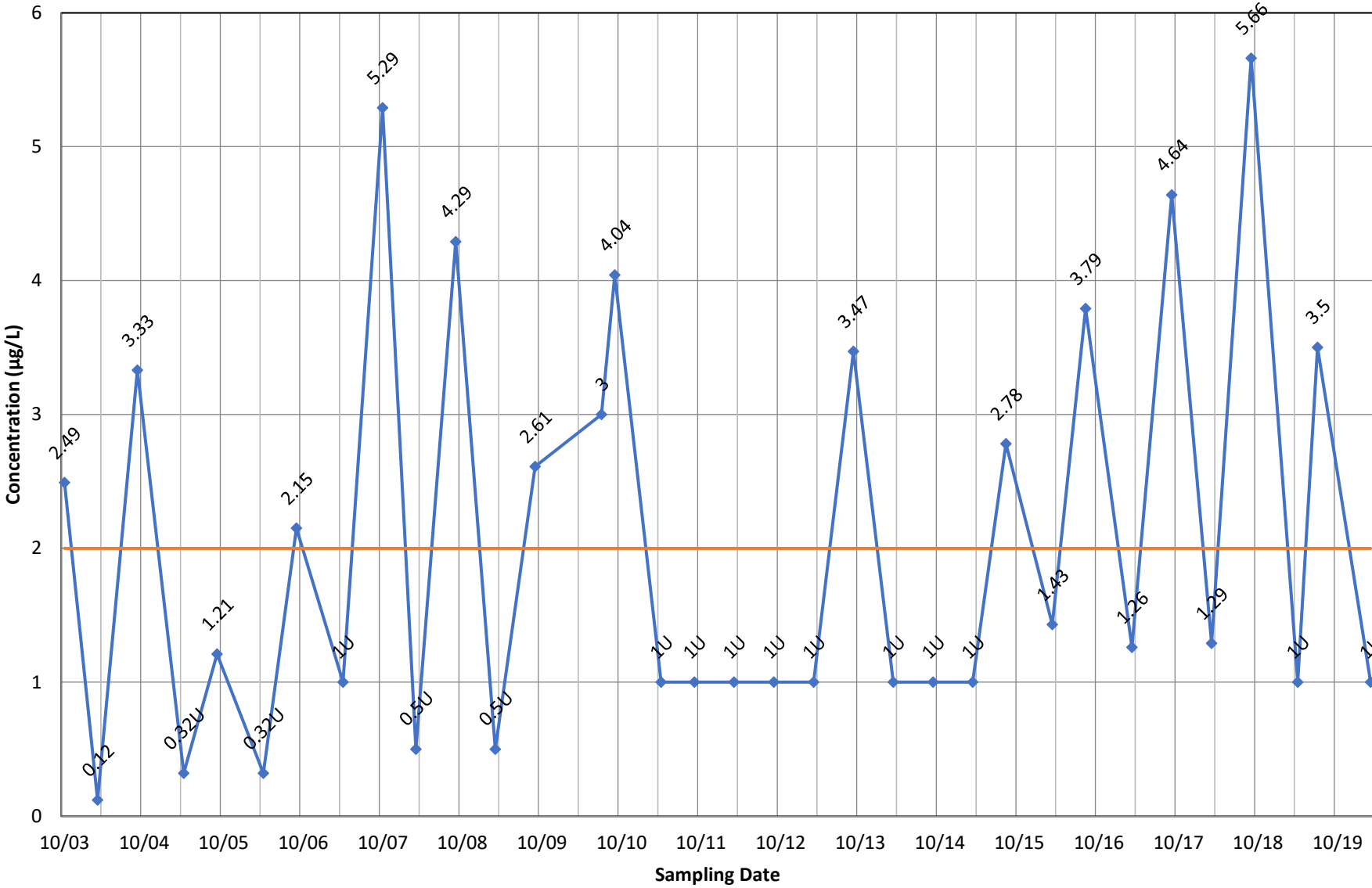
Monitoring Well OB025 - Lead, total



Monitoring Well OB025 - Thallium, total

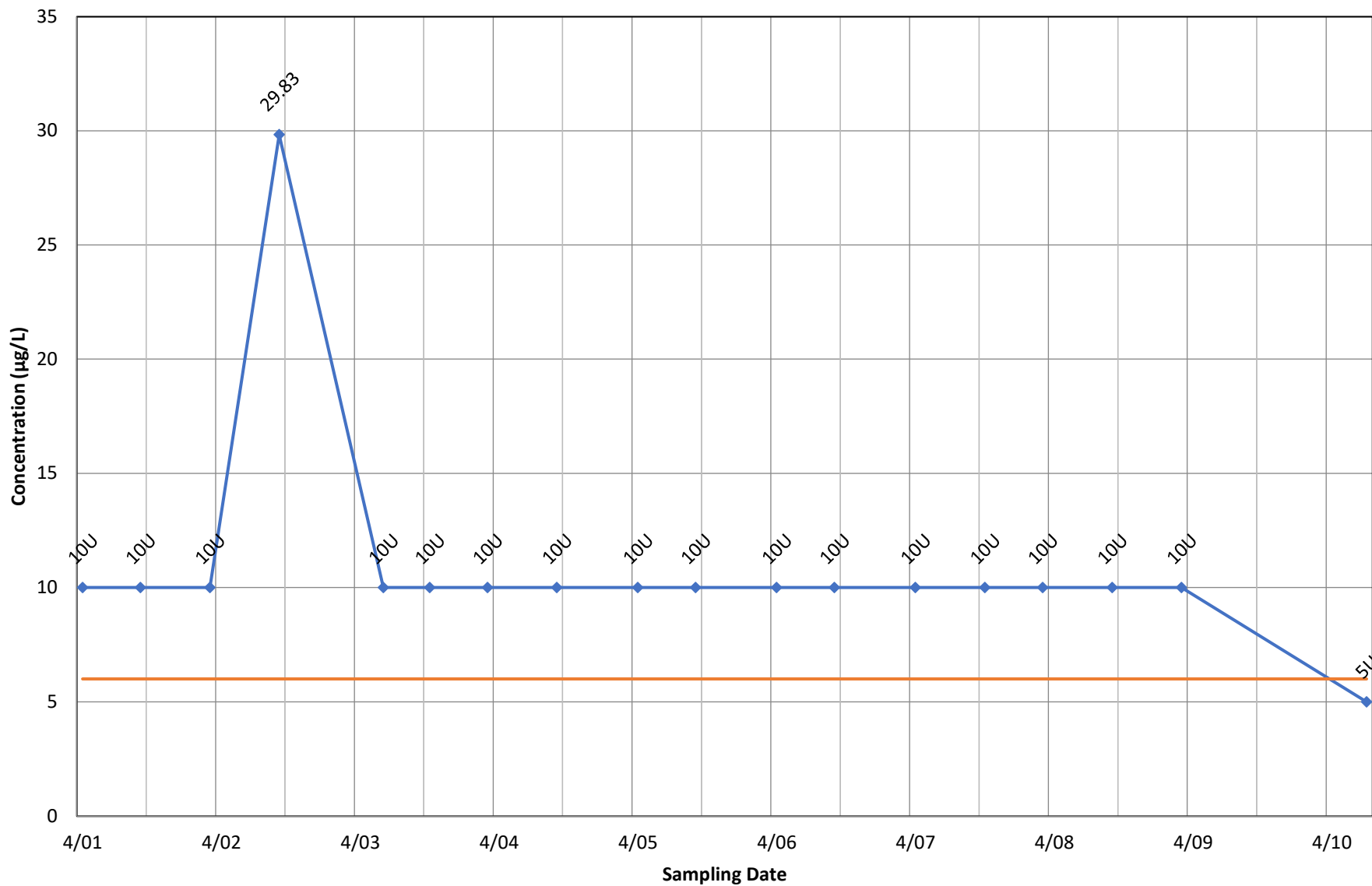


Monitoring Well OB025 - Vinyl Chloride



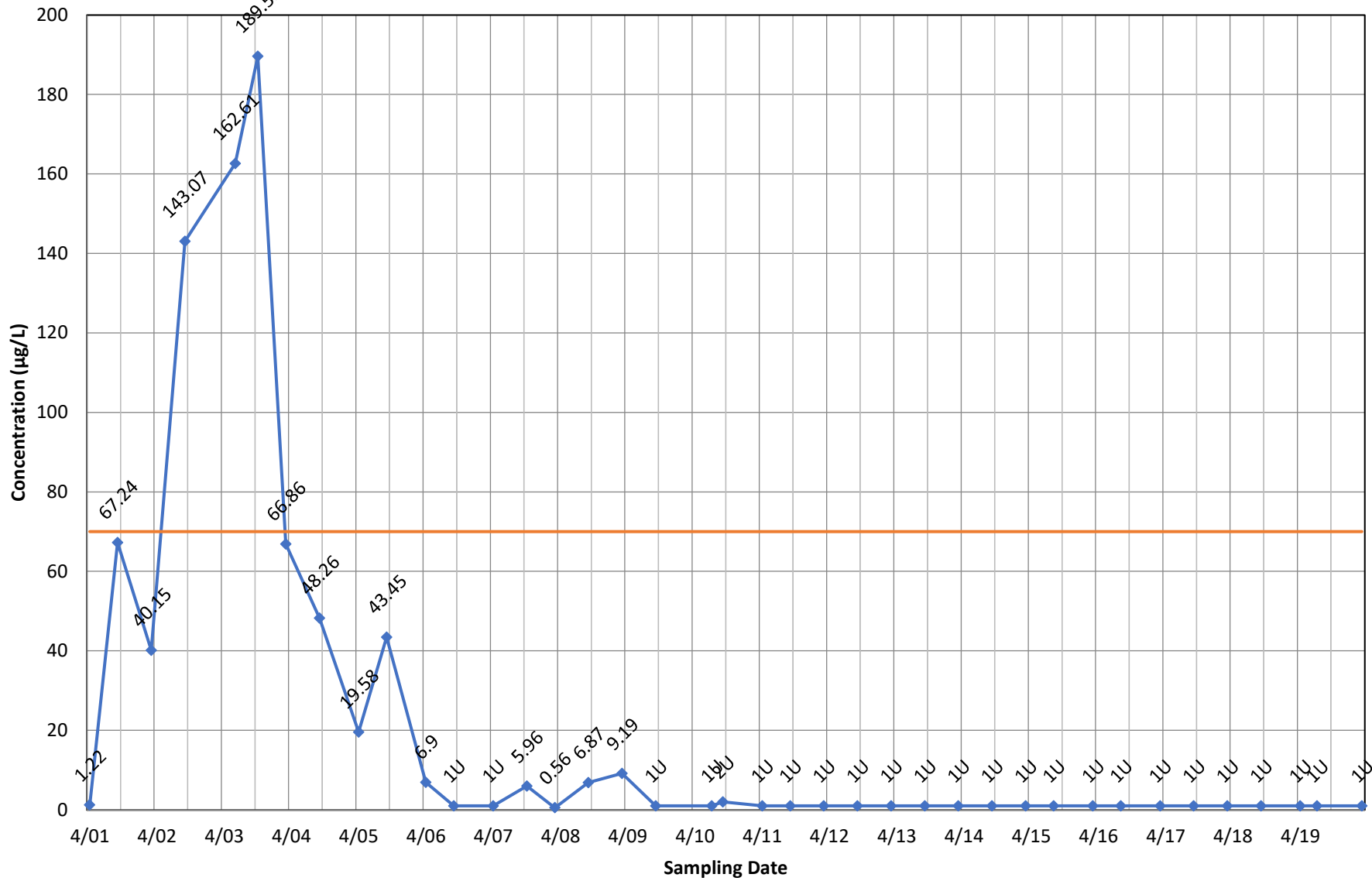
◆ Concentration — Current MCL

Monitoring Well OB02A - Bis(2-Ethylhexyl) Phthalate



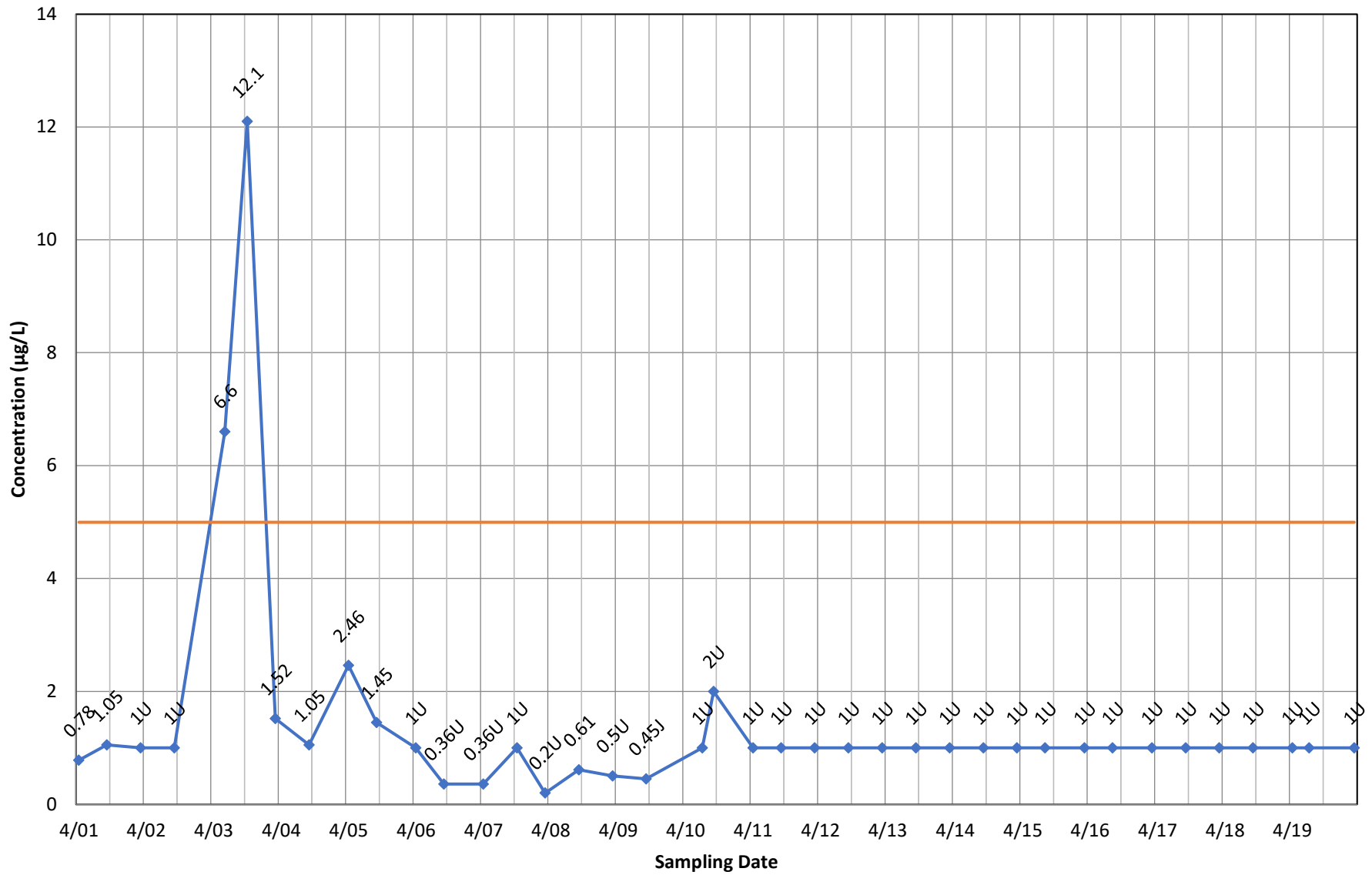
◆ Concentration — Current MCL

Monitoring Well OB02A - cis-1,2-Dichloroethene



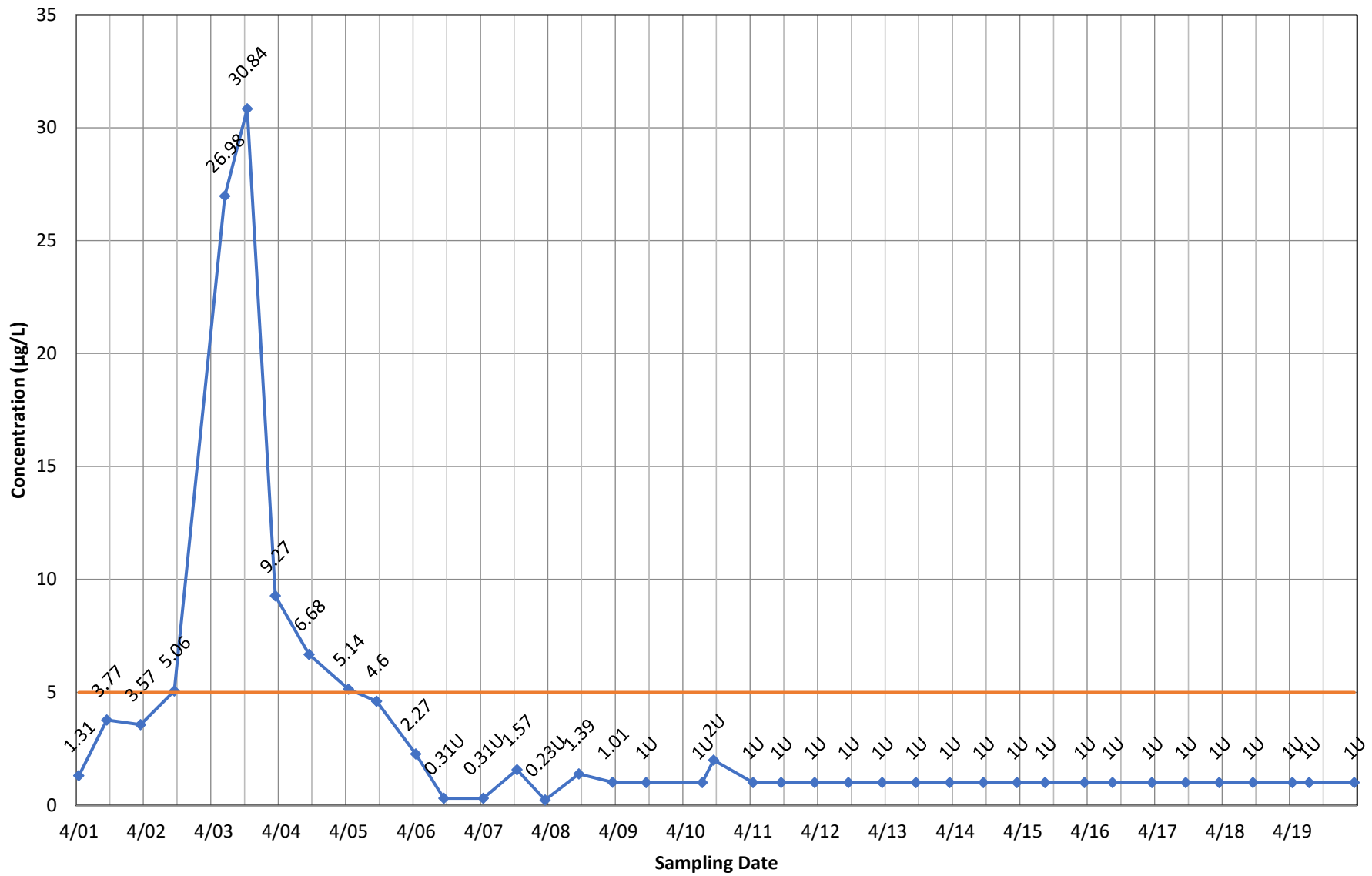
◆ Concentration — Current MCL

Monitoring Well OB02A - Tetrachloroethene



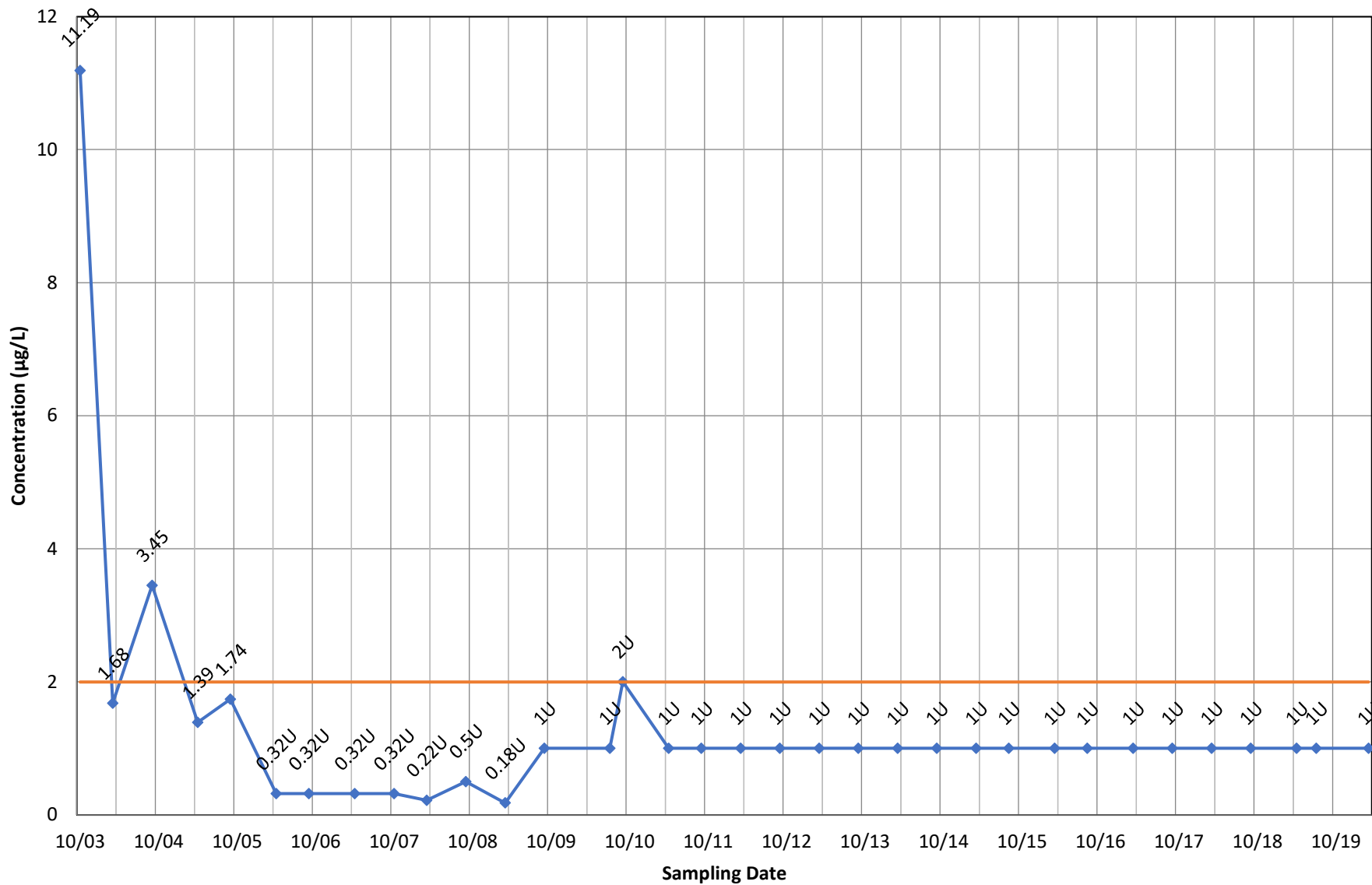
◆ Concentration — Current MCL

Monitoring Well OB02A - Trichloroethene



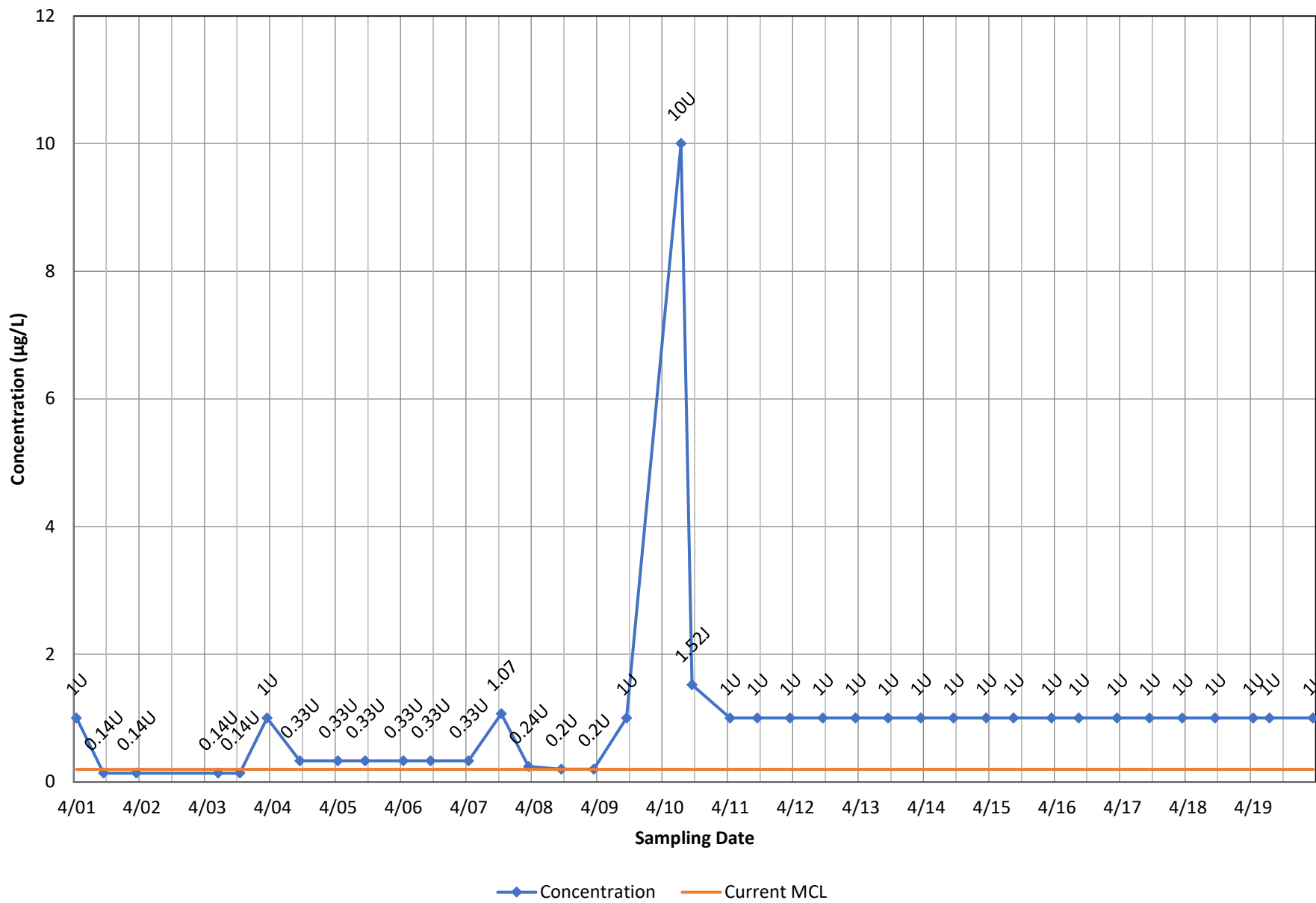
◆ Concentration — Current MCL

Monitoring Well OB02A - Vinyl Chloride

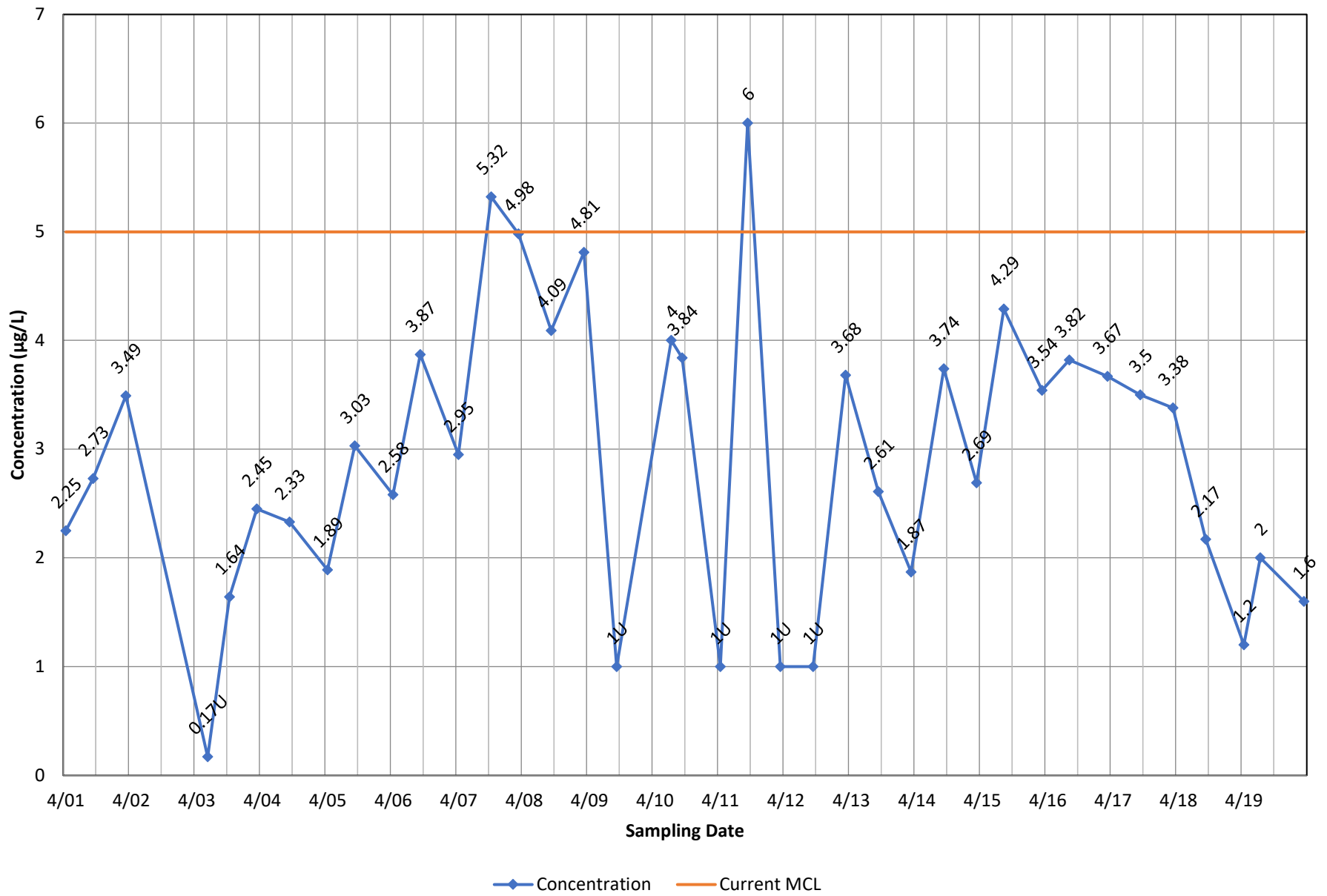


◆ Concentration — Current MCL

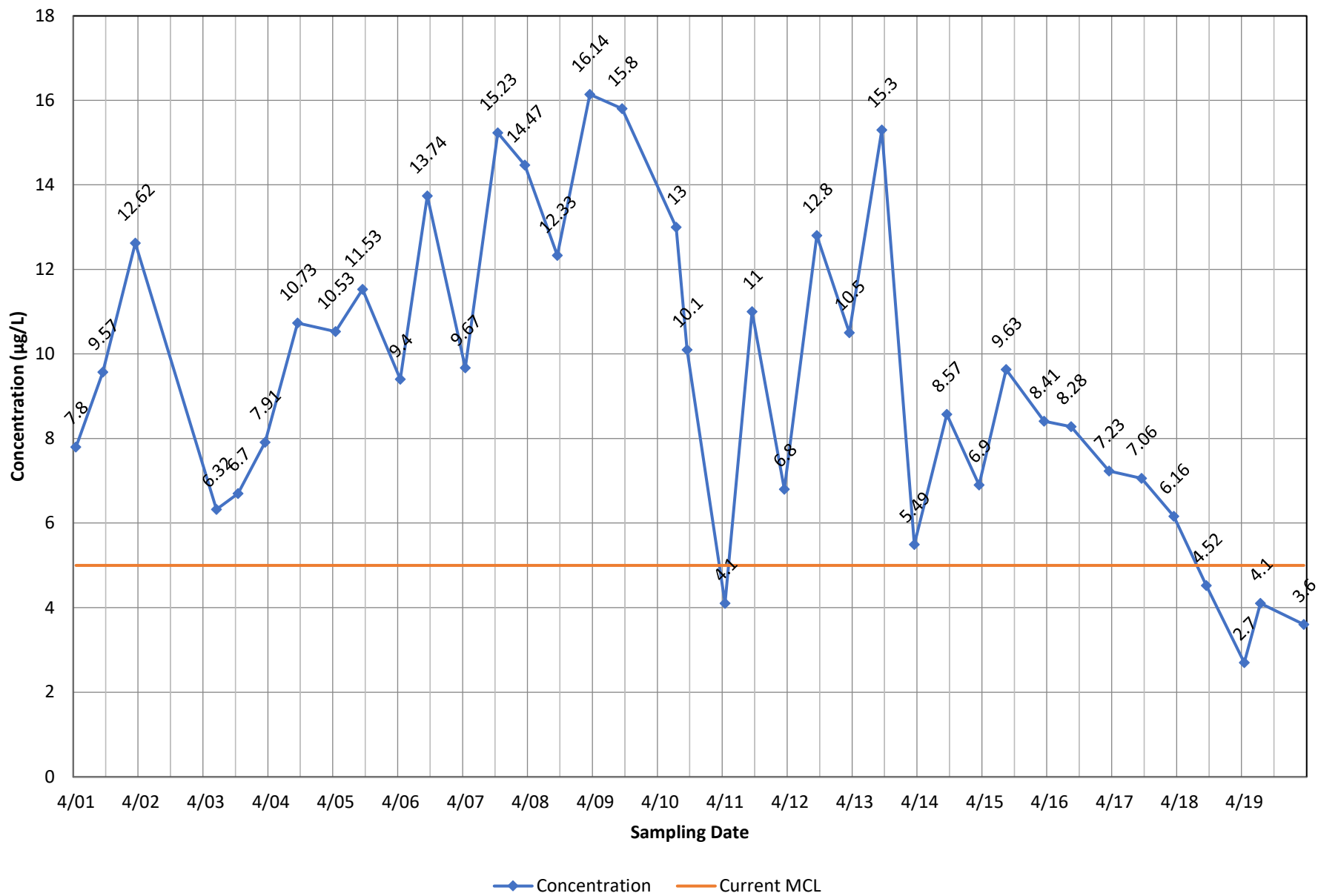
Monitoring Well OB03 - 1,2-Dibromo-3-chloropropane



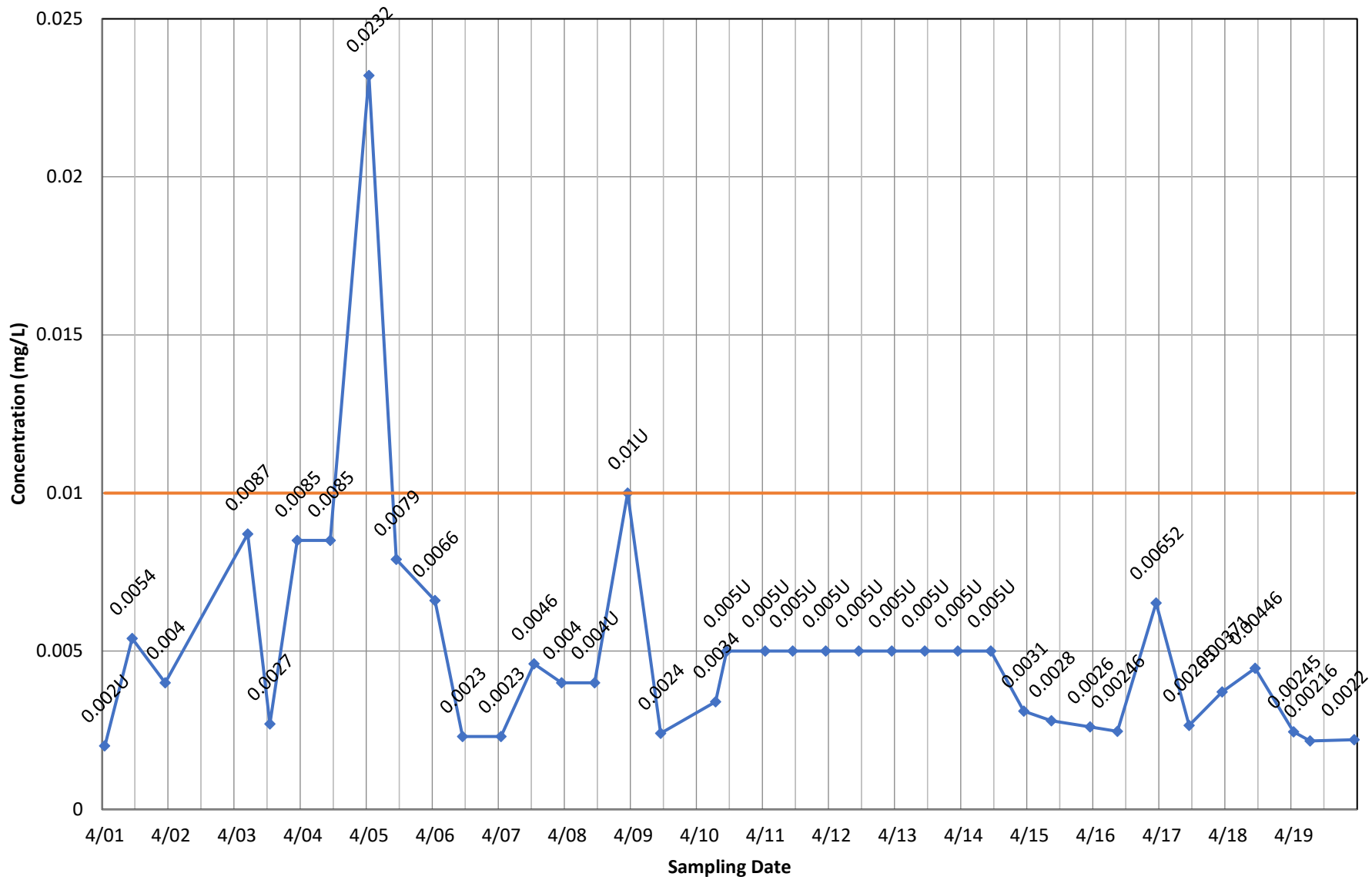
Monitoring Well OB03 - 1,2-Dichloroethane



Monitoring Well OB03 - 1,2-Dichloropropane

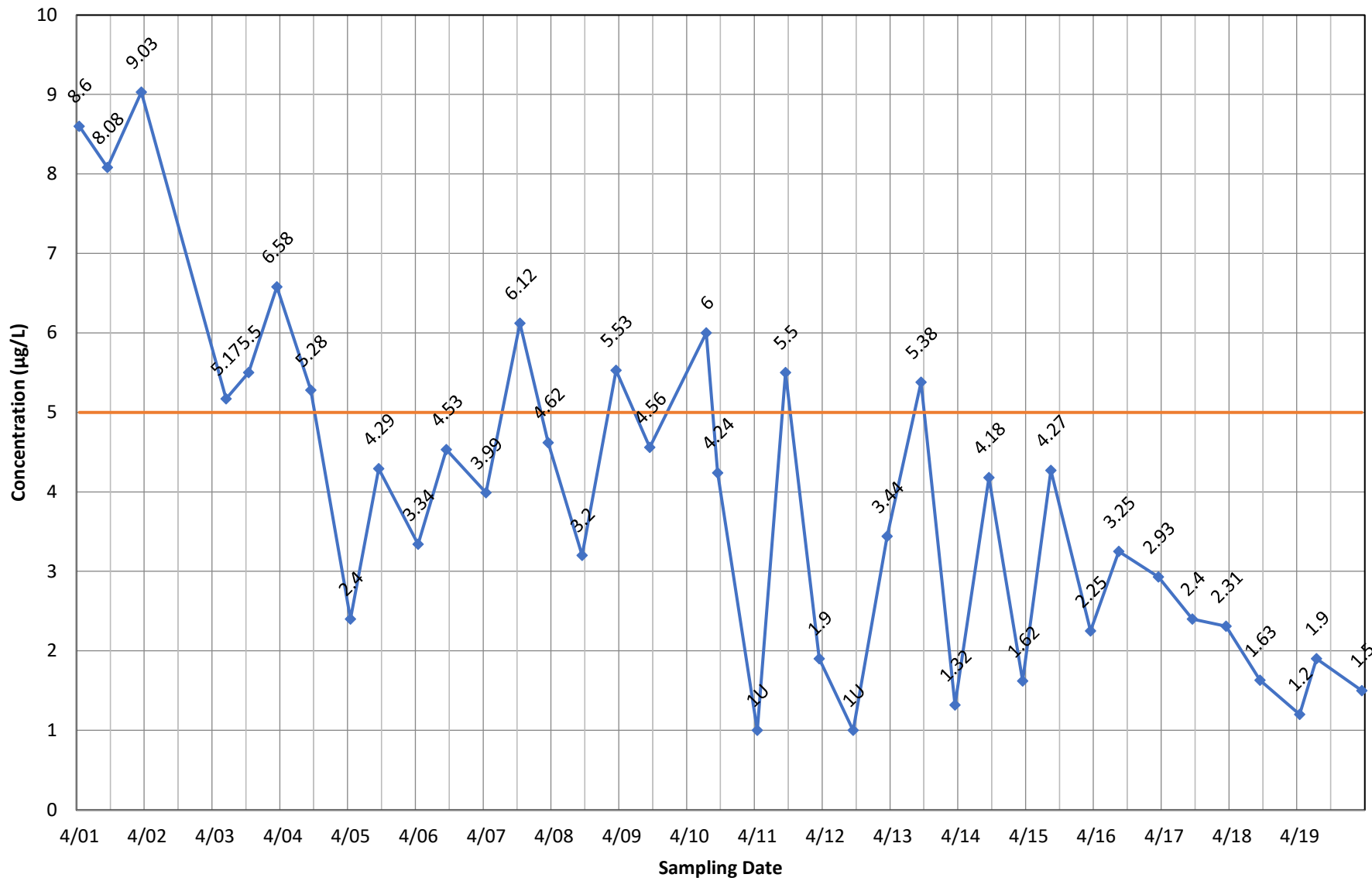


Monitoring Well OB03 - Arsenic, total



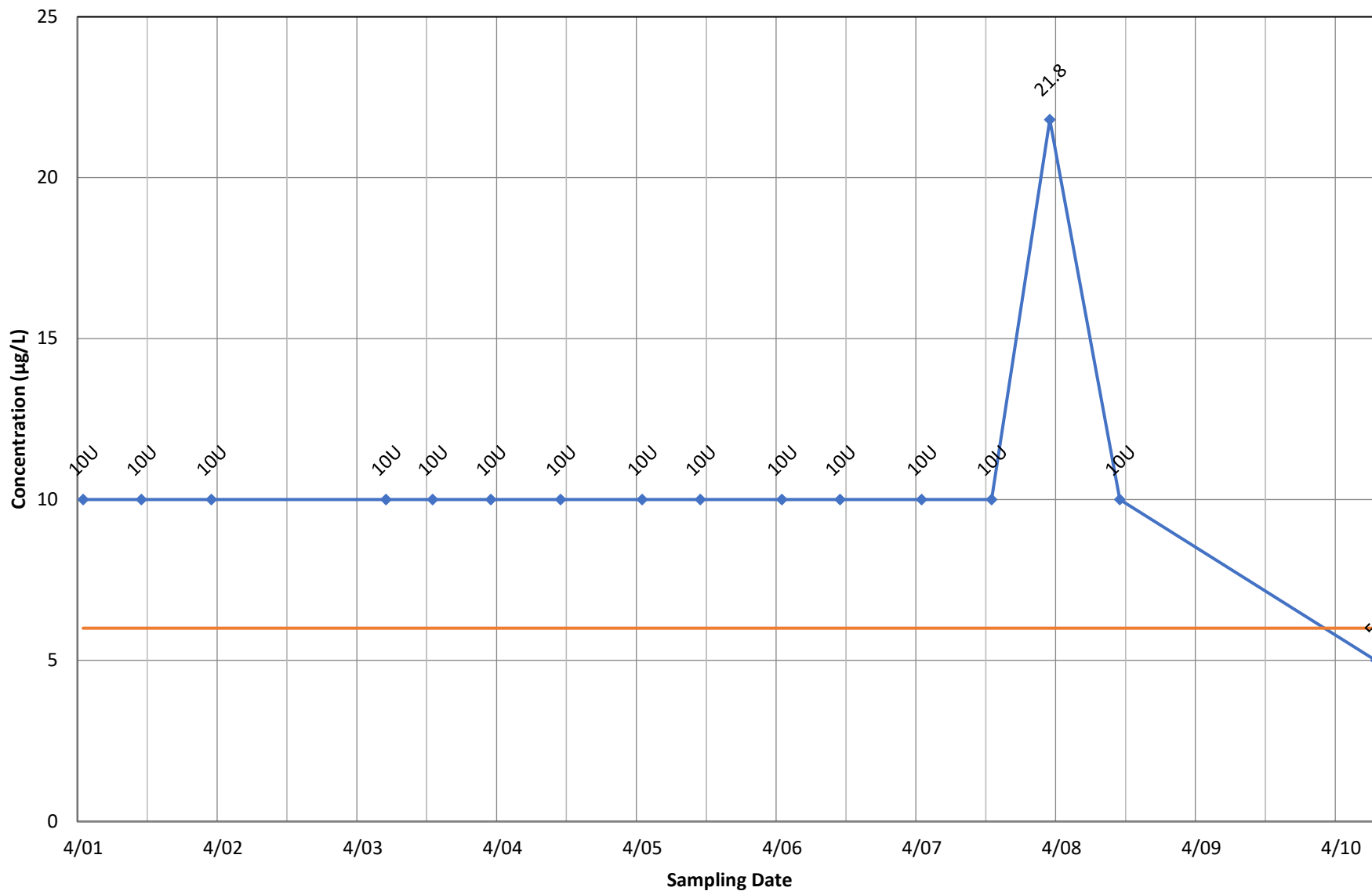
◆ Concentration — Current MCL

Monitoring Well OB03 - Benzene



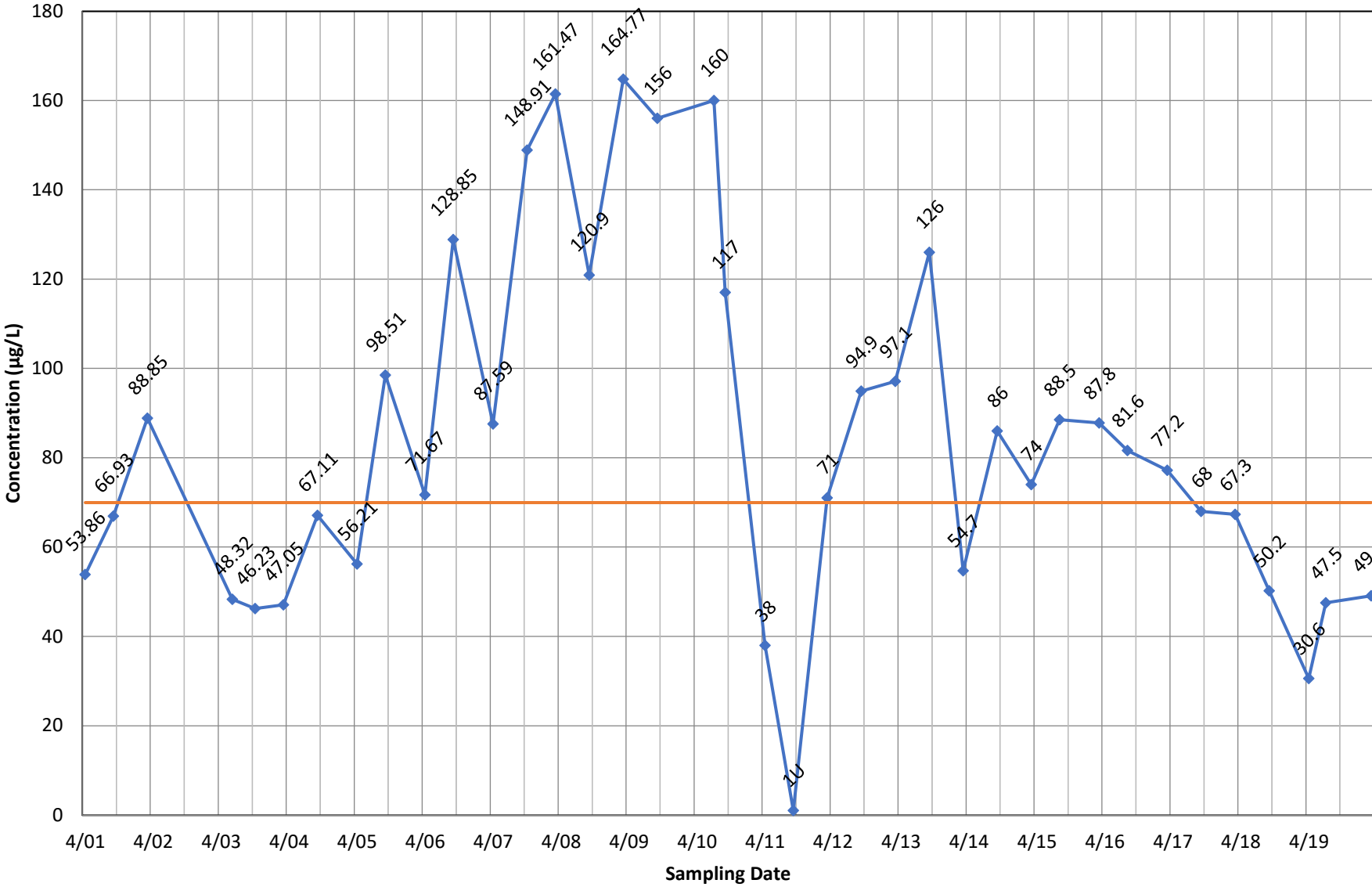
◆ Concentration — Current MCL

Monitoring Well OB03 - Bis(2-Ethylhexyl) Phthalate



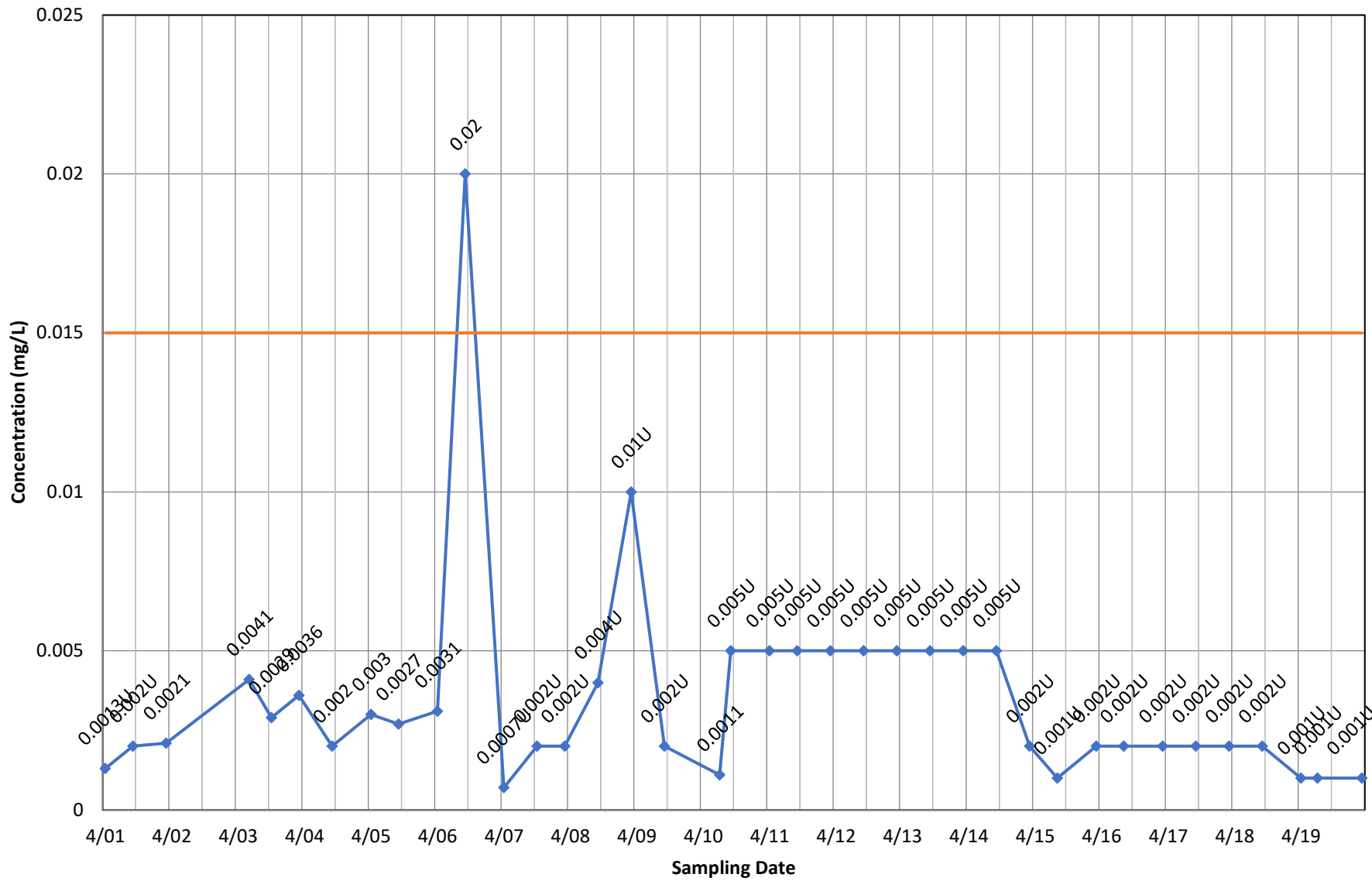
◆ Concentration — Current MCL

Monitoring Well OB03 - cis-1,2-Dichloroethene



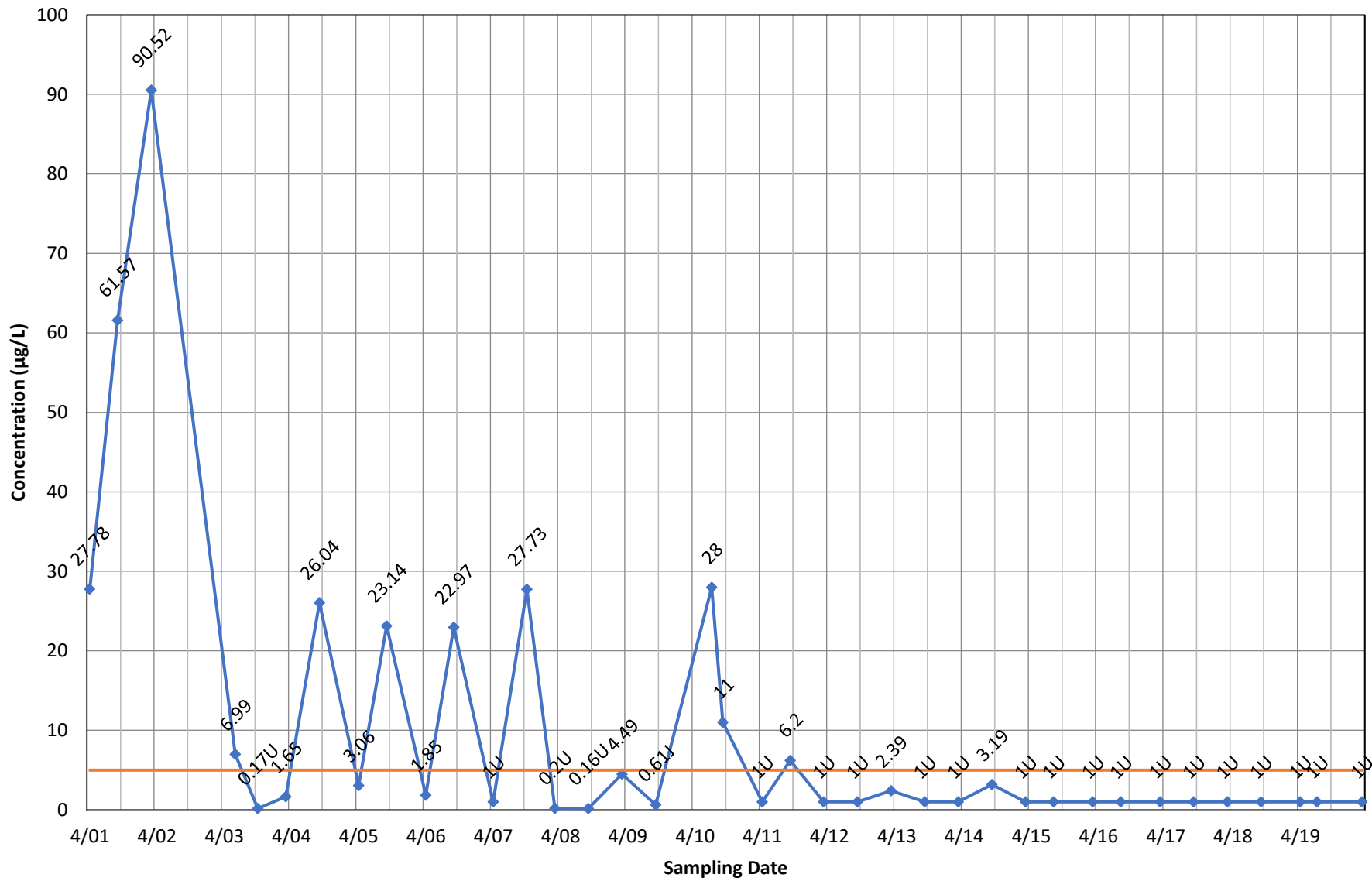
◆ Concentration — Current MCL

Monitoring Well OB03 - Lead, total



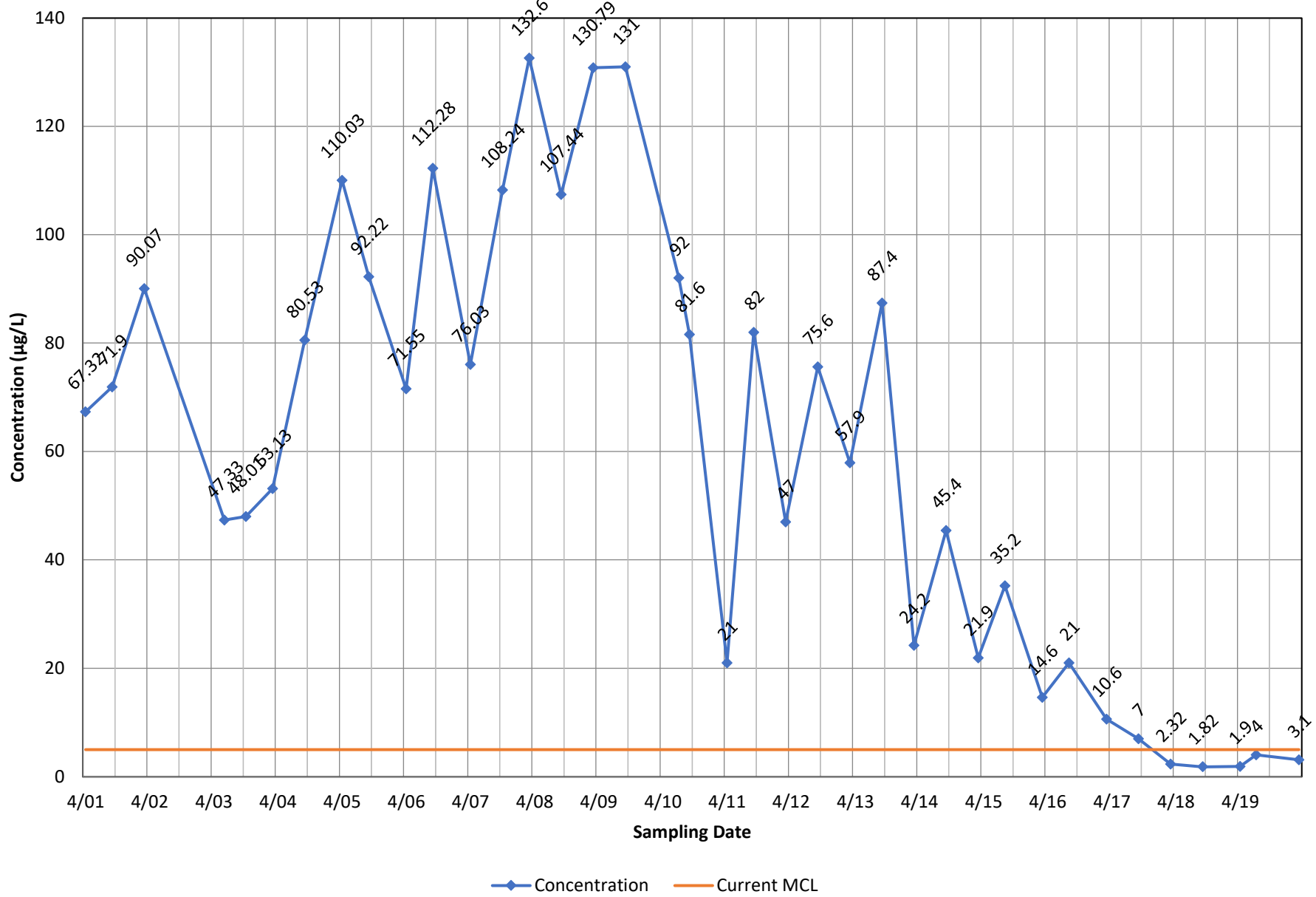
◆ Concentration — Current MCL

Monitoring Well OB03 - Tetrachloroethene

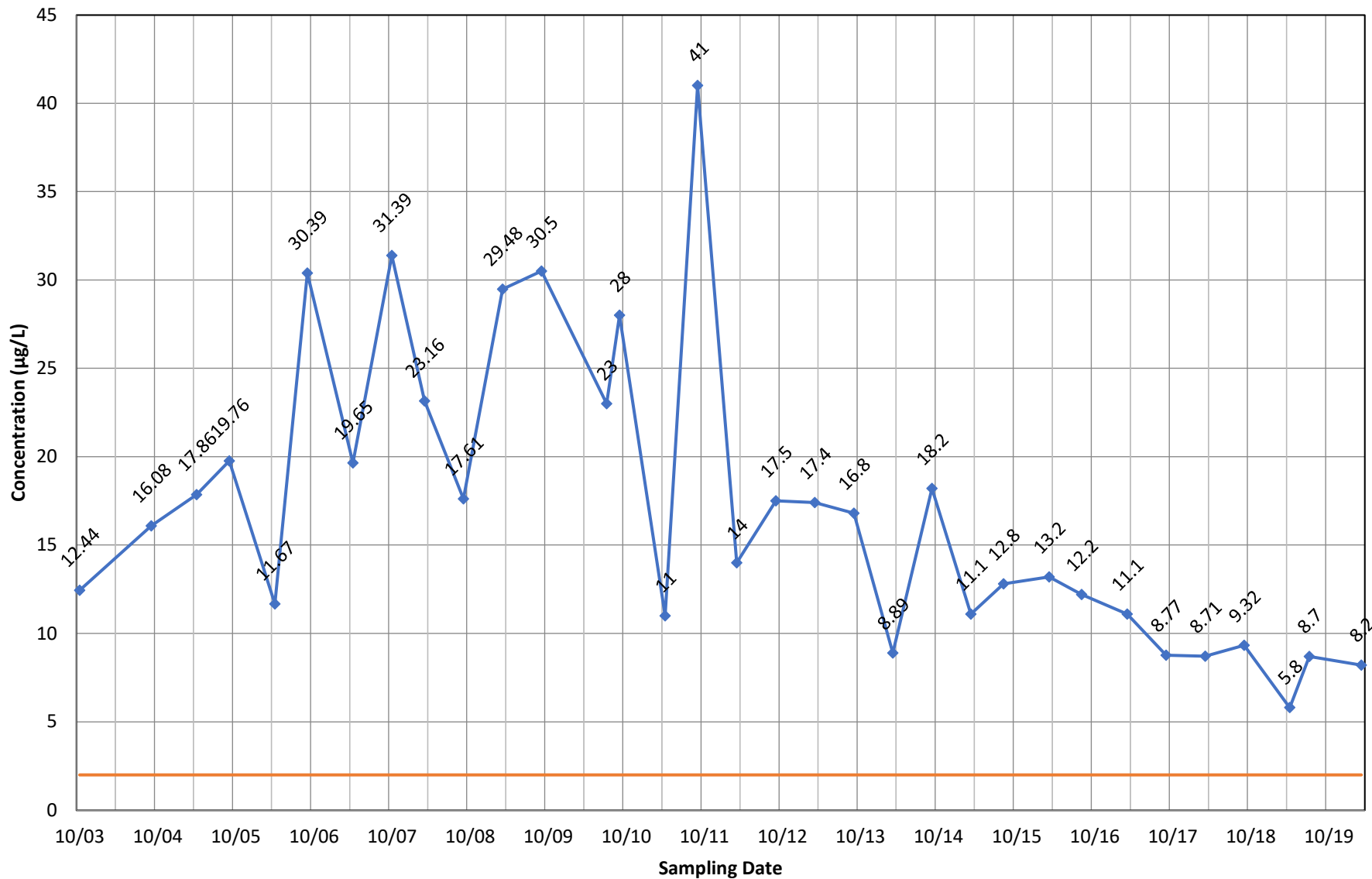


◆ Concentration — Current MCL

Monitoring Well OB3 - Trichloroethene

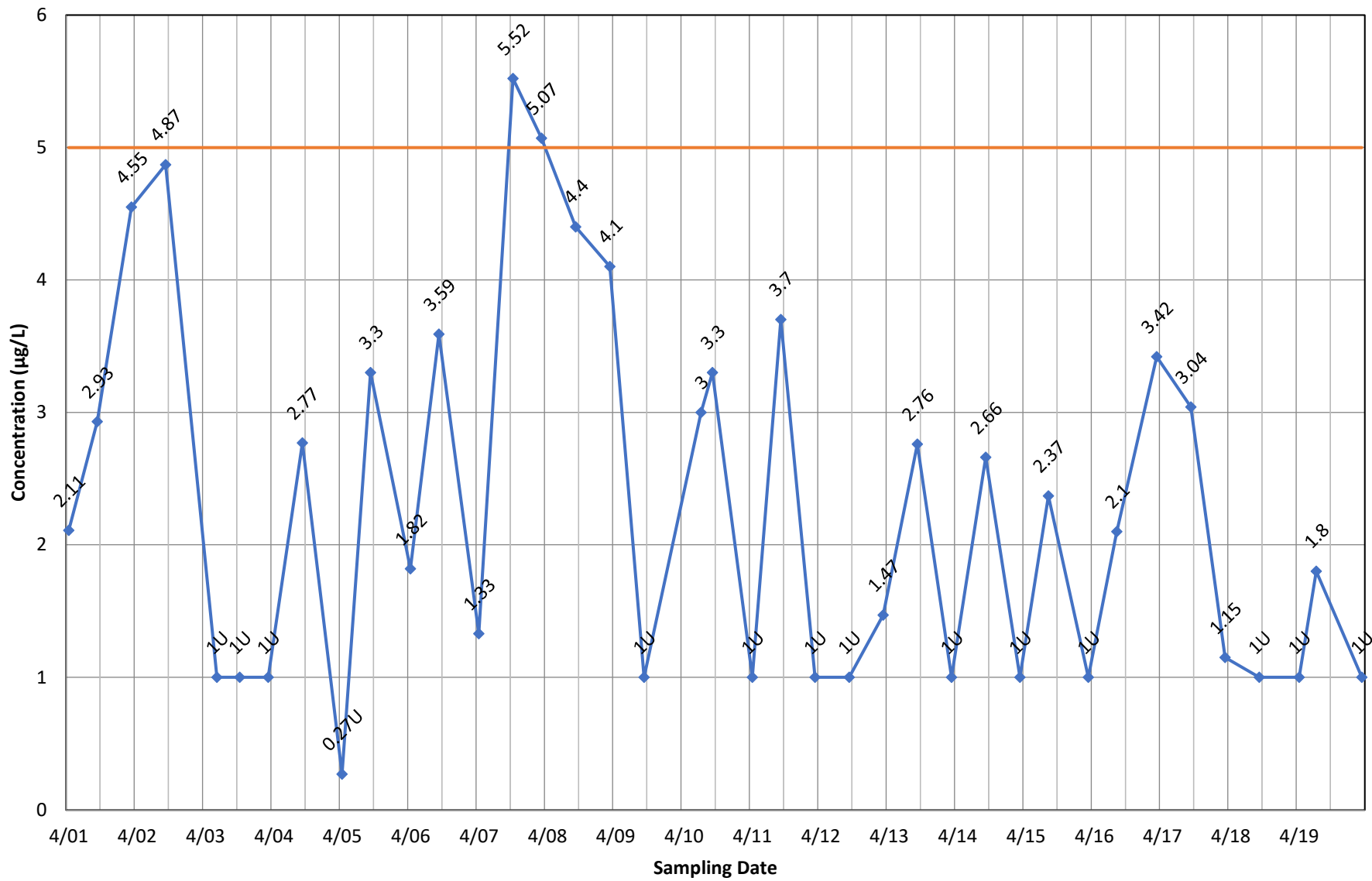


Monitoring Well OB03 - Vinyl Chloride



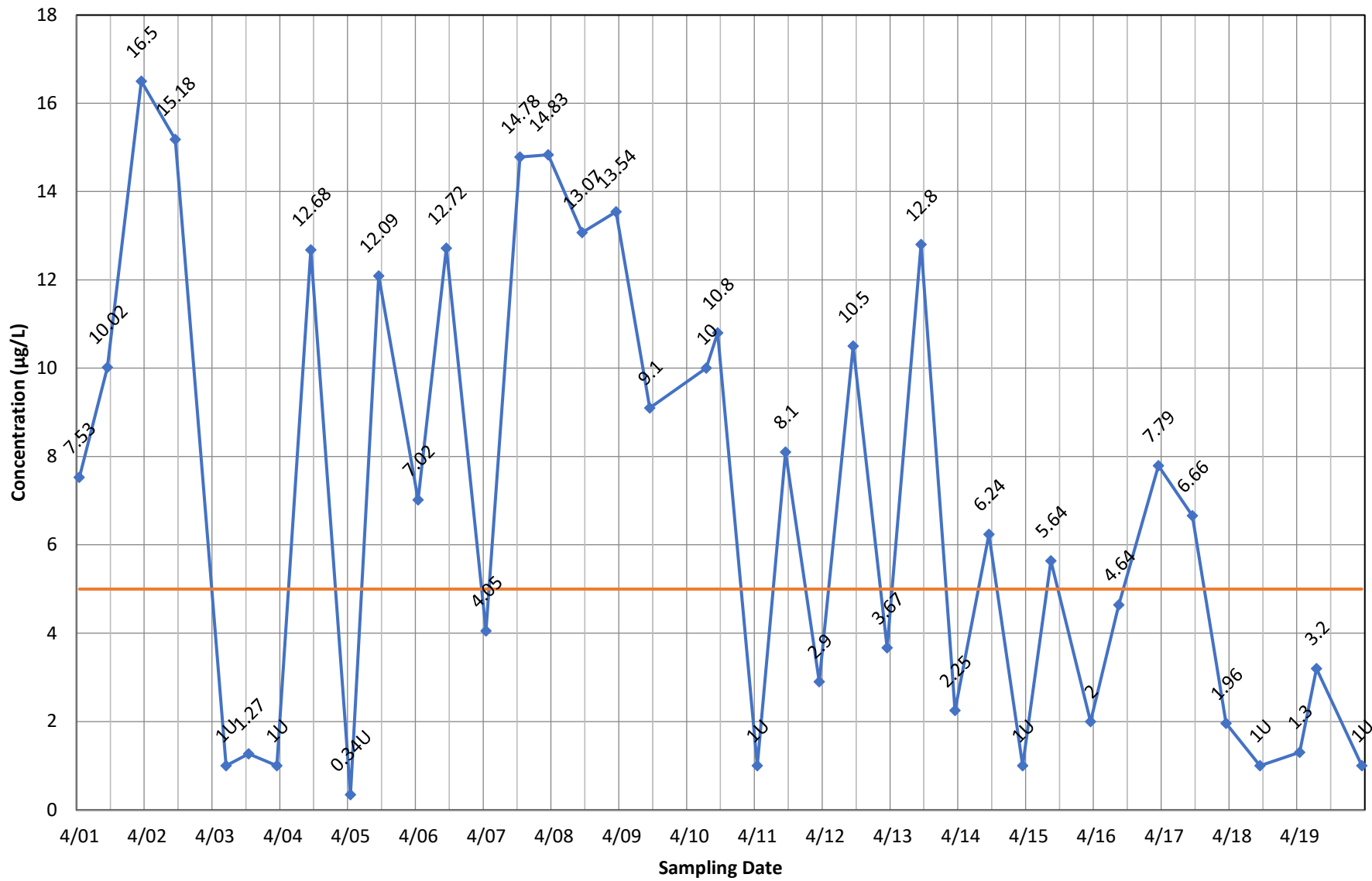
◆ Concentration — Current MCL

Monitoring Well OB03A - 1,2-Dichloroethane



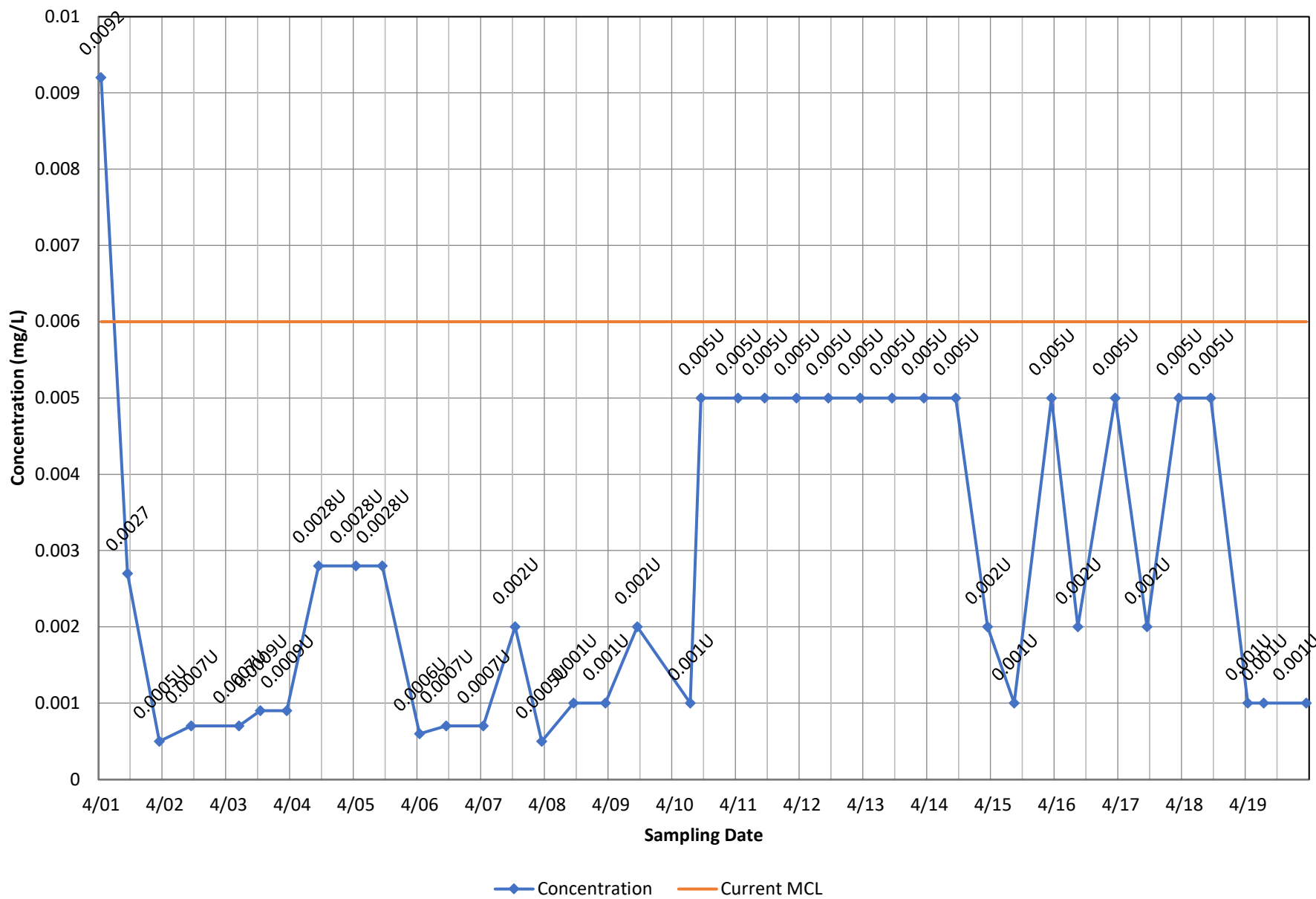
◆ Concentration — Current MCL

Monitoring Well OB03A - 1,2-Dichloropropane

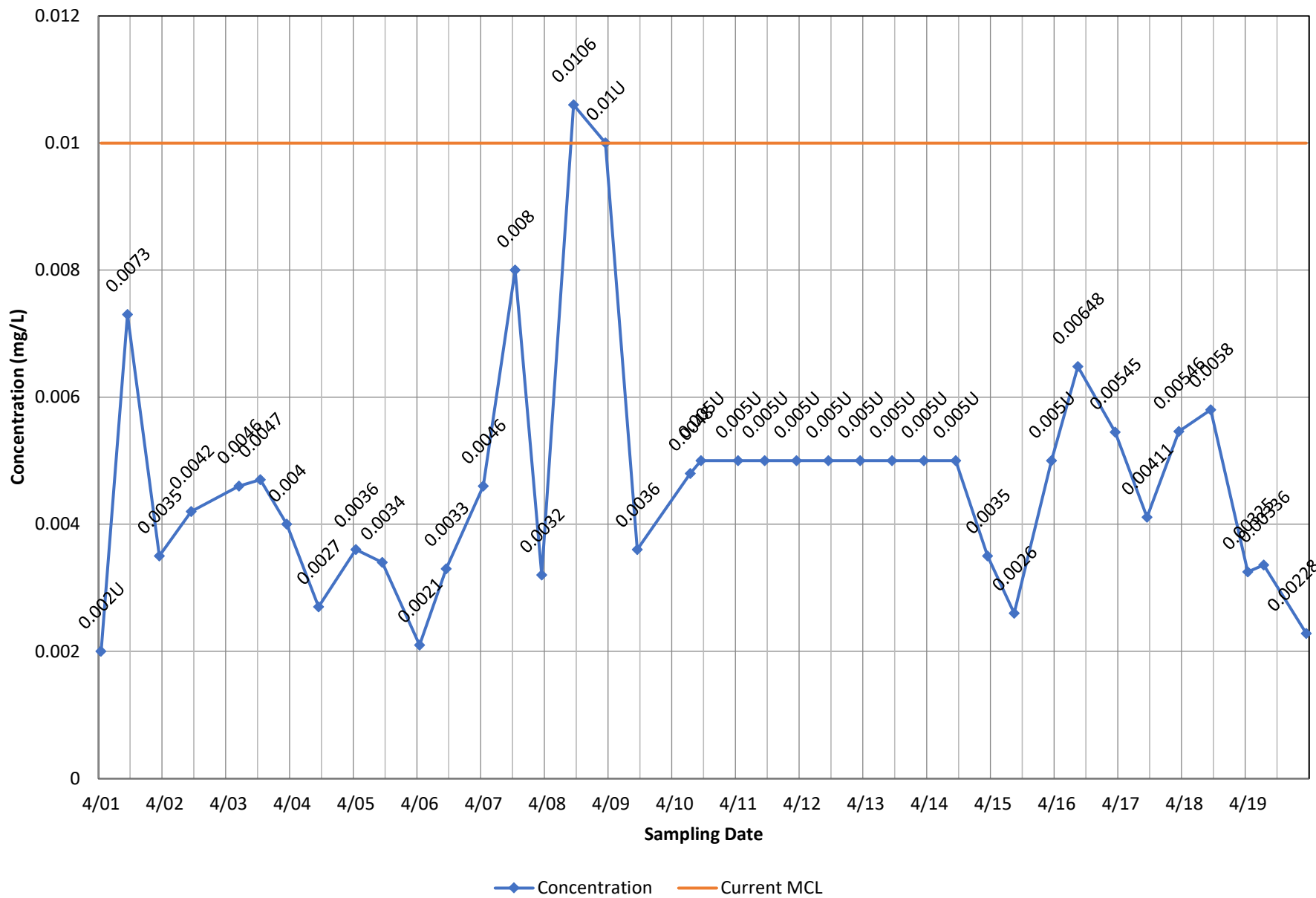


—◆— Concentration — Current MCL

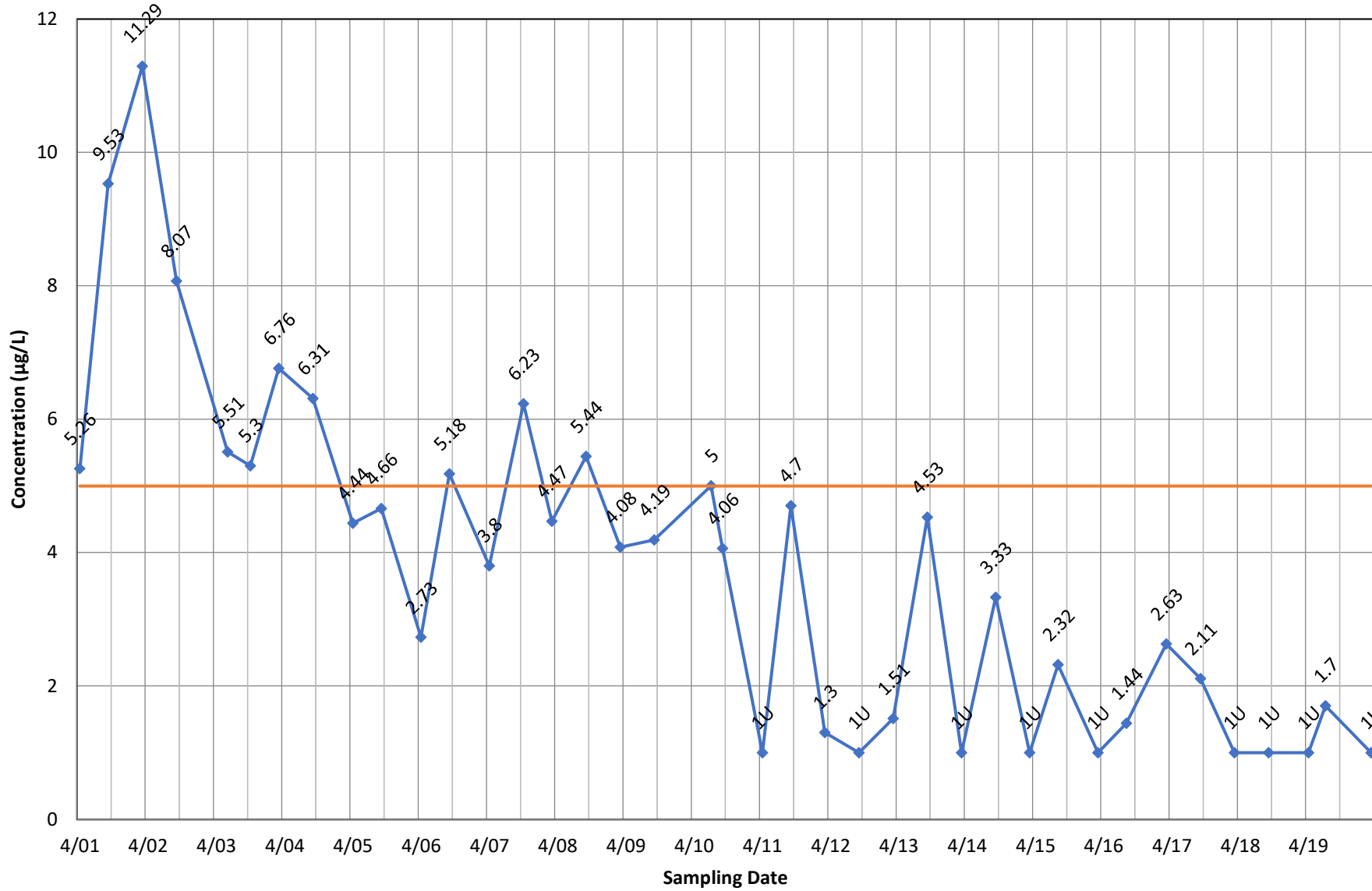
Monitoring Well OB03A - Antimony, total



Monitoring Well OB03A - Arsenic, total

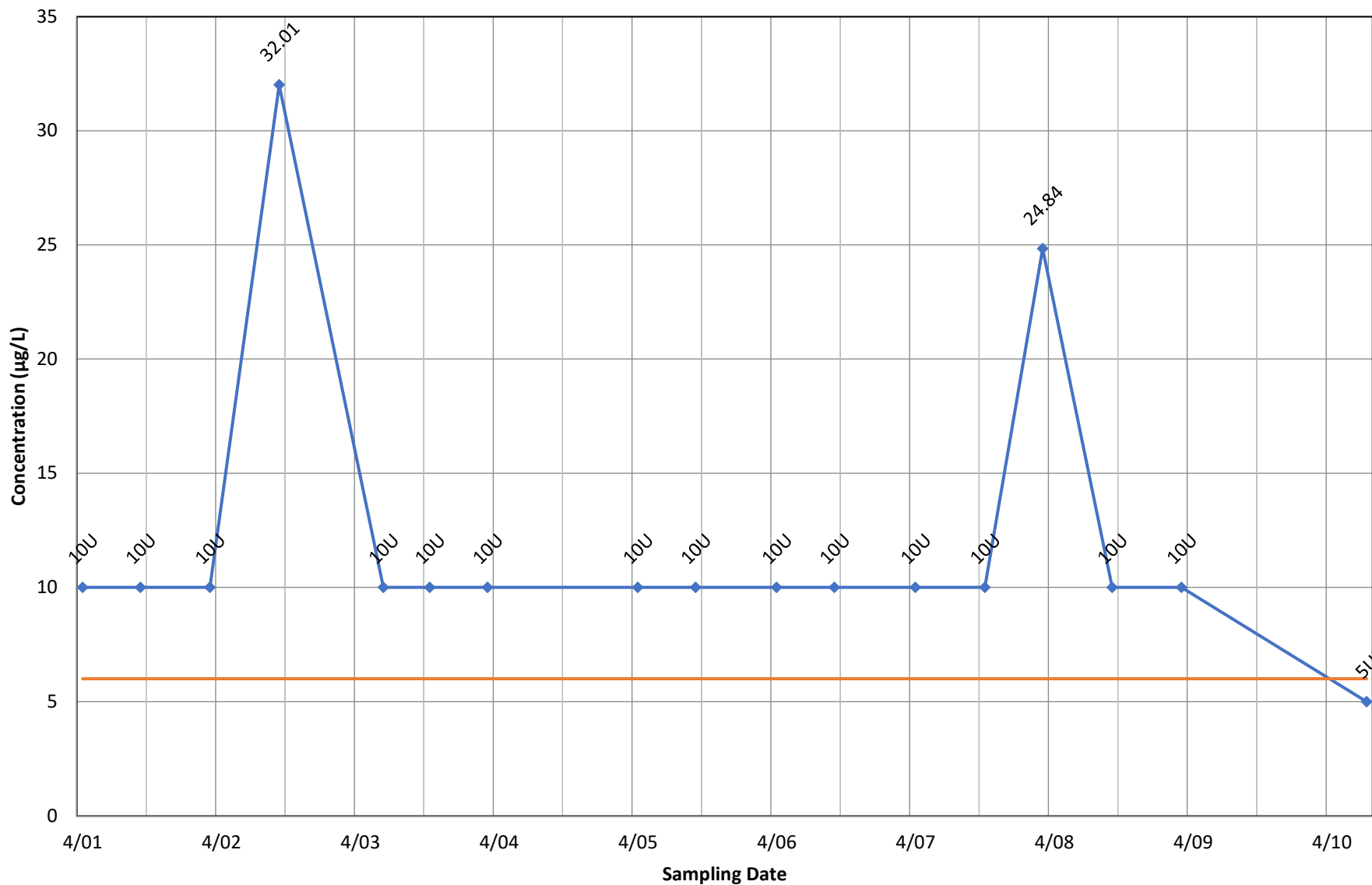


Monitoring Well OB03A - Benzene



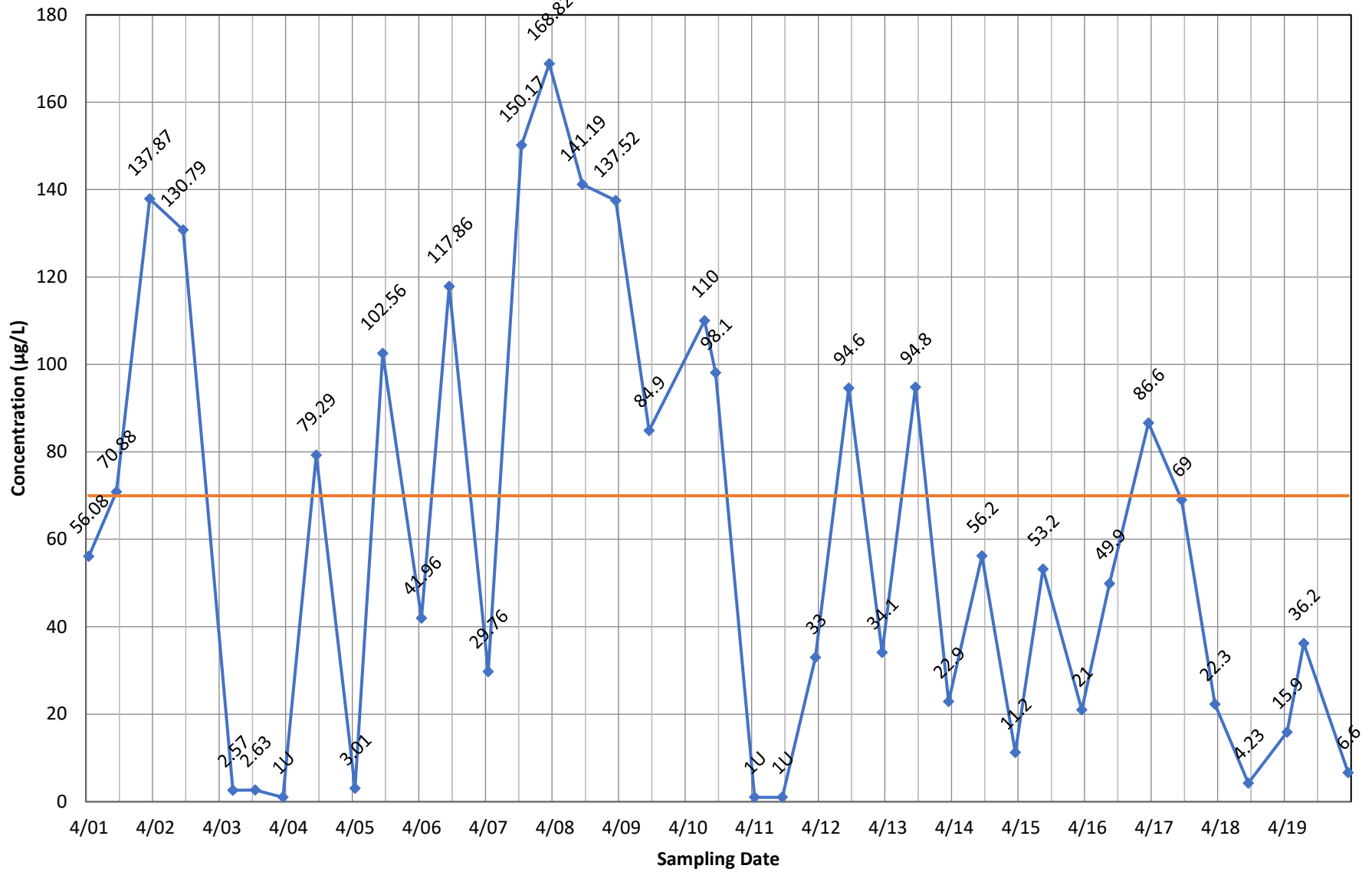
◆ Concentration — Current MCL

Monitoring Well OB03A - Bis(2-Ethylhexyl) Phthalate



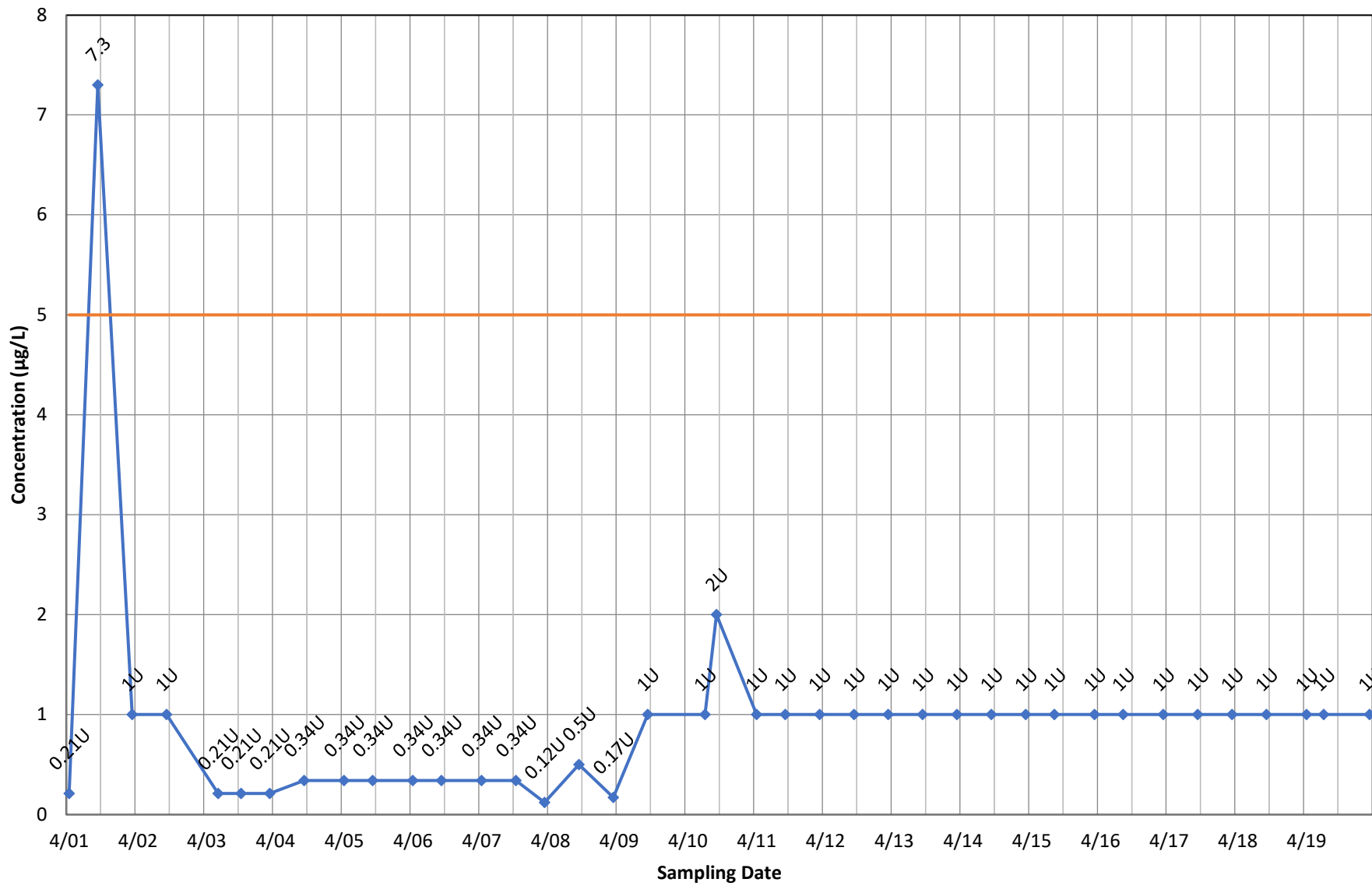
◆ Concentration — Current MCL

Monitoring Well OB03A - cis-1,2-Dichloroethene



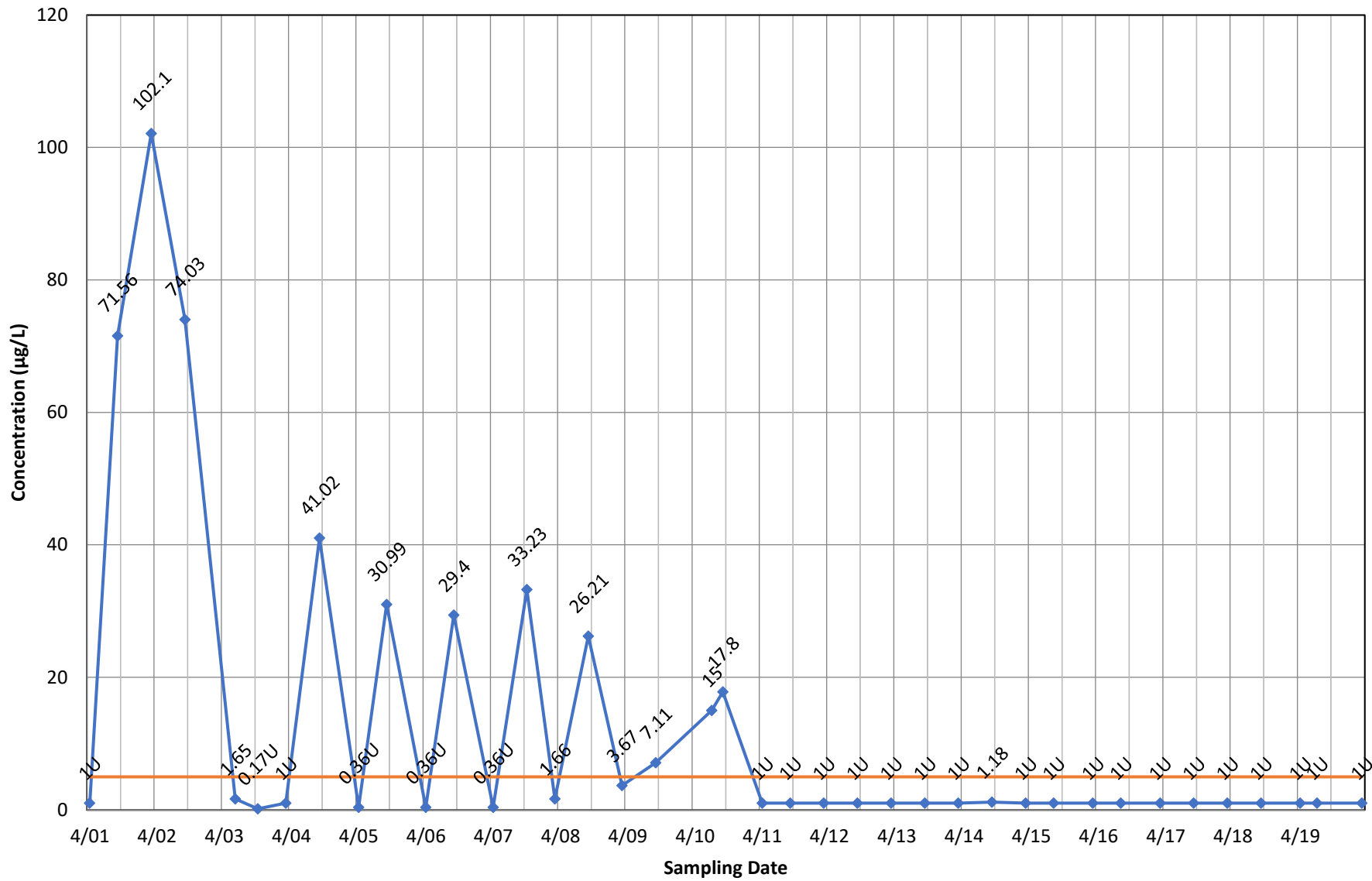
◆ Concentration — Current MCL

Monitoring Well OB03A - Methylene Chloride



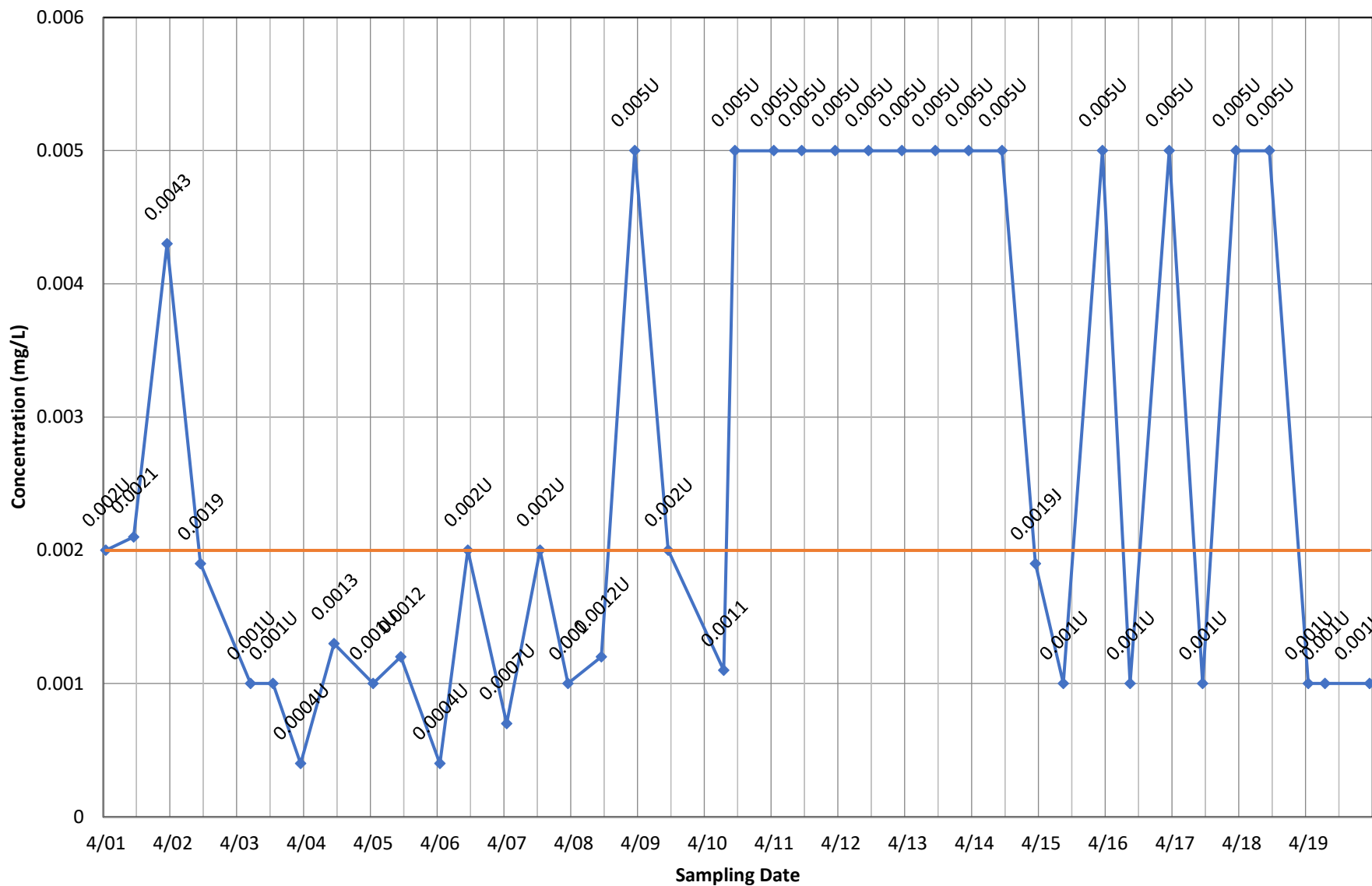
◆ Concentration — Current MCL

Monitoring Well OB03A - Tetrachloroethene



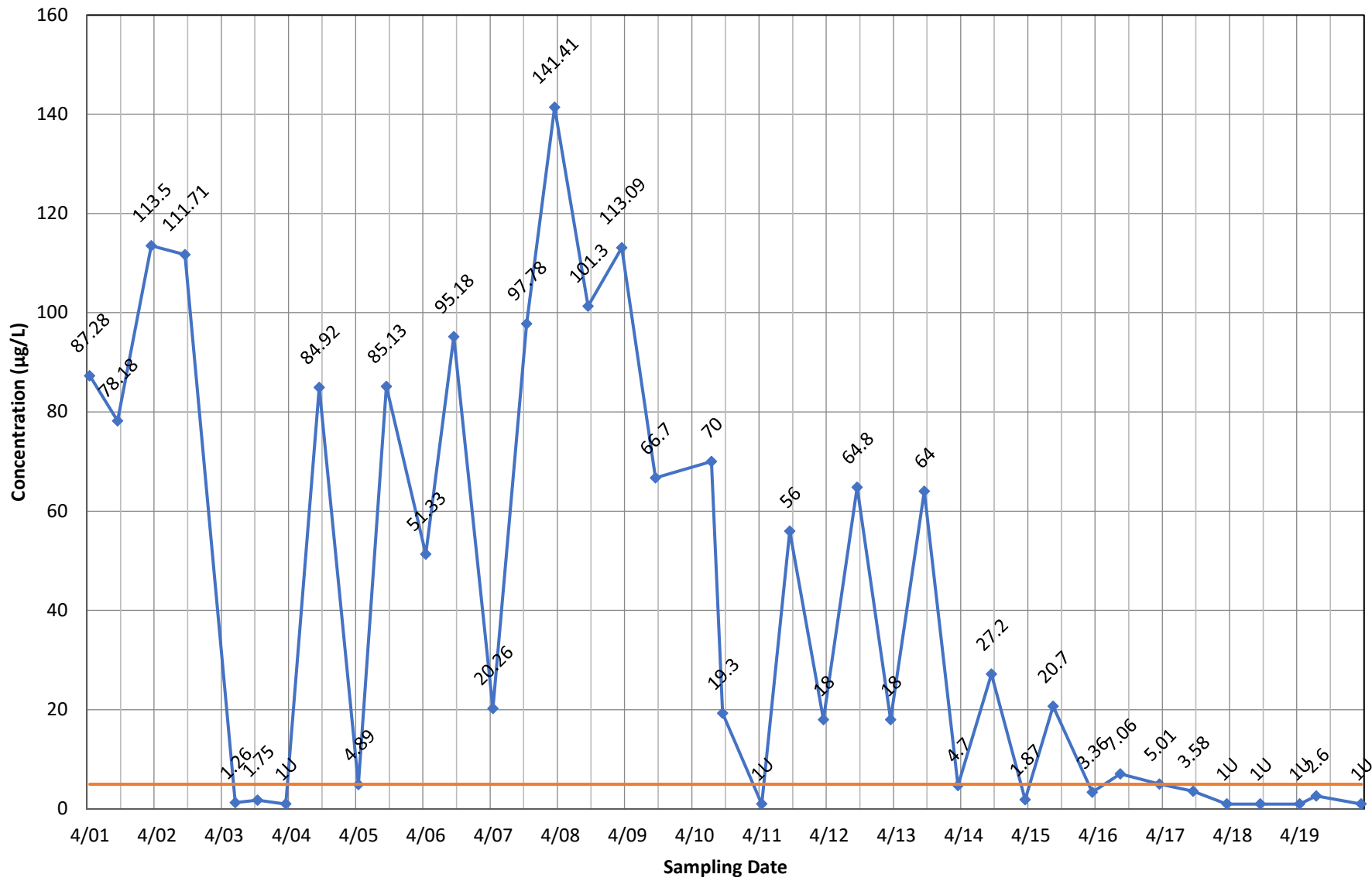
◆ Concentration — Current MCL

Monitoring Well OB03A - Thallium, total



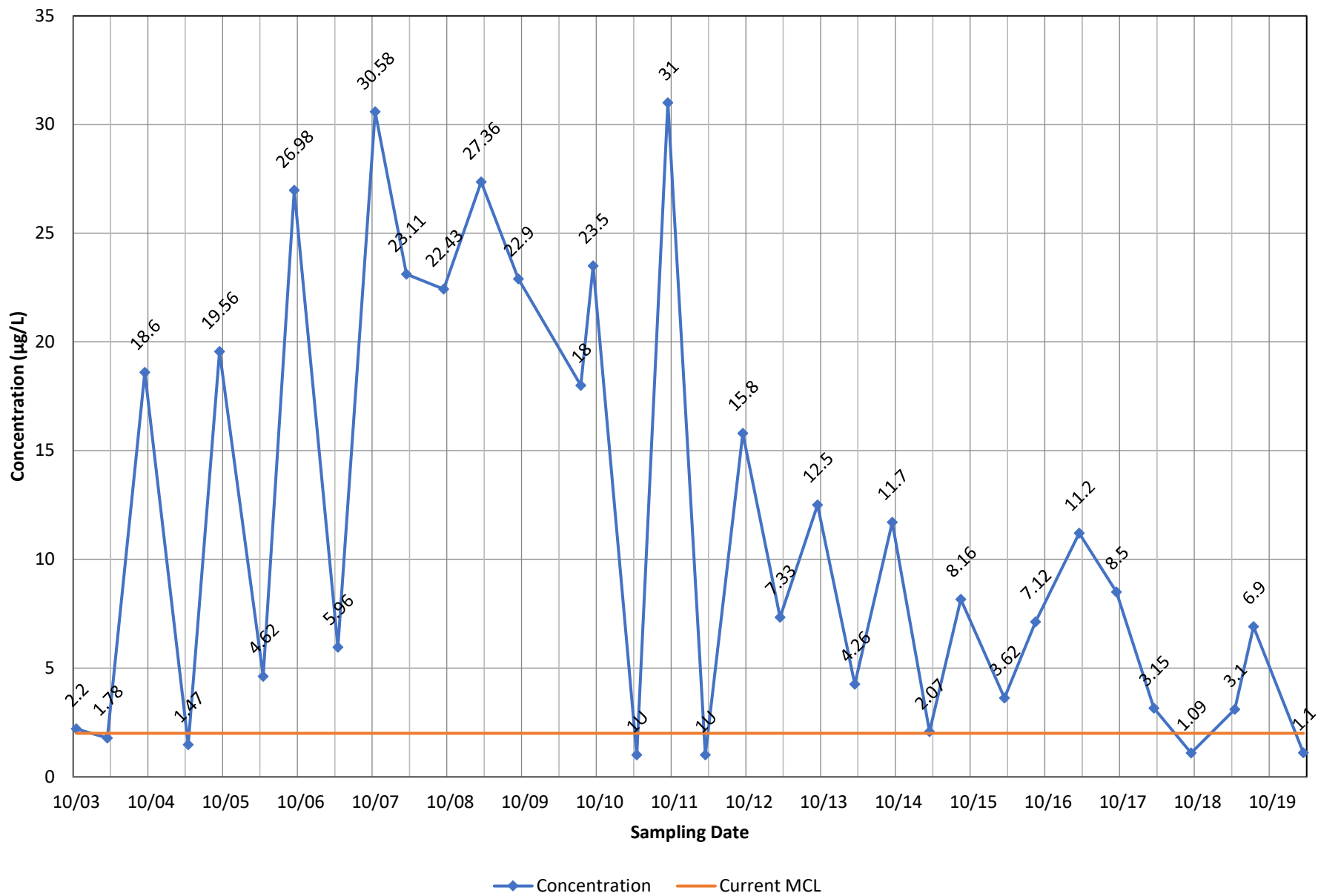
Concentration Current MCL

Monitoring Well OB03A - Trichloroethene

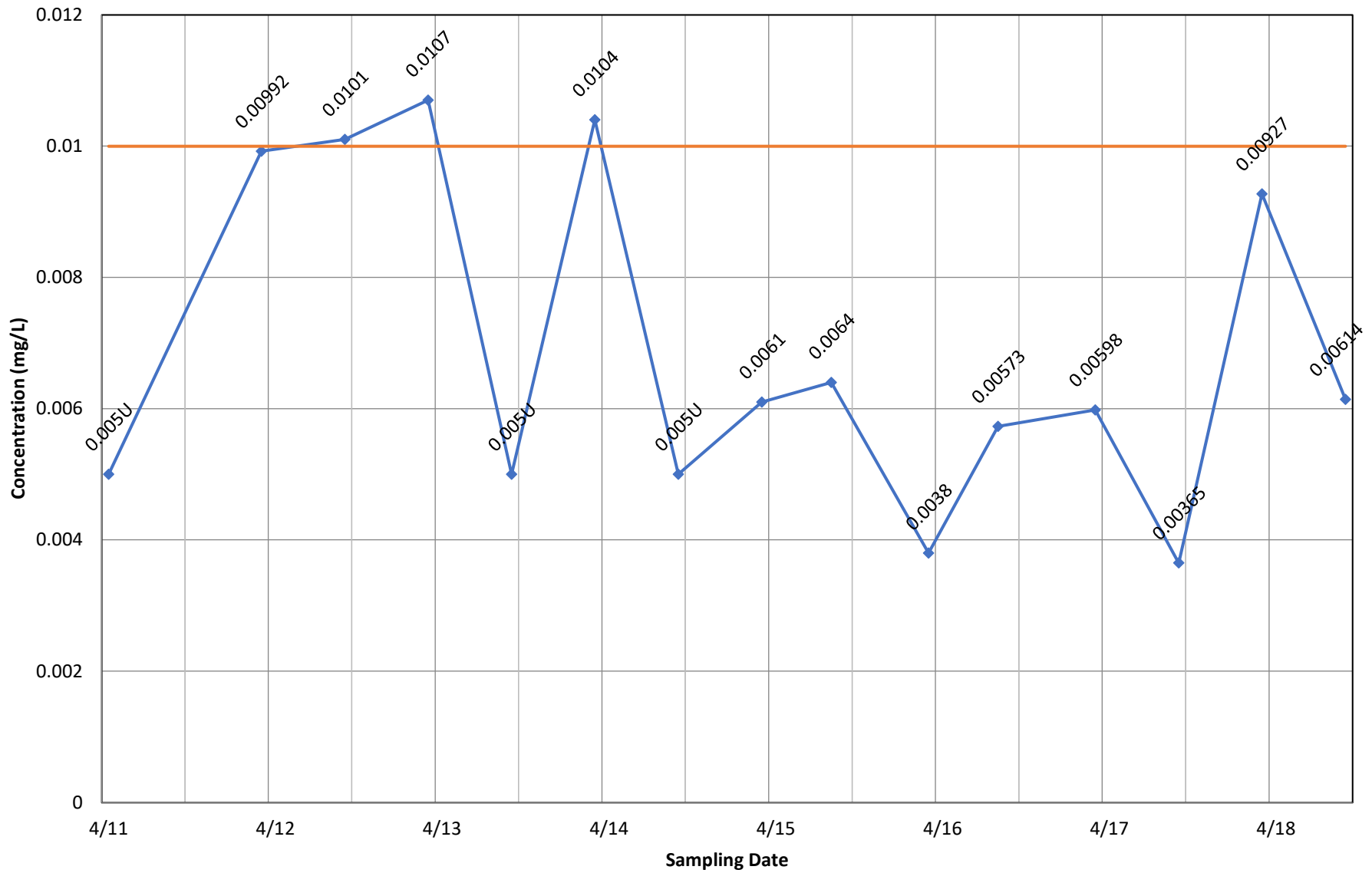


◆ Concentration — Current MCL

Monitoring Well OB03A - Vinyl Chloride

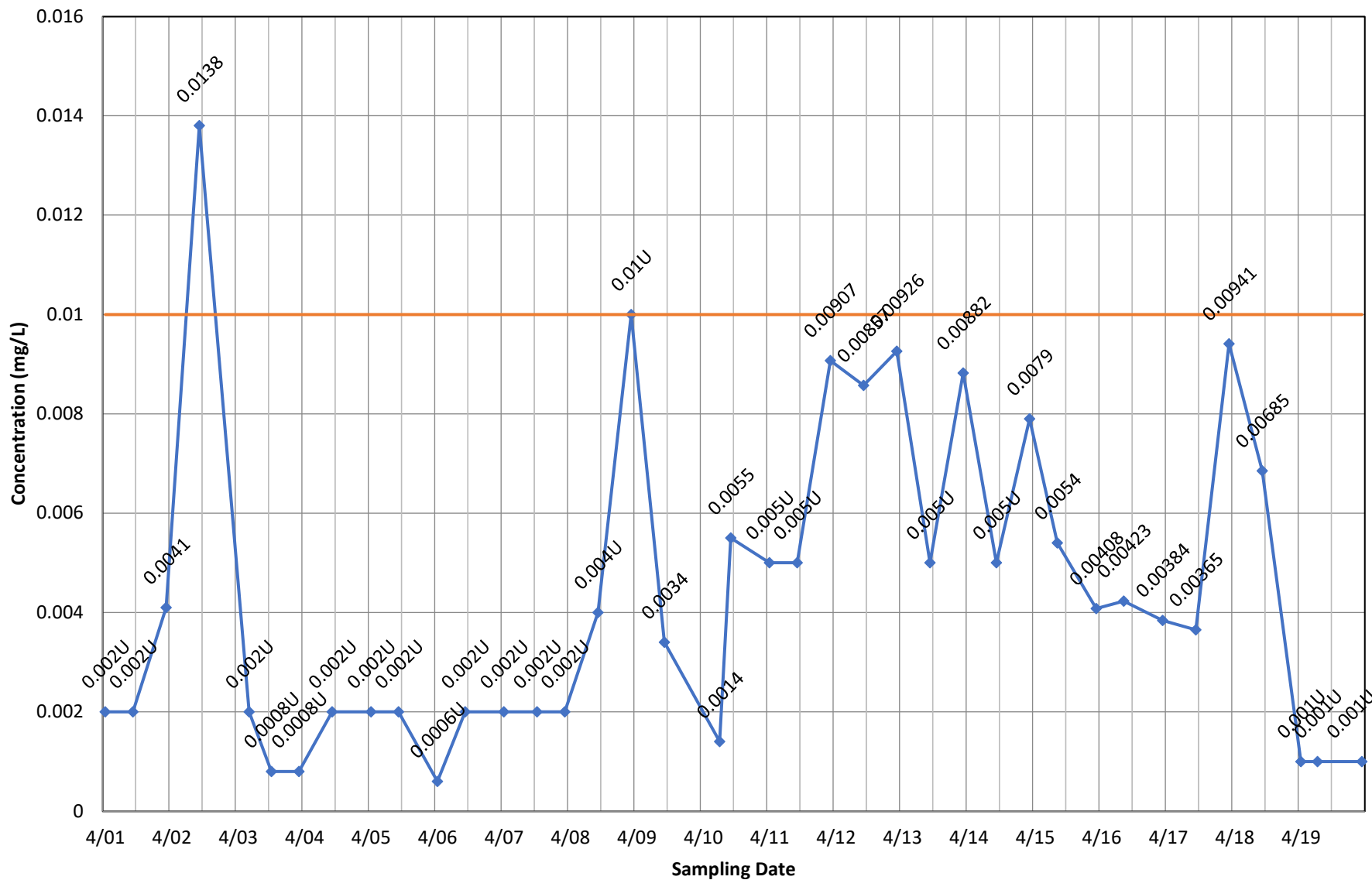


Monitoring Well OB04 - Arsenic, dissolved



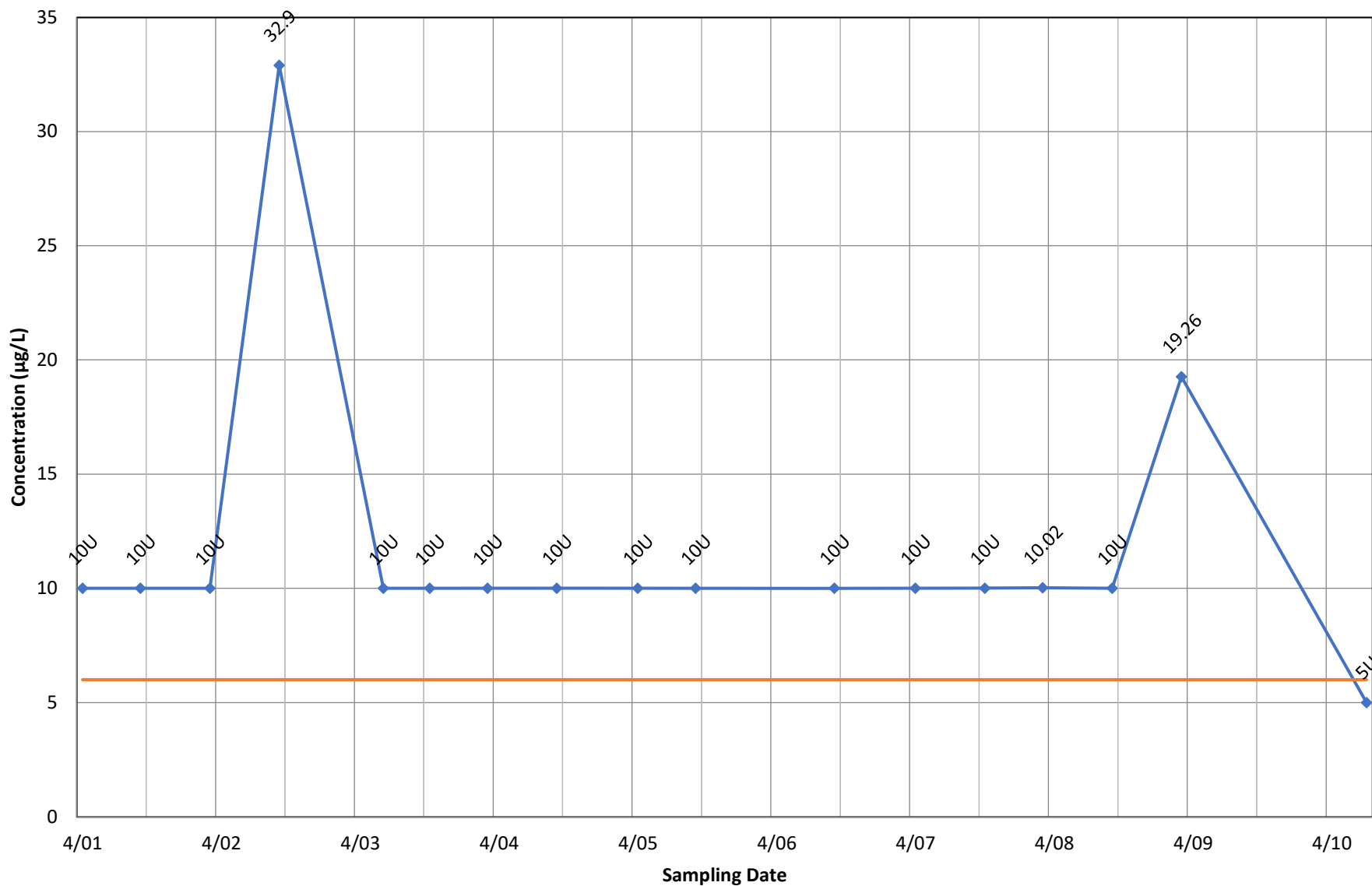
◆ Concentration — Current MCL

Monitoring Well OB04 - Arsenic, total



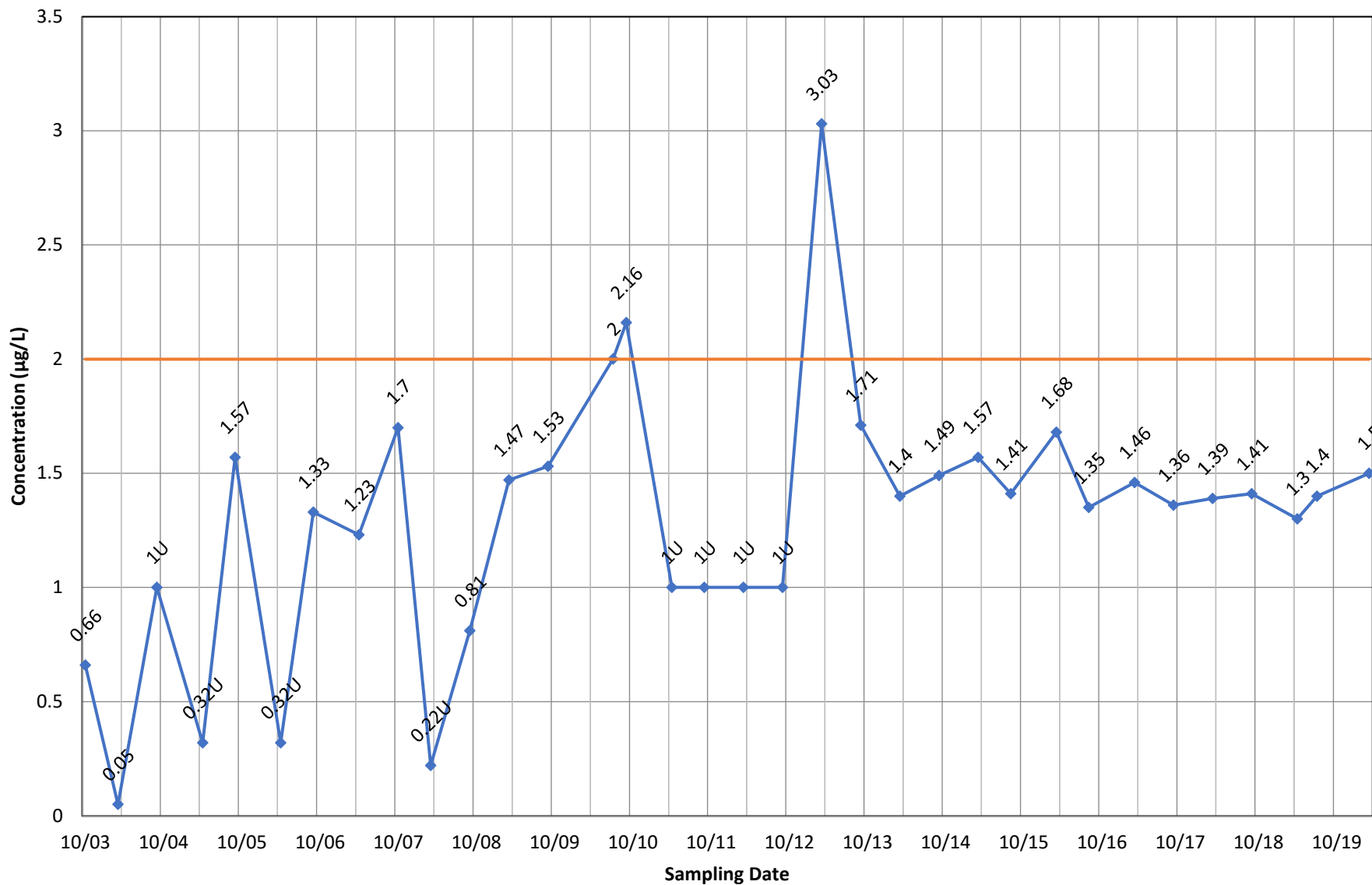
◆ Concentration — Current MCL

Monitoring Well OB04 - Bis(2-Ethylhexyl) Phthalate



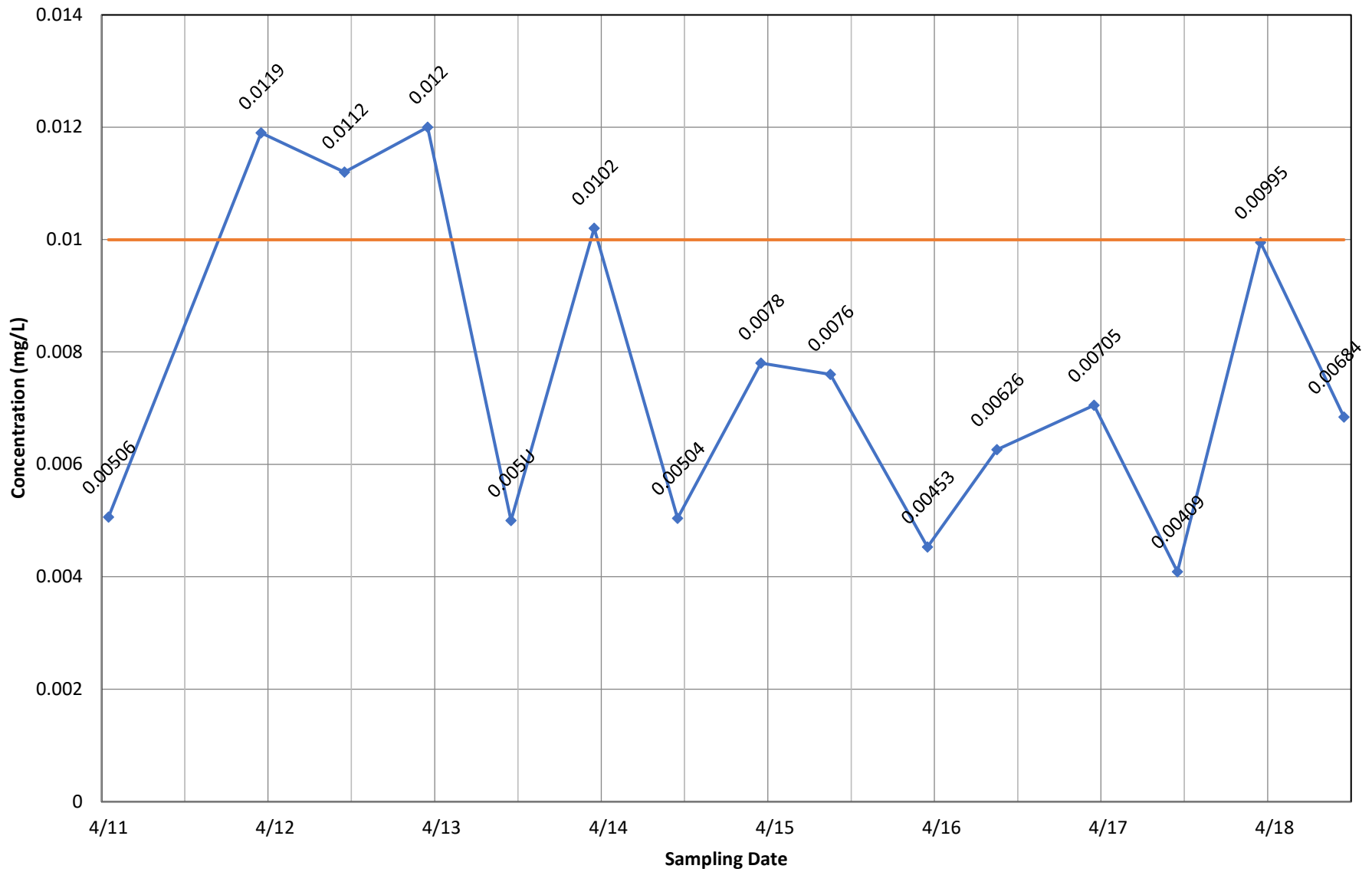
◆ Concentration — Current MCL

Monitoring Well OB04 - Vinyl Chloride



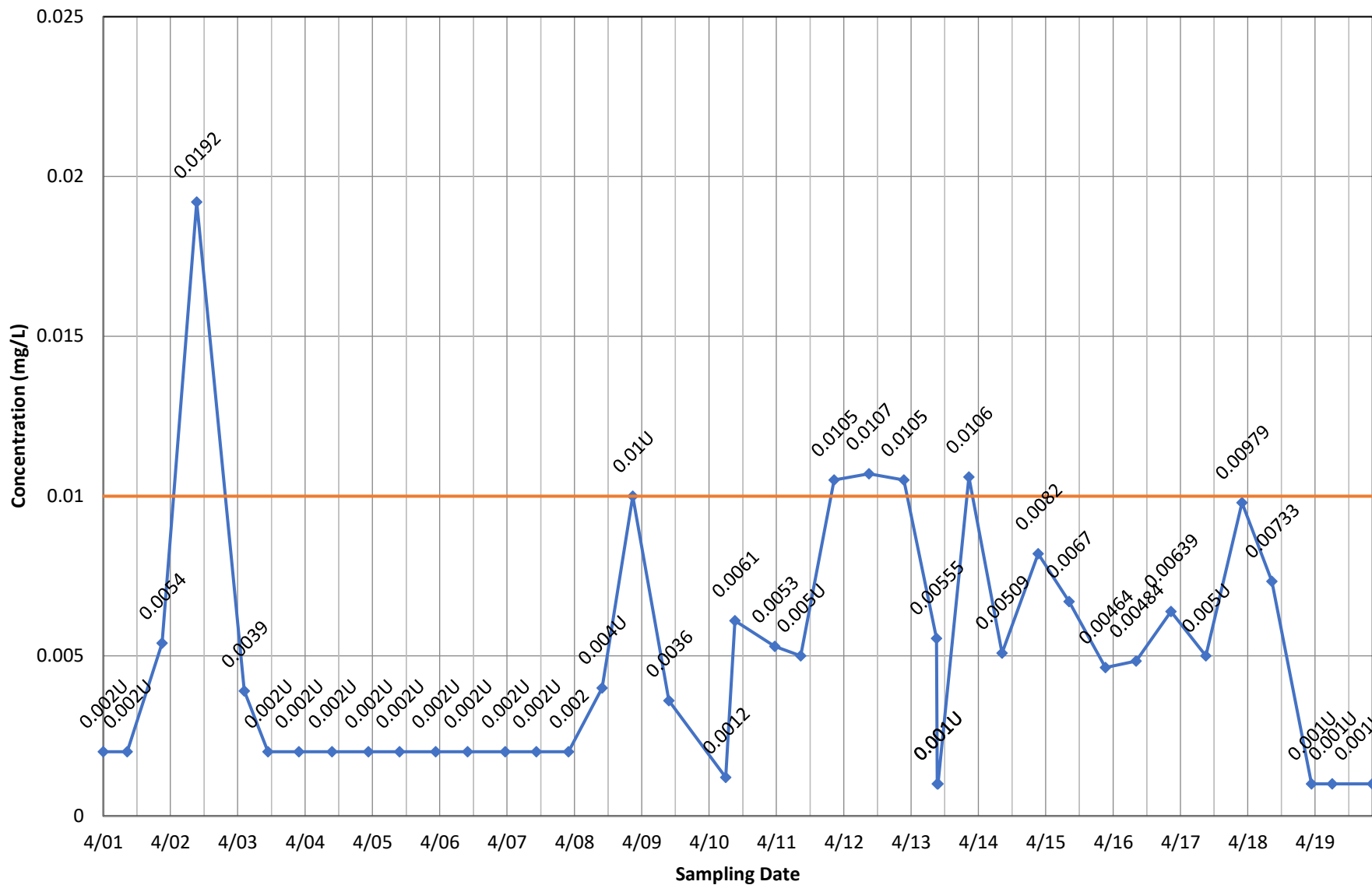
◆ Concentration — Current MCL

Monitoring Well OB04A - Arsenic, dissolved



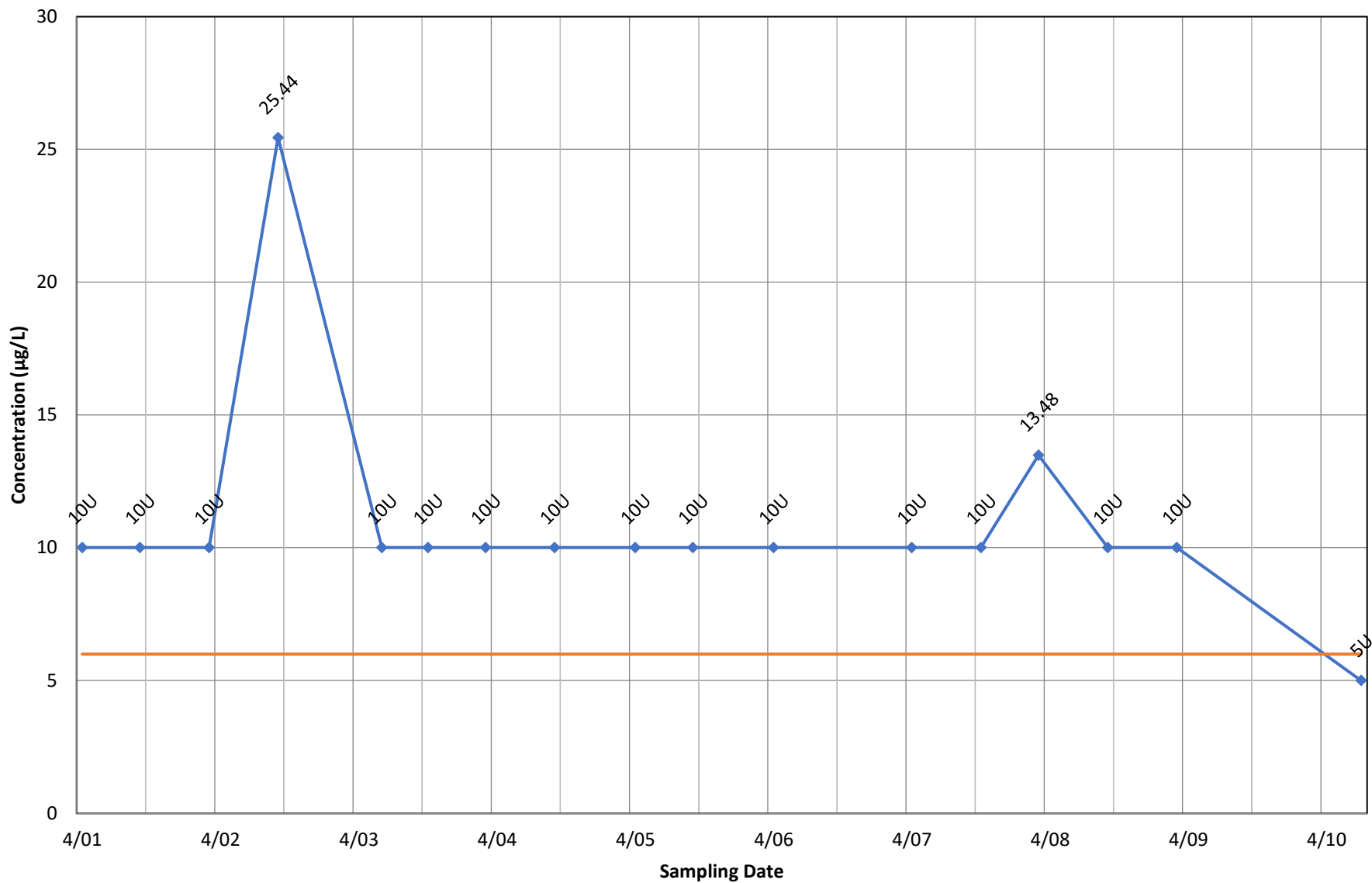
◆ Concentration — Current MCL

Monitoring Well OB04A - Arsenic, total



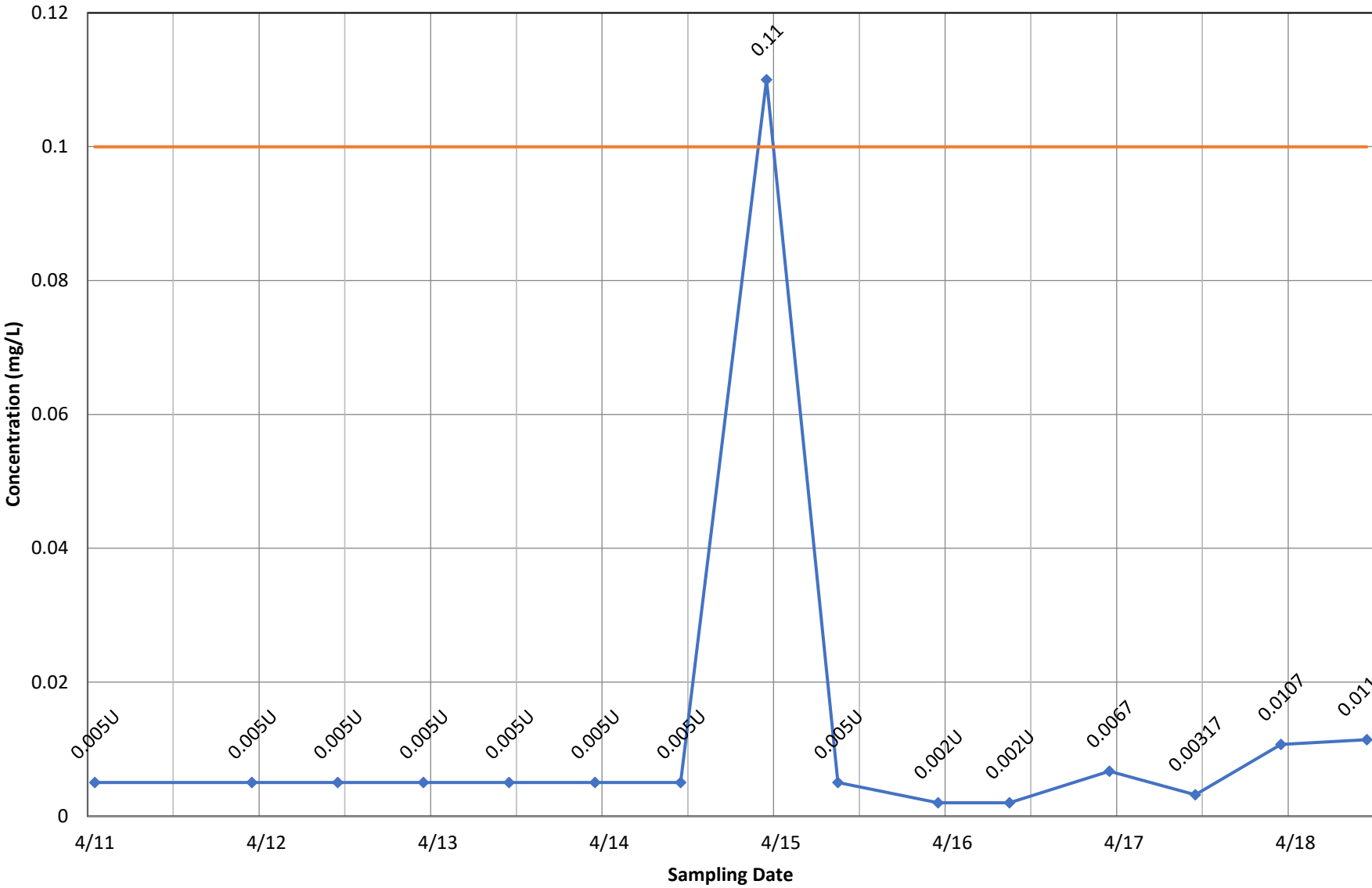
Concentration Current MCL

Monitoring Well OB04A - Bis(2-Ethylhexyl) Phthalate



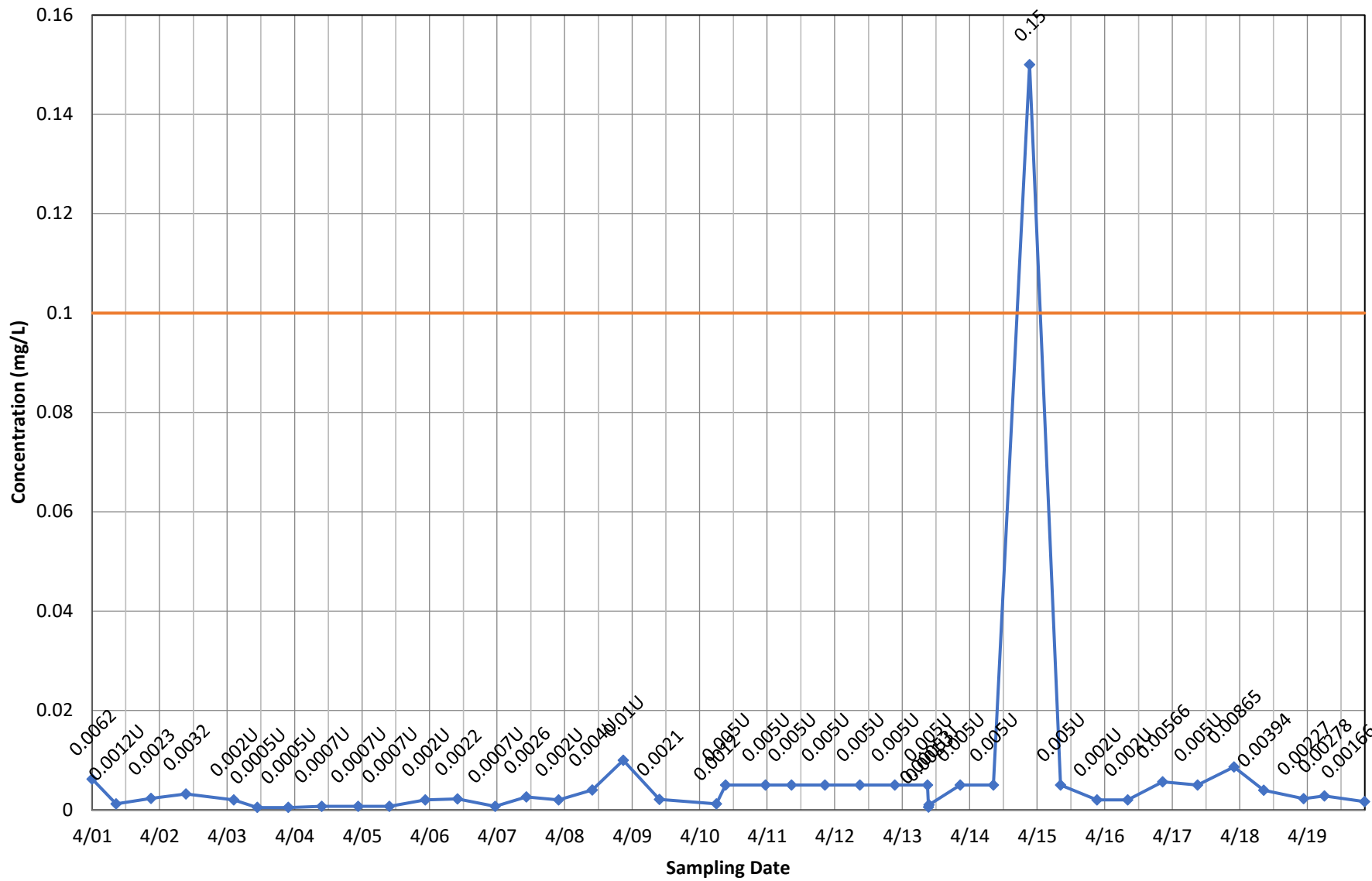
◆ Concentration — Current MCL

Monitoring Well OB04A - Chromium, dissolved



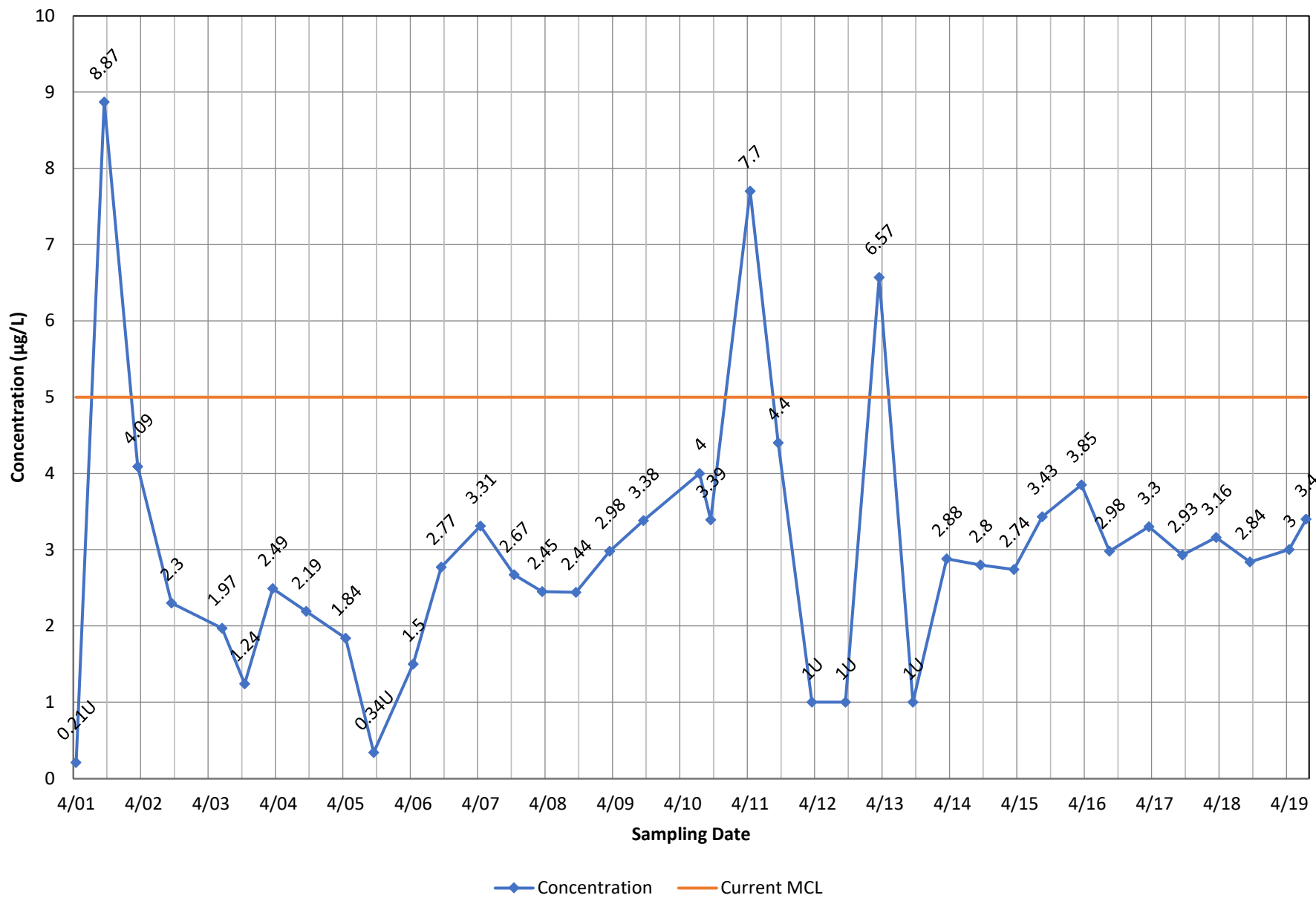
◆ Concentration — Current MCL

Monitoring Well OB04A - Chromium, total

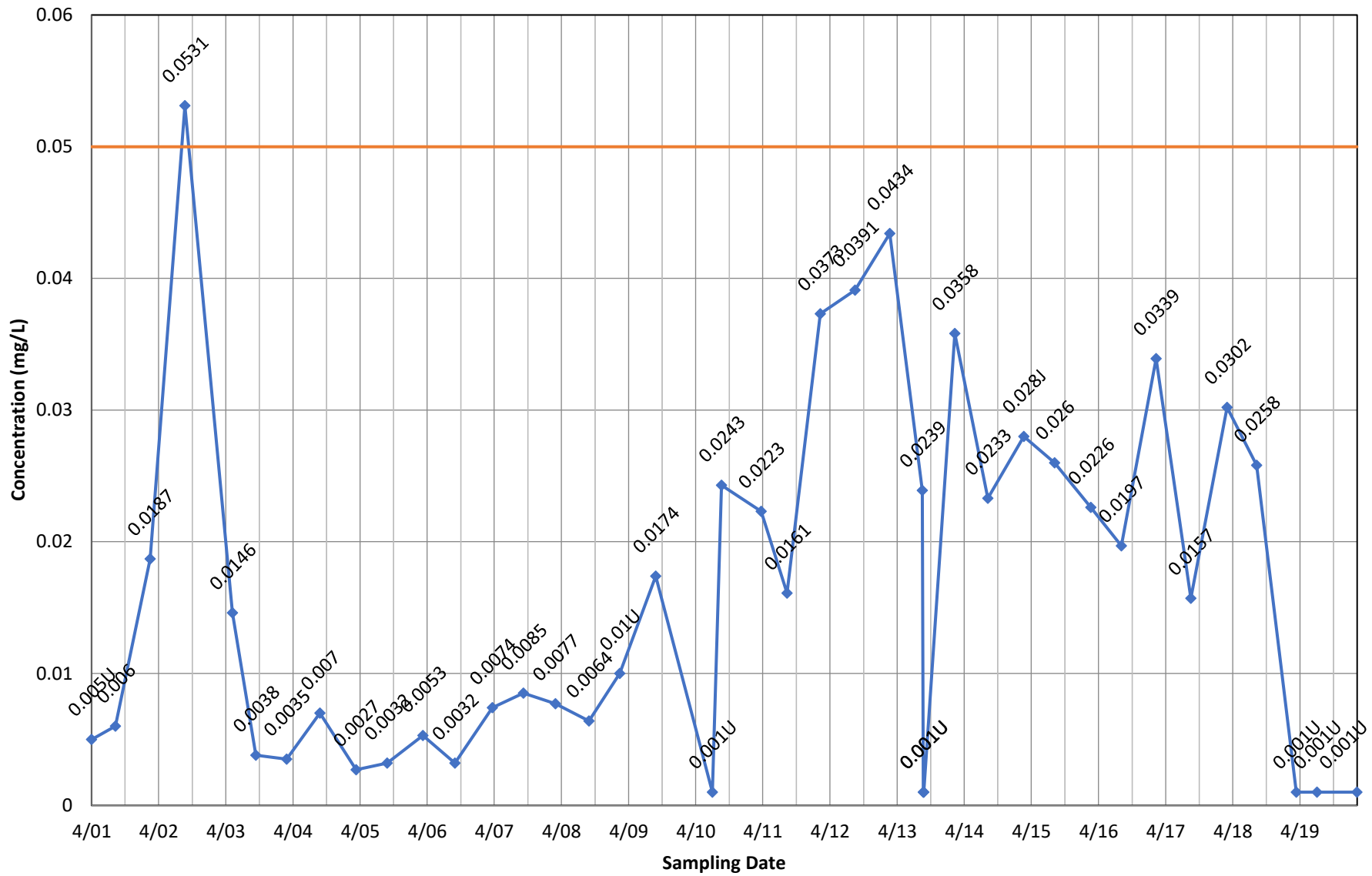


◆ Concentration — Current MCL

Monitoring Well OB04A - Methylene Chloride

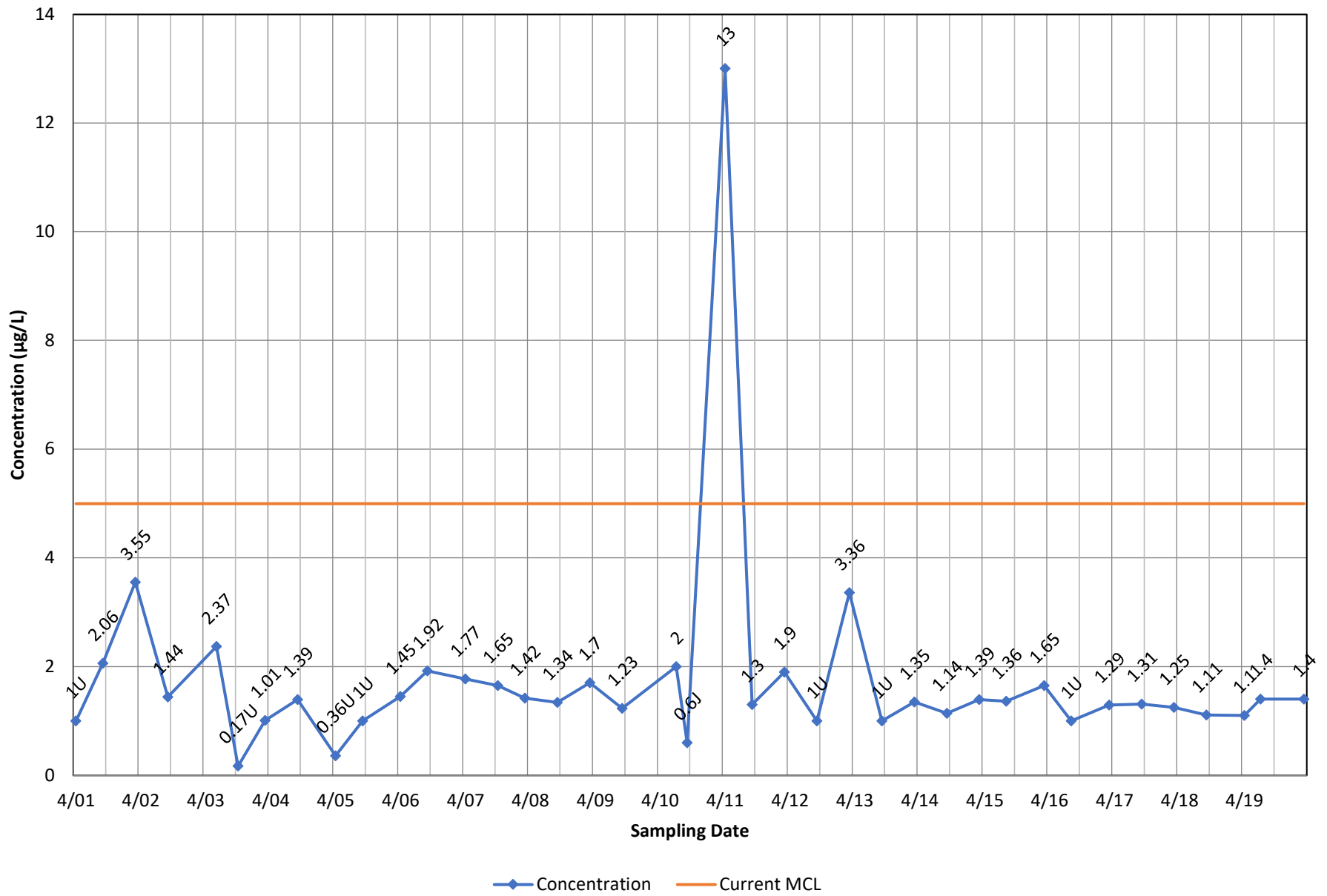


Monitoring Well OB04A - Selenium, total

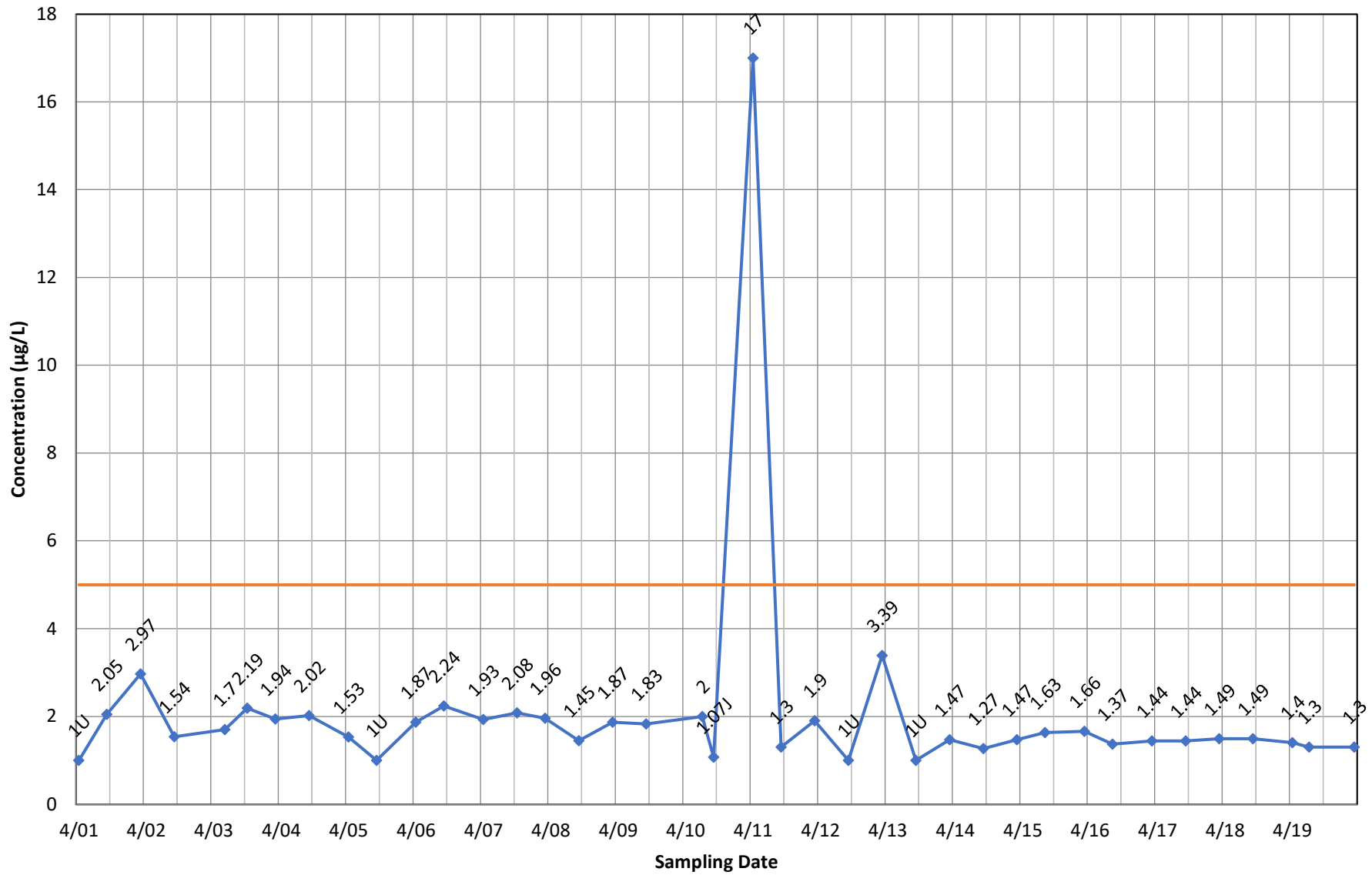


◆ Concentration — Current MCL

Monitoring Well OB04A - Tetrachloroethene

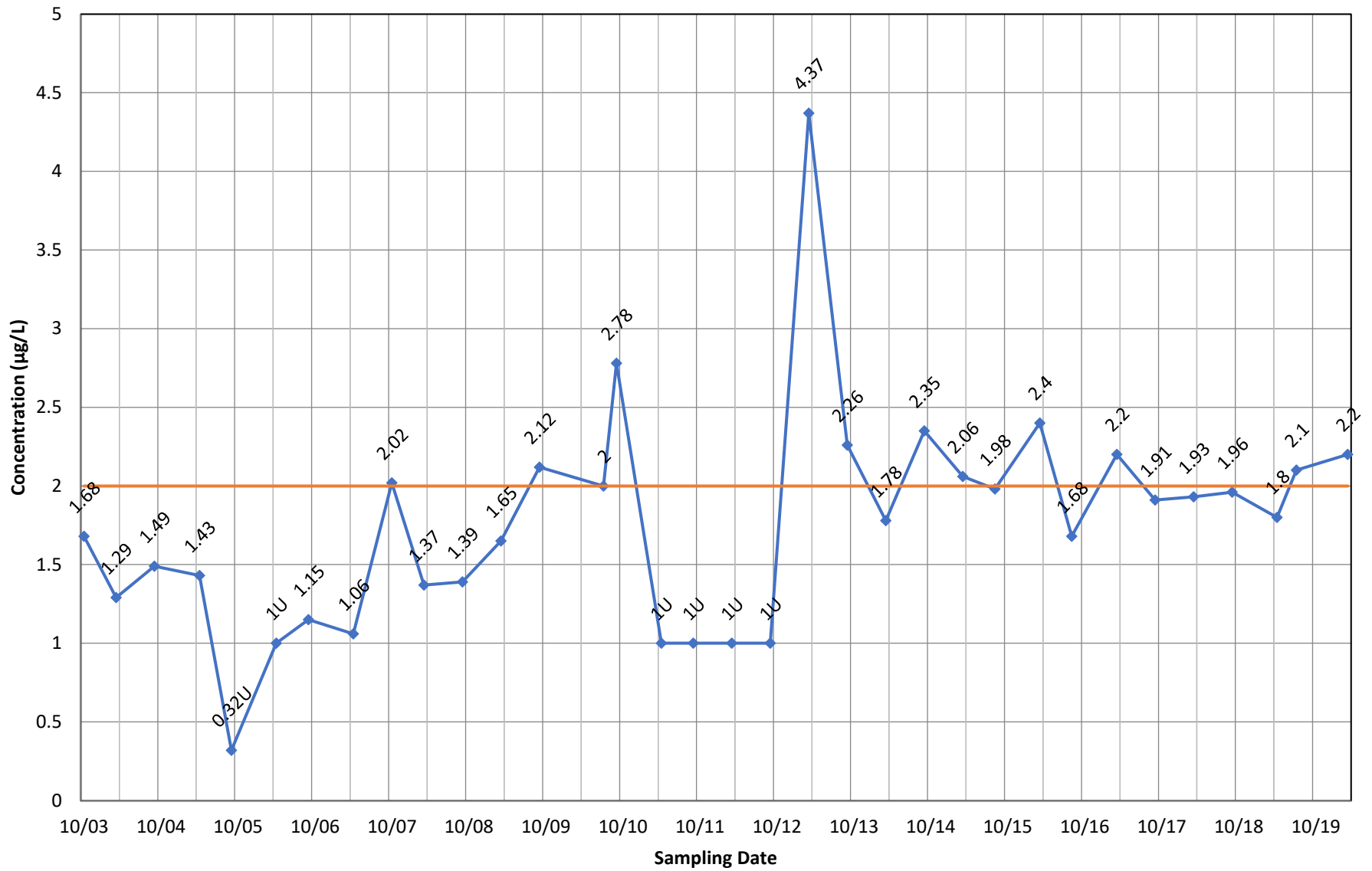


Monitoring Well OB04A - Trichloroethene



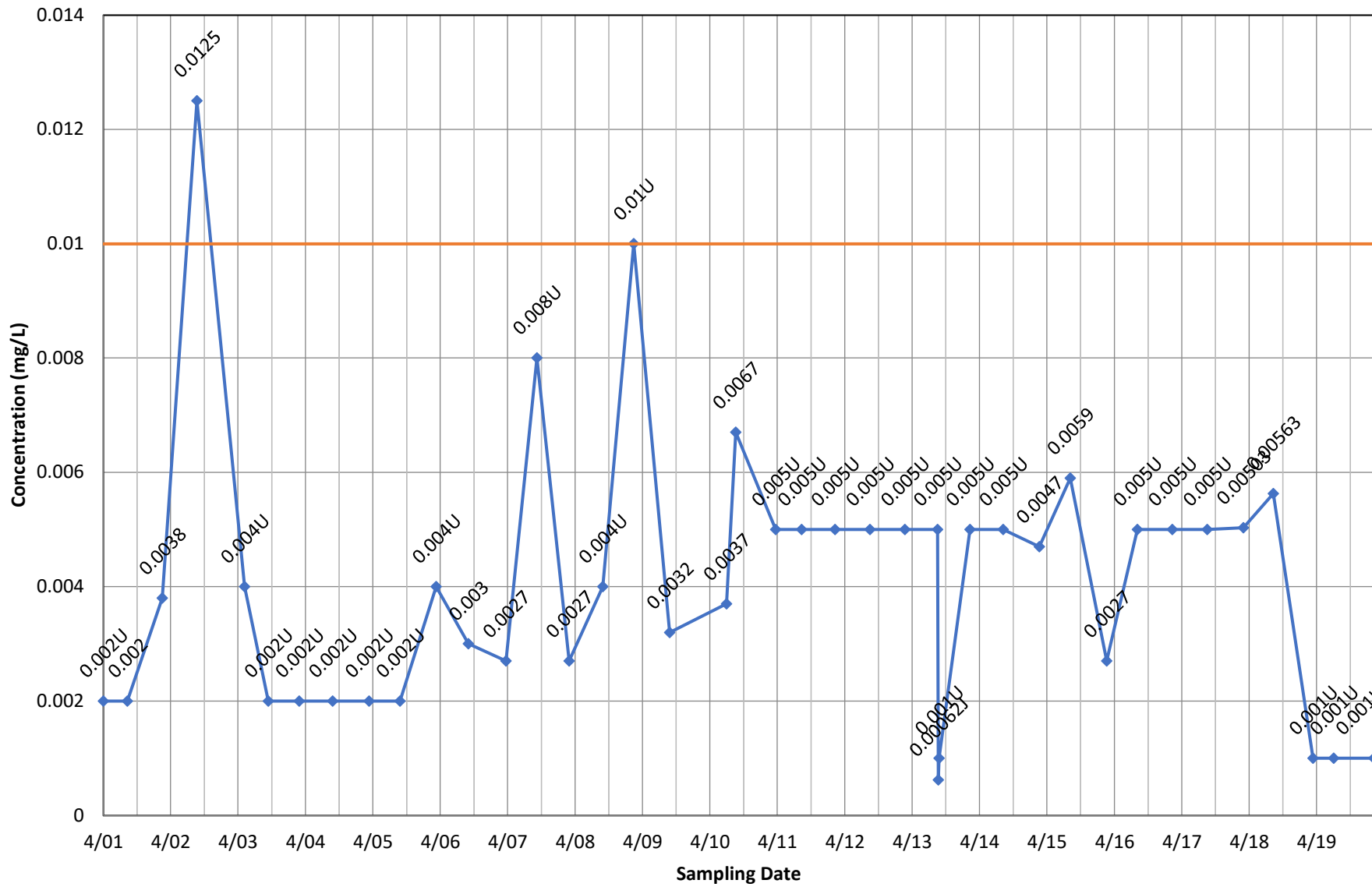
◆ Concentration — Current MCL

Monitoring Well OB04A - Vinyl Chloride



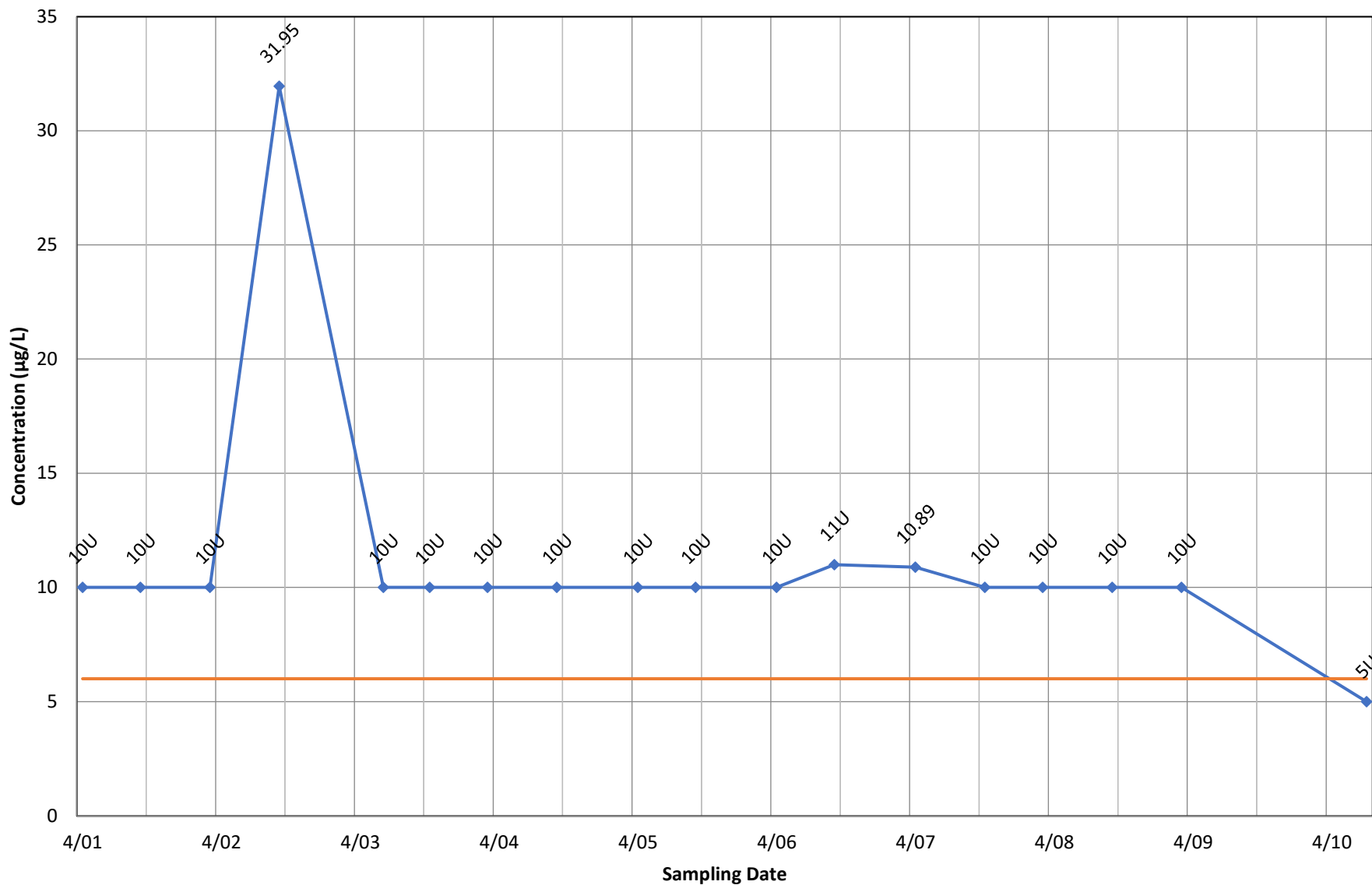
◆ Concentration — Current MCL

Monitoring Well OB06 - Arsenic, total



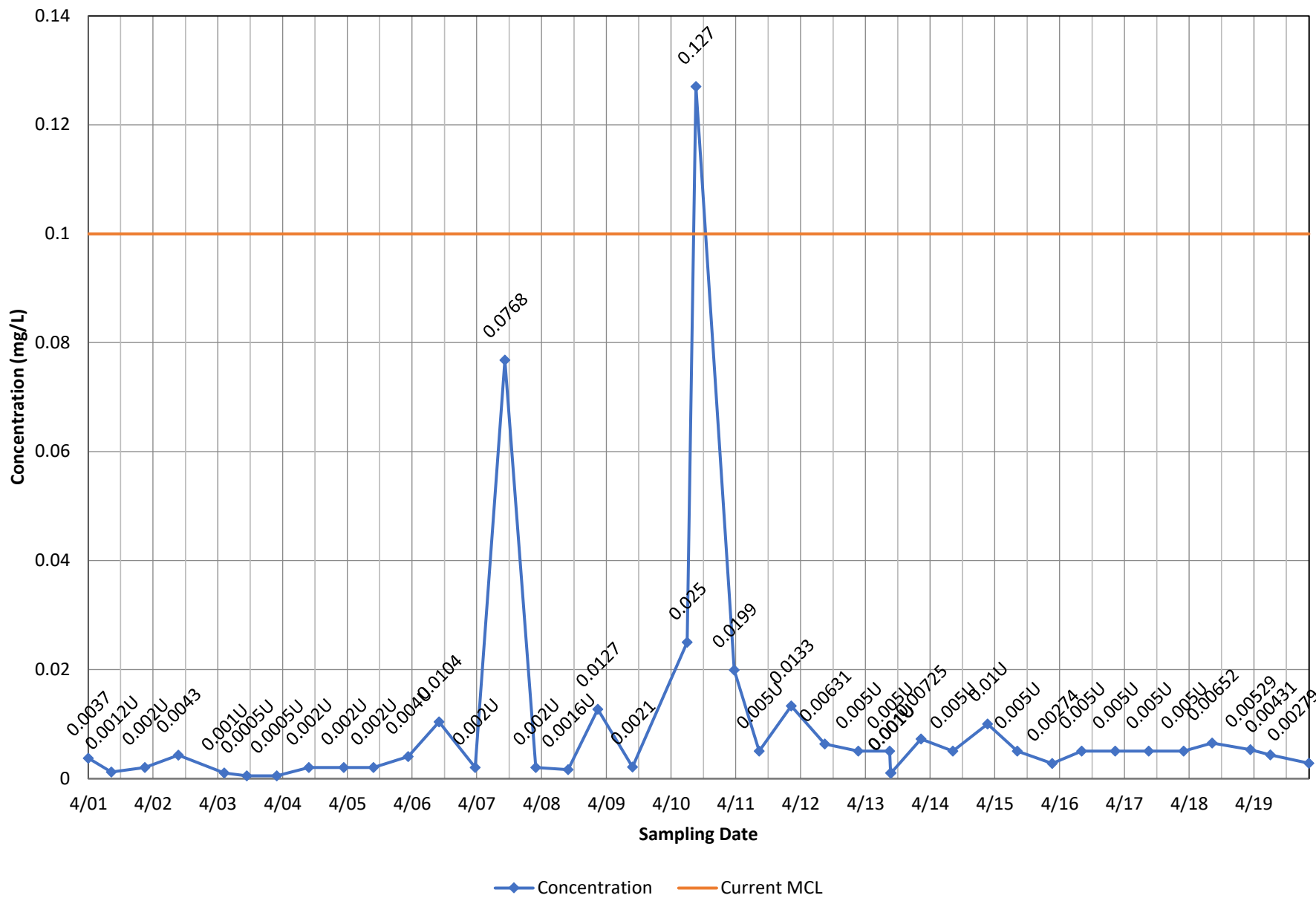
◆ Concentration — Current MCL

Monitoring Well OB06 - Bis(2-Ethylhexyl) Phthalate

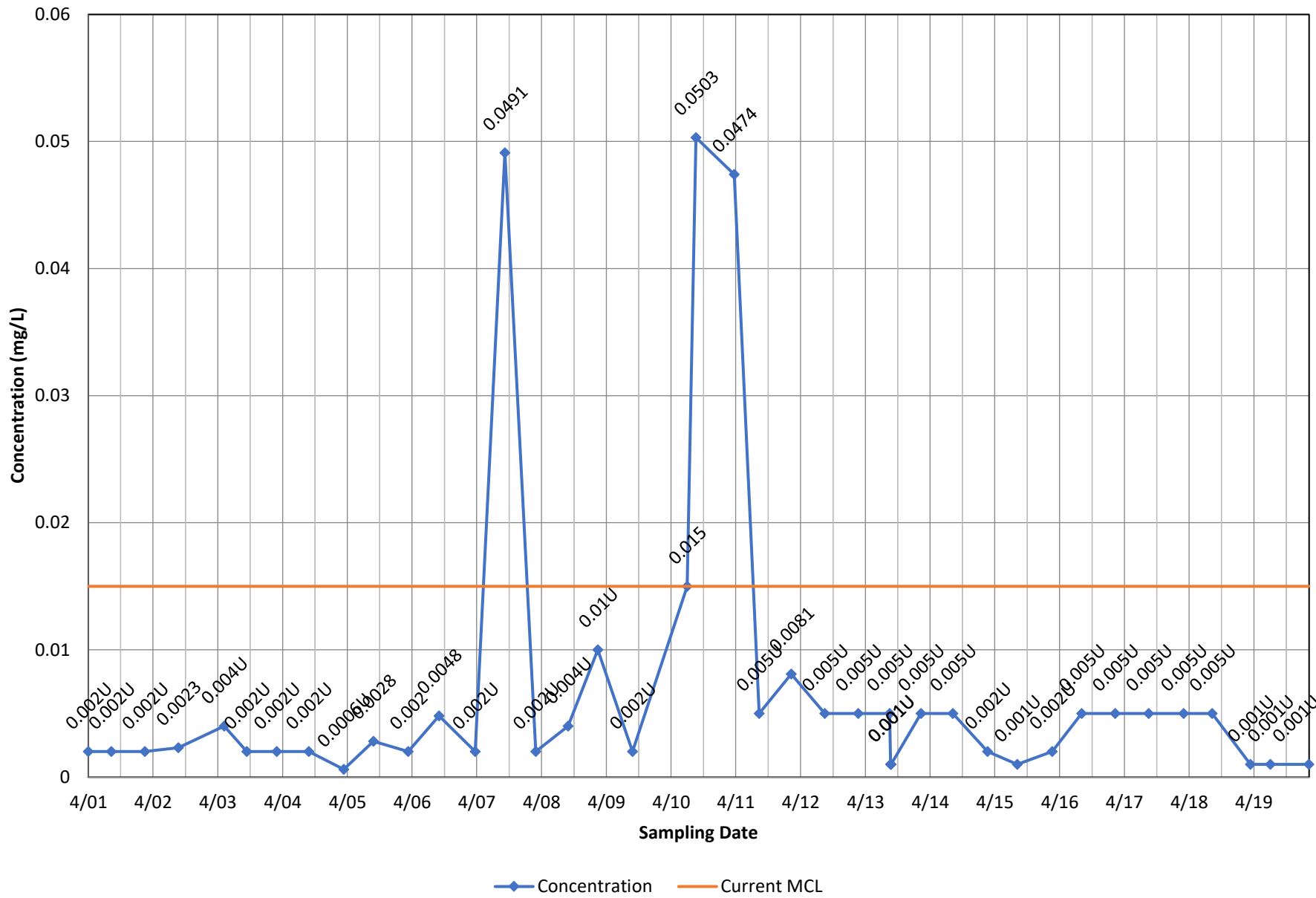


◆ Concentration — Current MCL

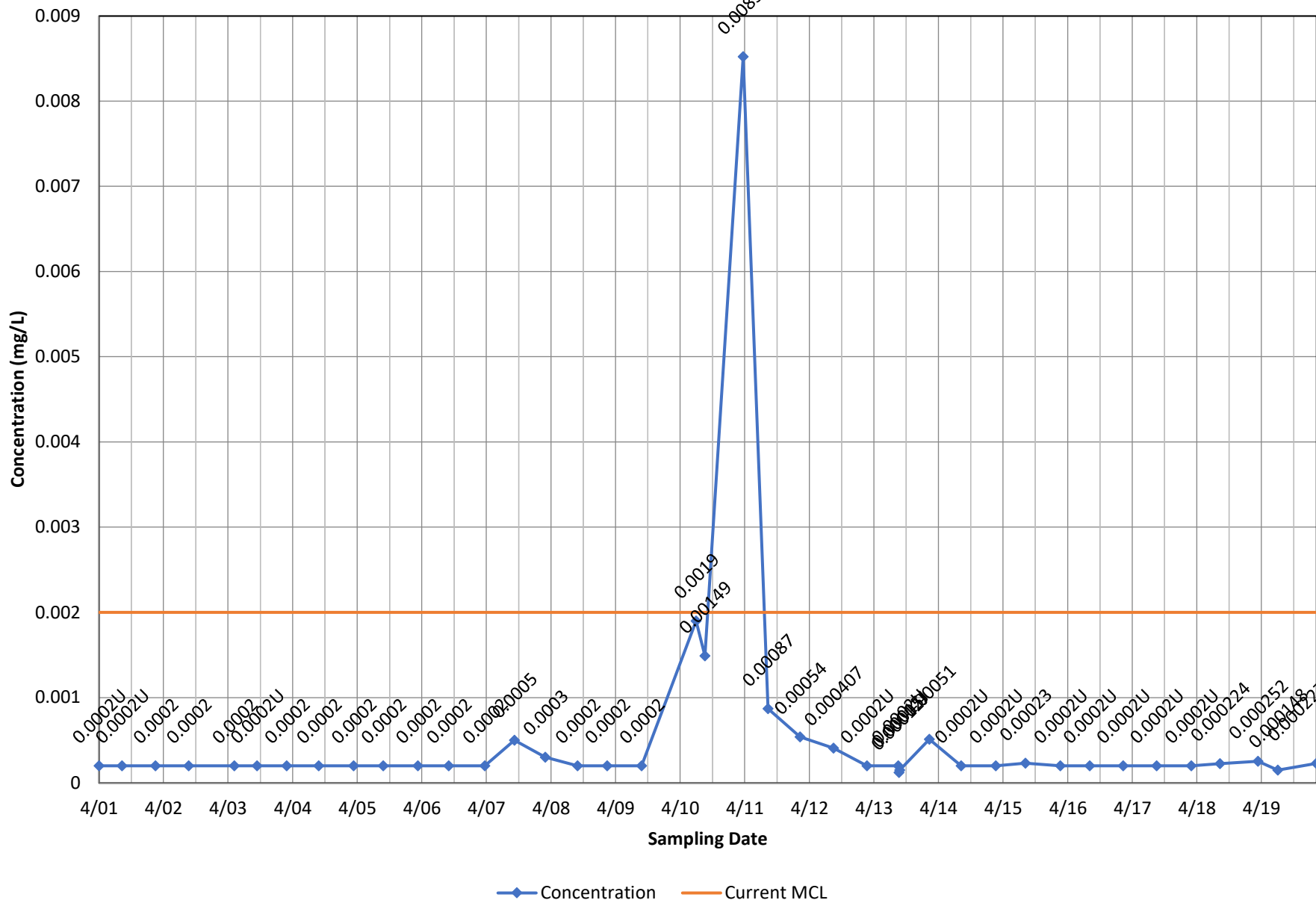
Monitoring Well OB06 - Chromium, total



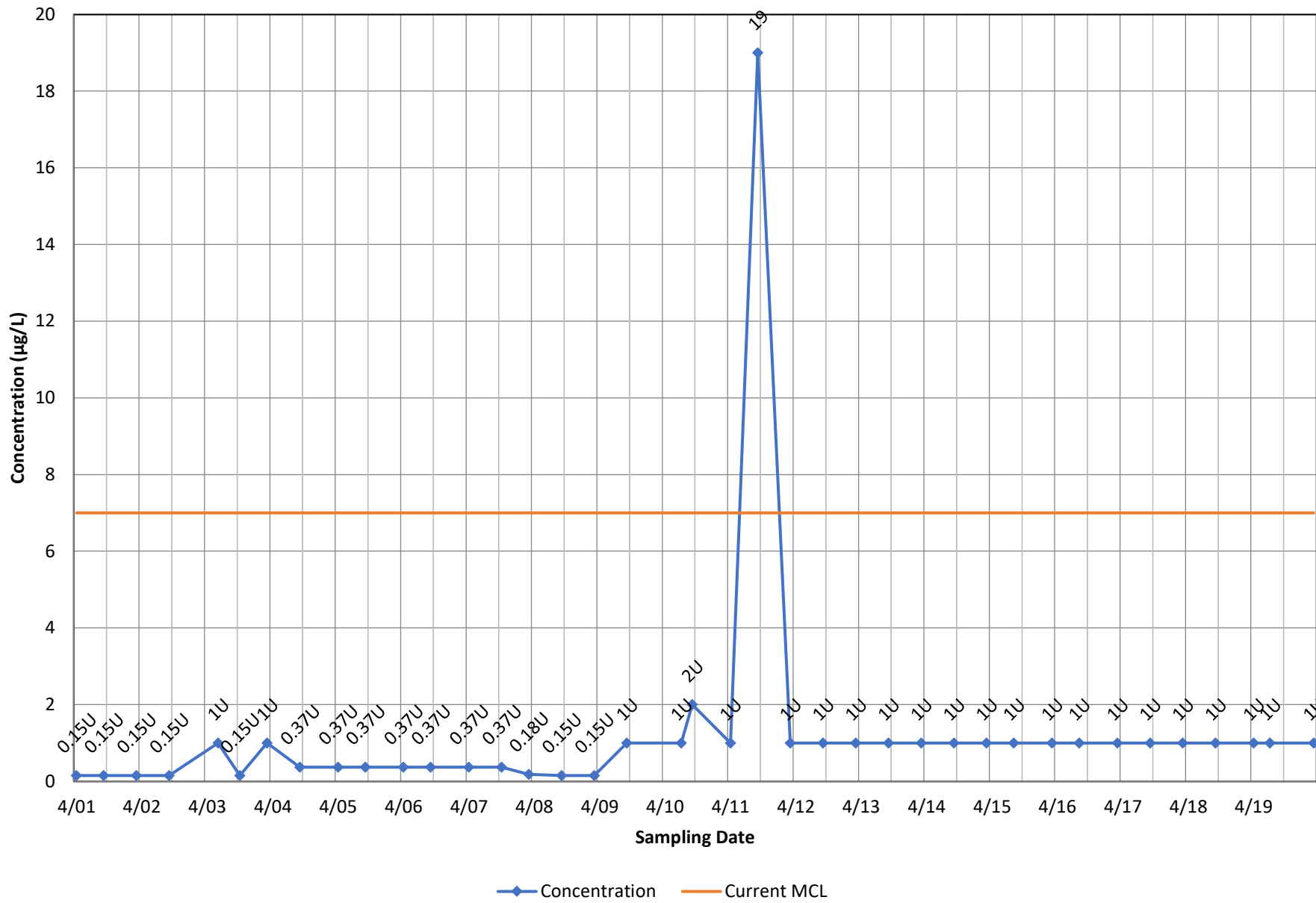
Monitoring Well OB06 - Lead, total



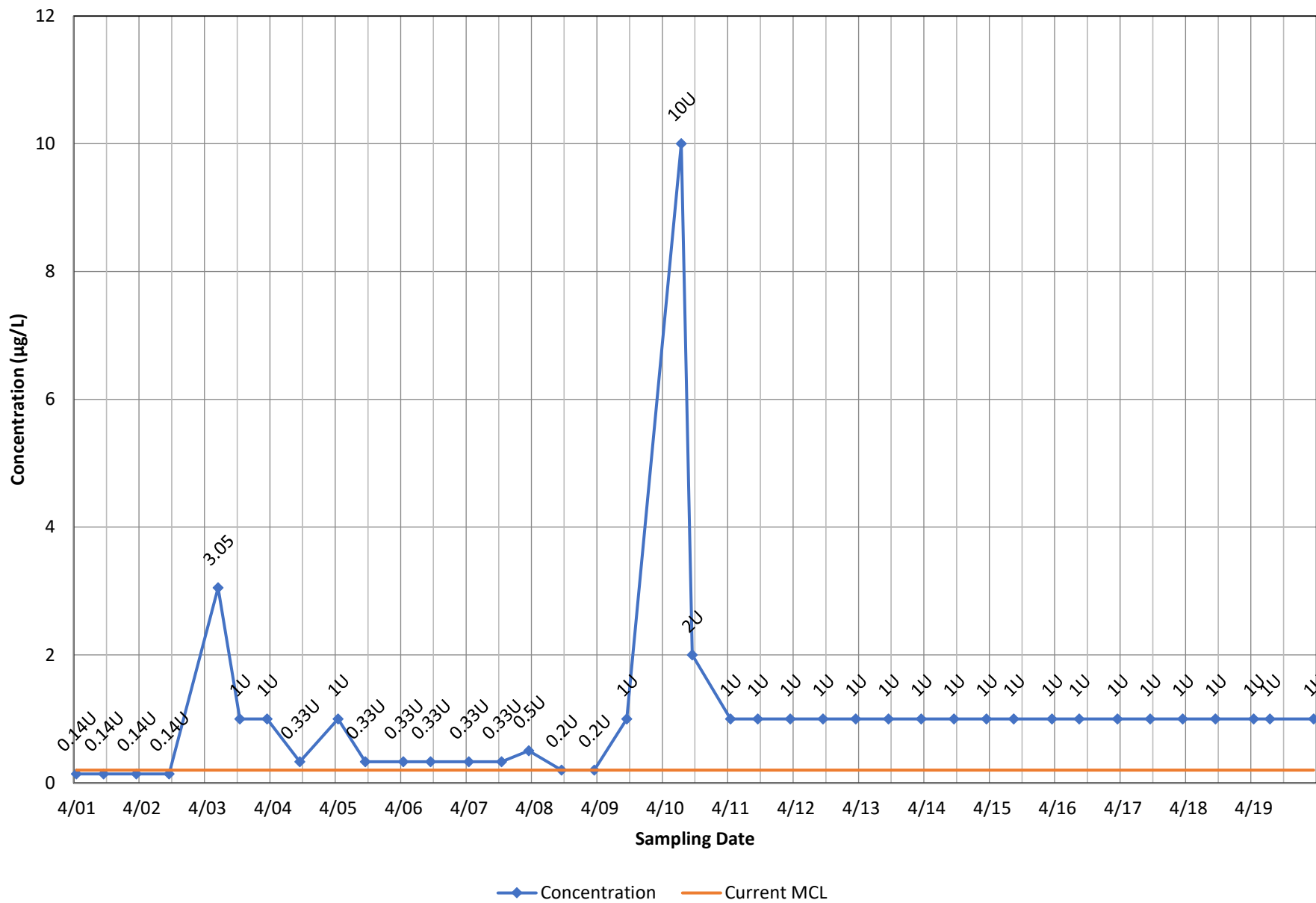
Monitoring Well OB06 - Mercury, total



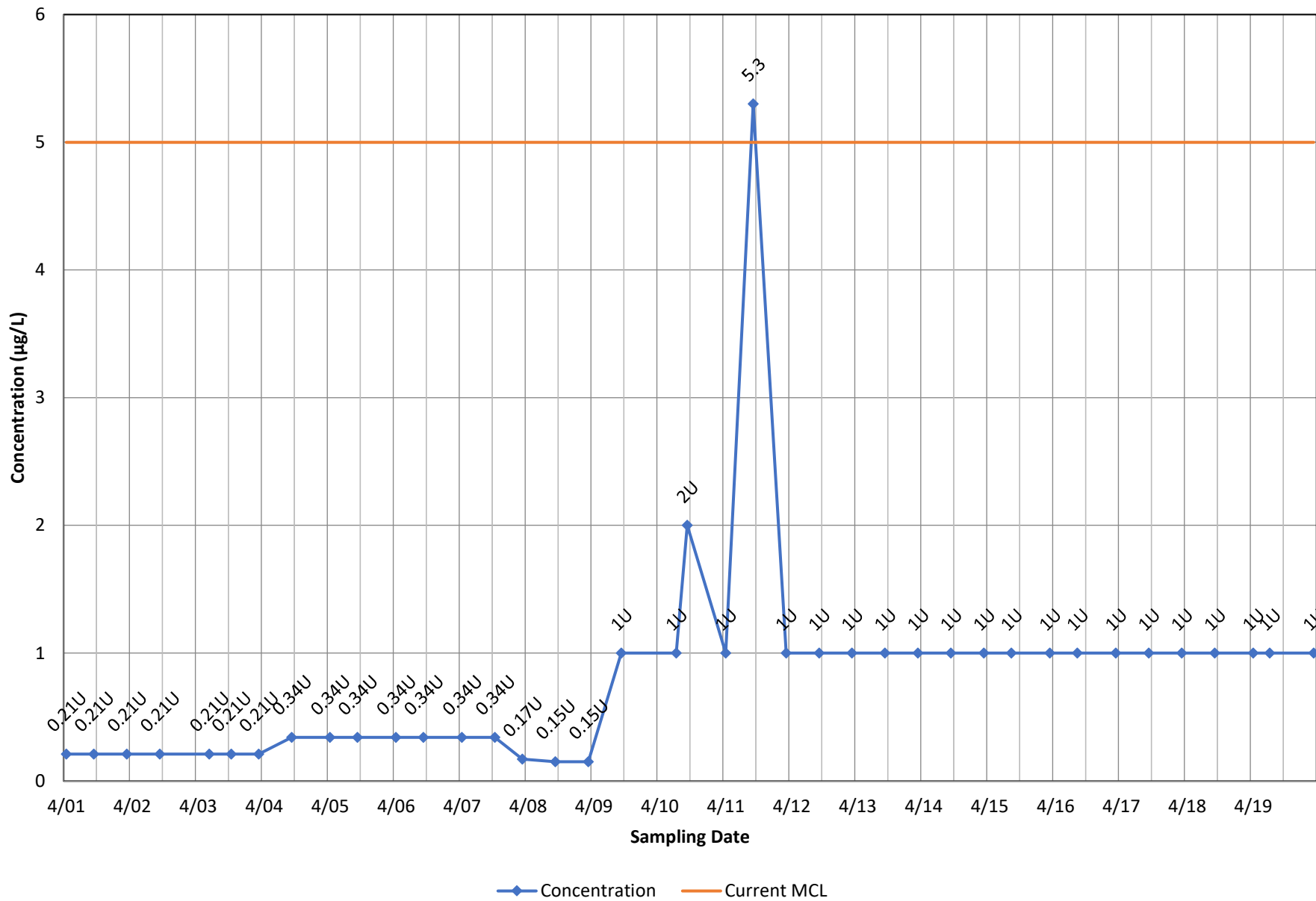
Monitoring Well OB07 - 1,1-Dichloroethene



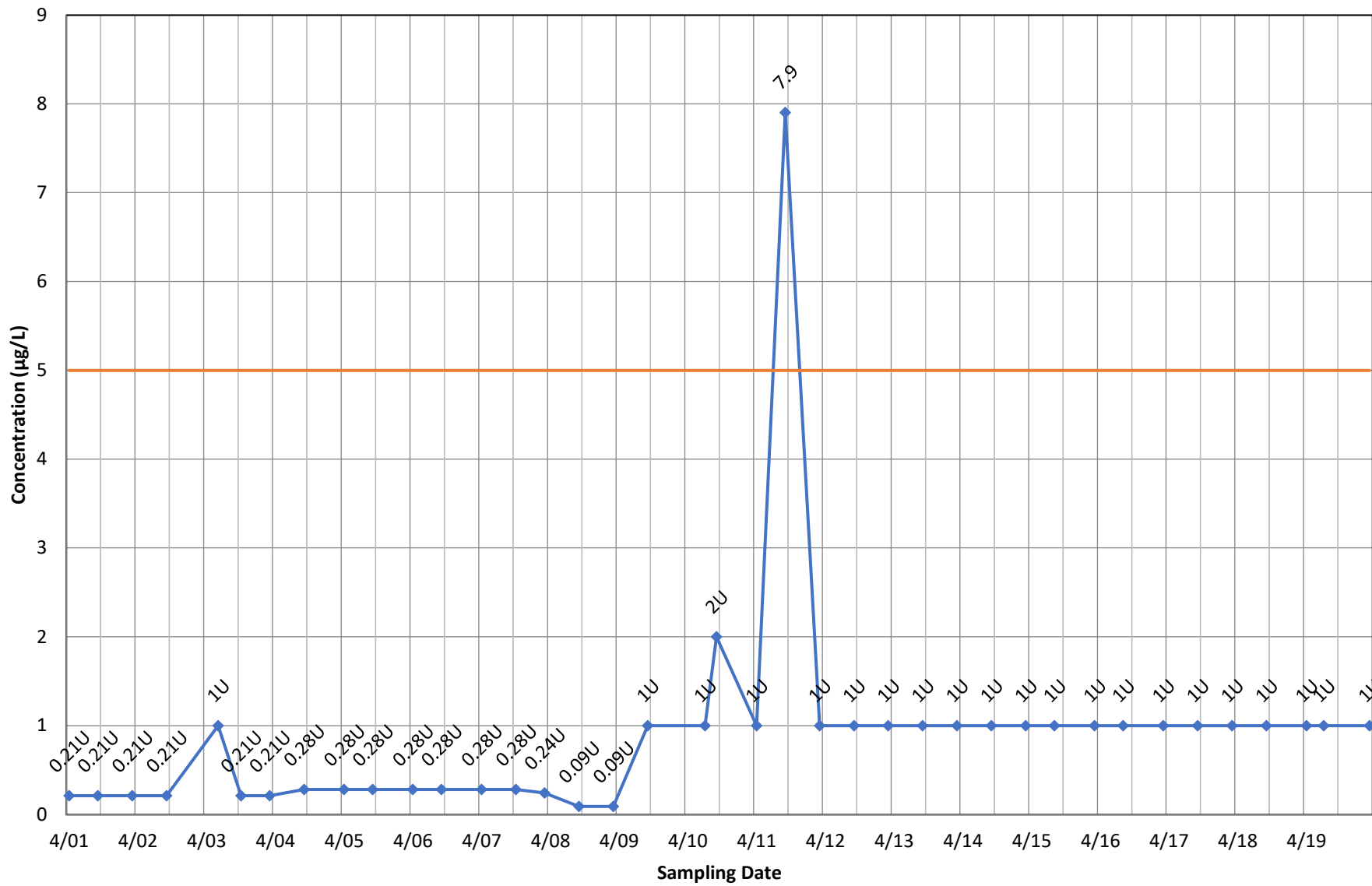
Monitoring Well OB07 - 1,2-Dibromo-3-chloropropane



Monitoring Well OB07 - 1,2-Dichloropropane

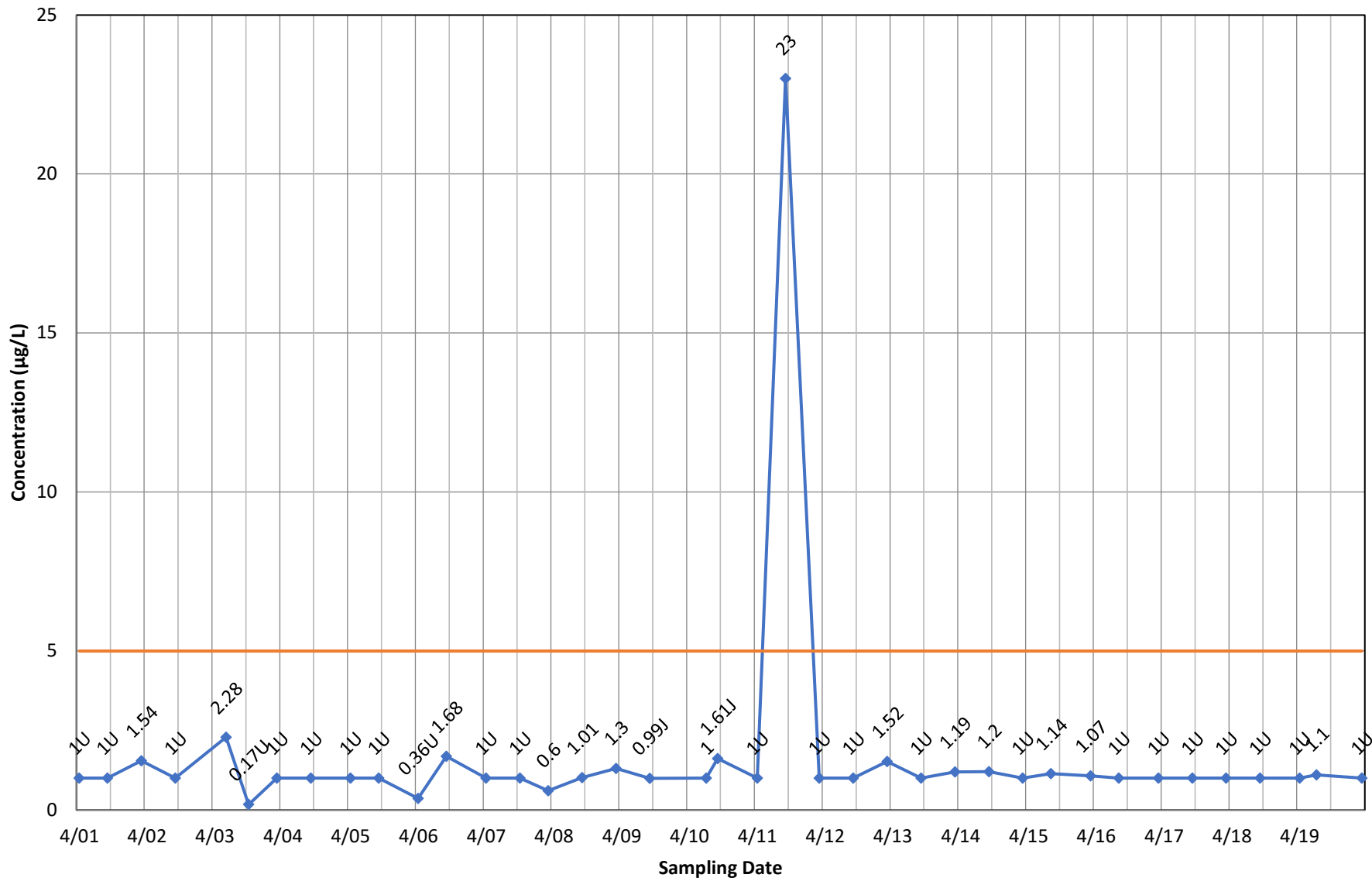


Monitoring Well OB07 - Benzene



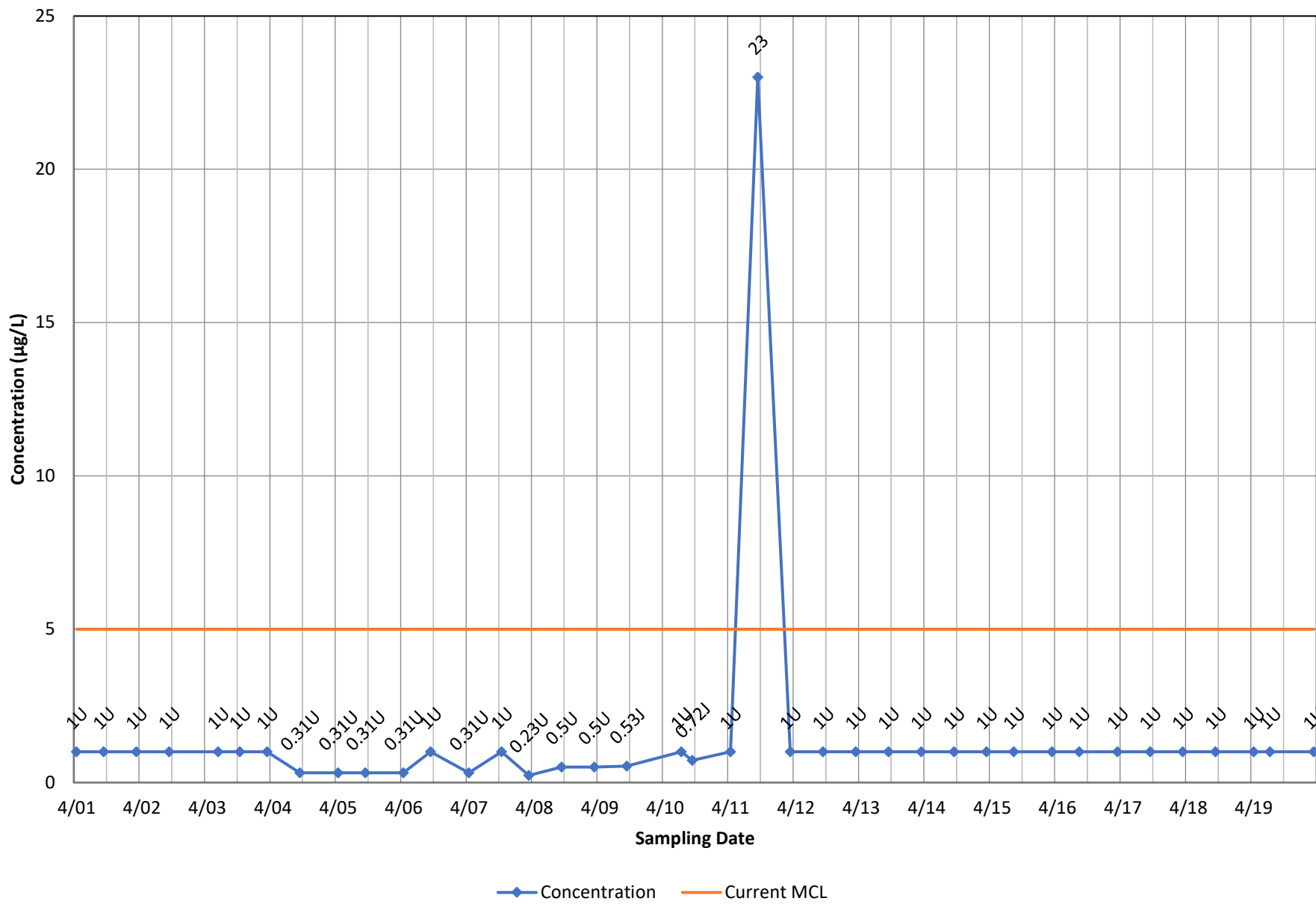
◆ Concentration — Current MCL

Monitoring Well OB07 - Tetrachloroethene

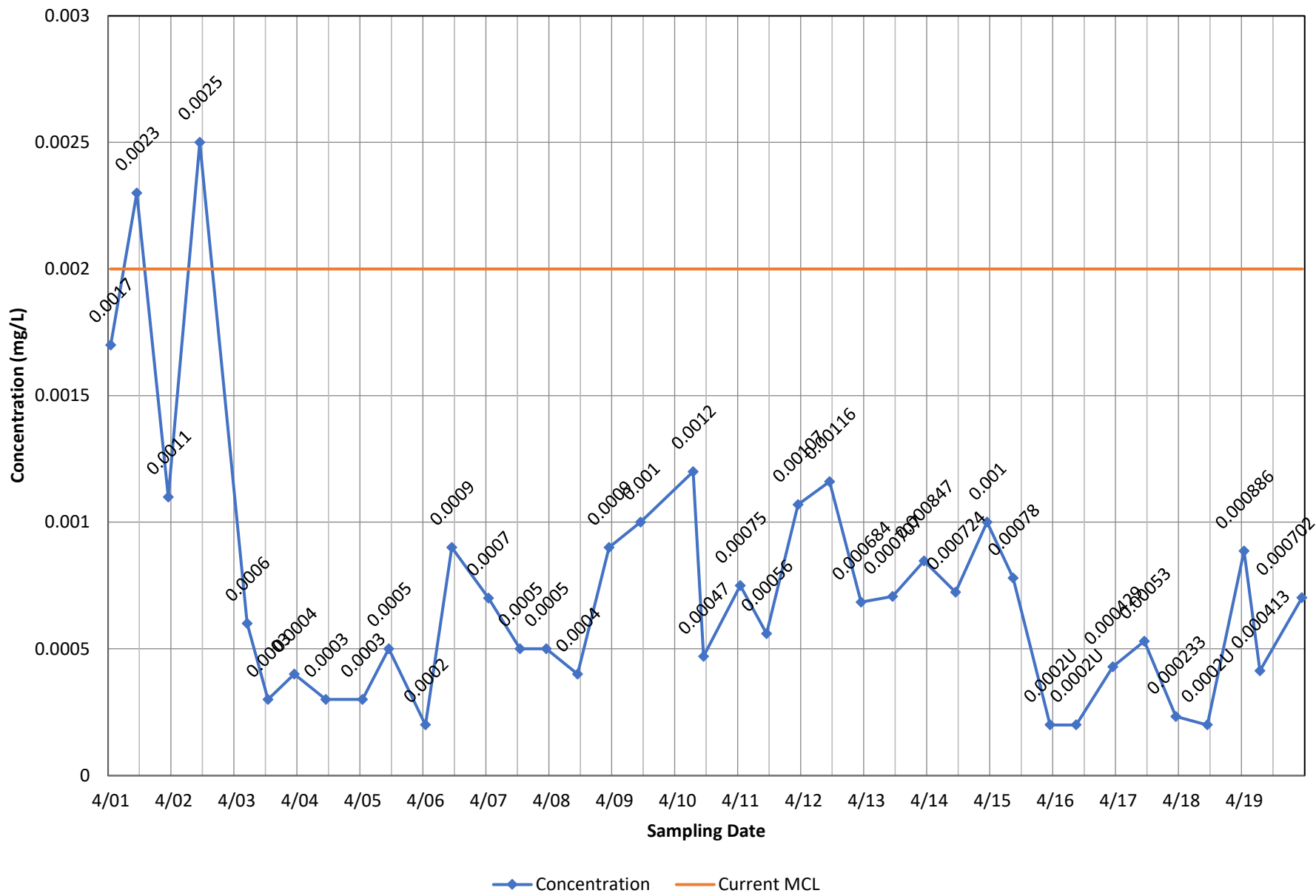


◆ Concentration — Current MCL

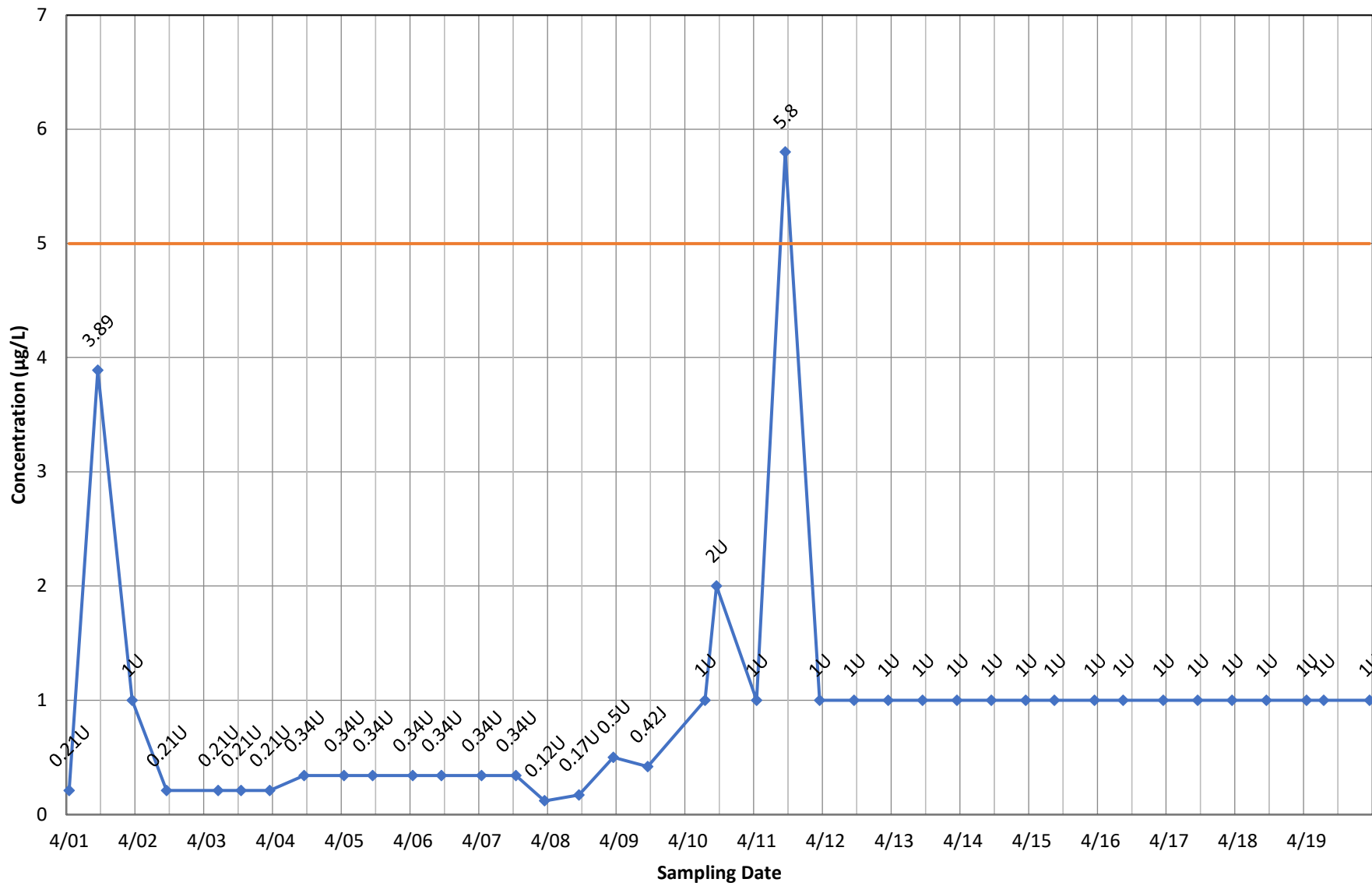
Monitoring Well OB07 - Trichloroethene



Monitoring Well OB07A - Mercury, total

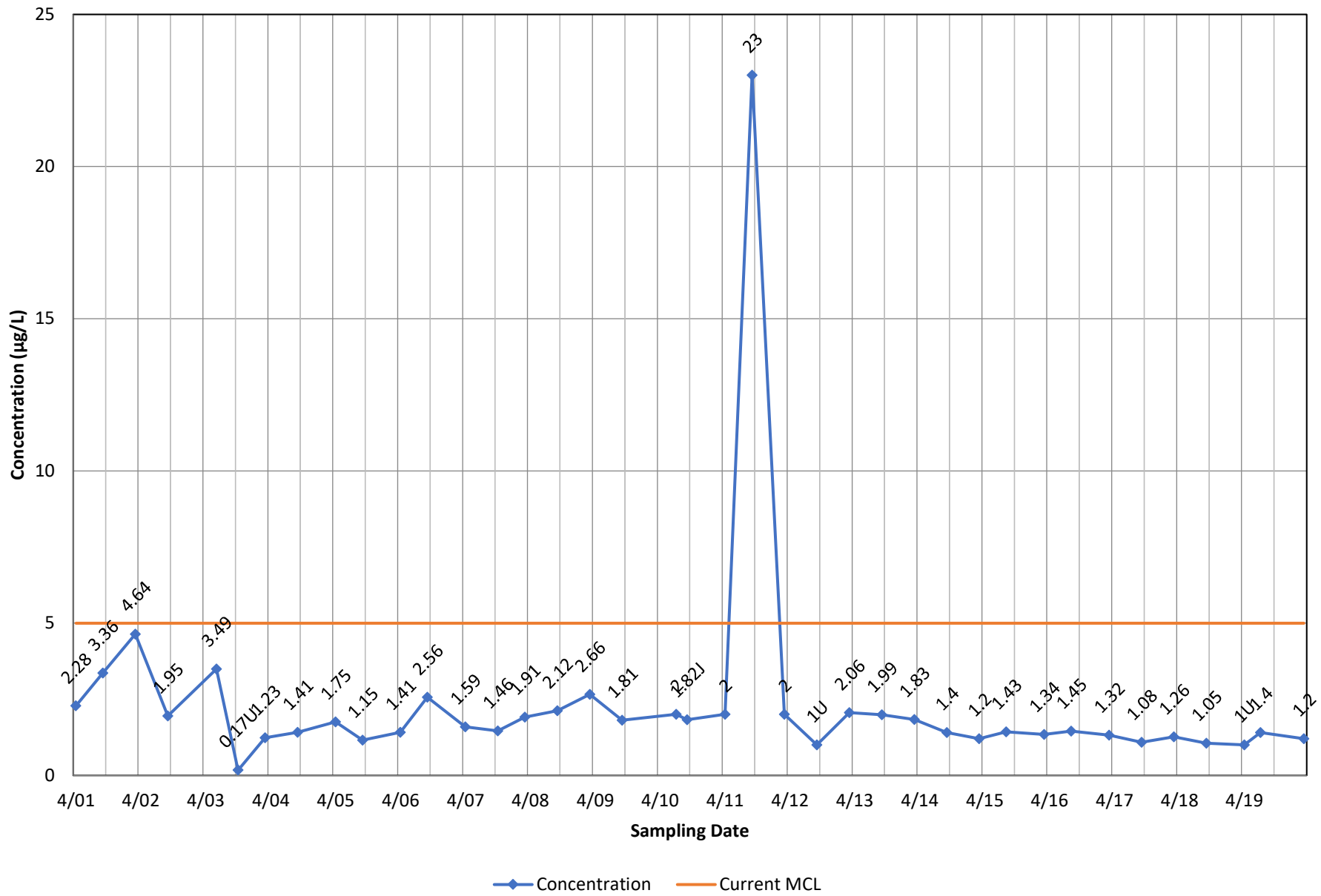


Monitoring Well OB07A - Methylene Chloride

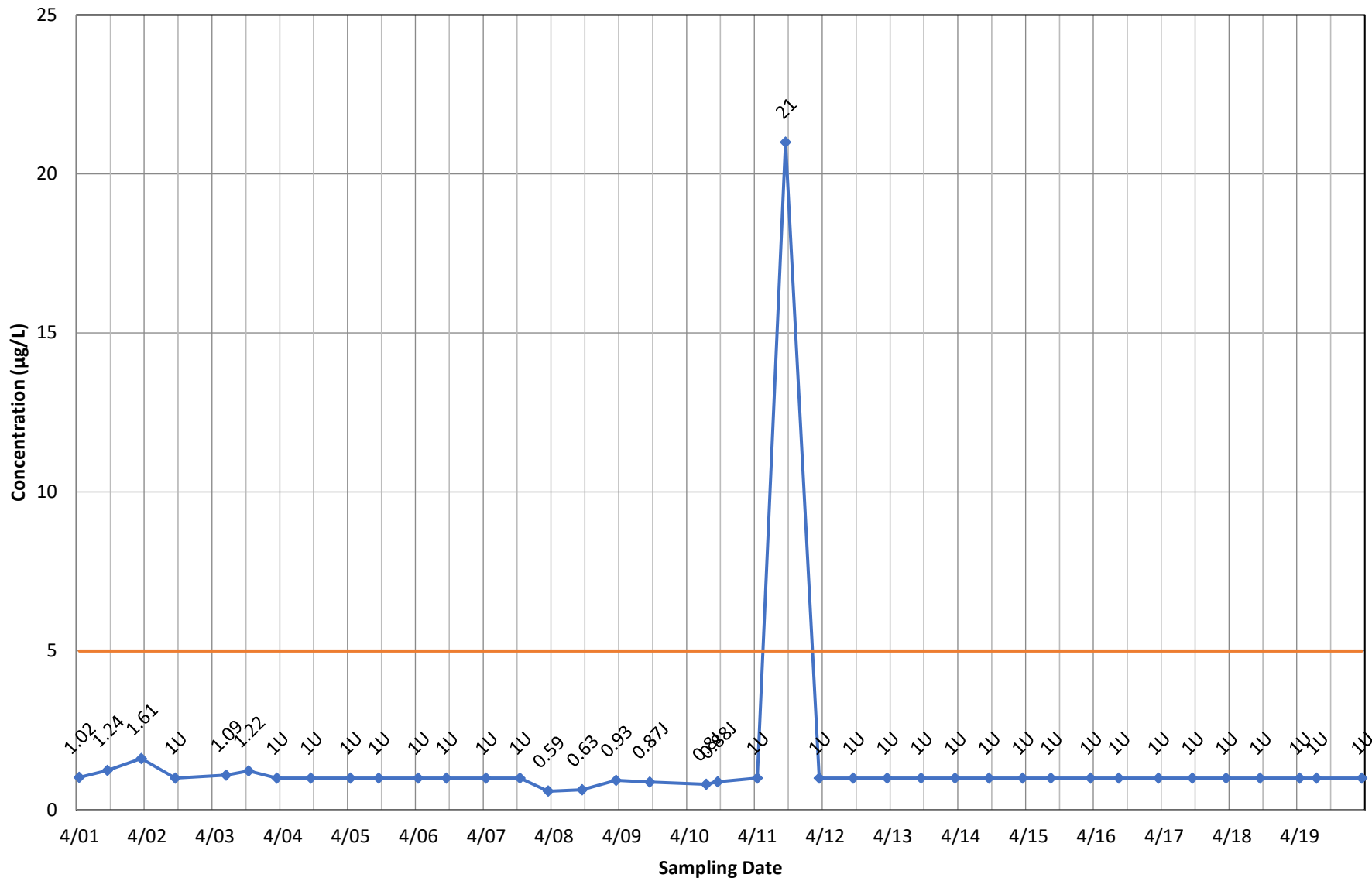


◆ Concentration — Current MCL

Monitoring Well OB07A - Tetrachloroethene

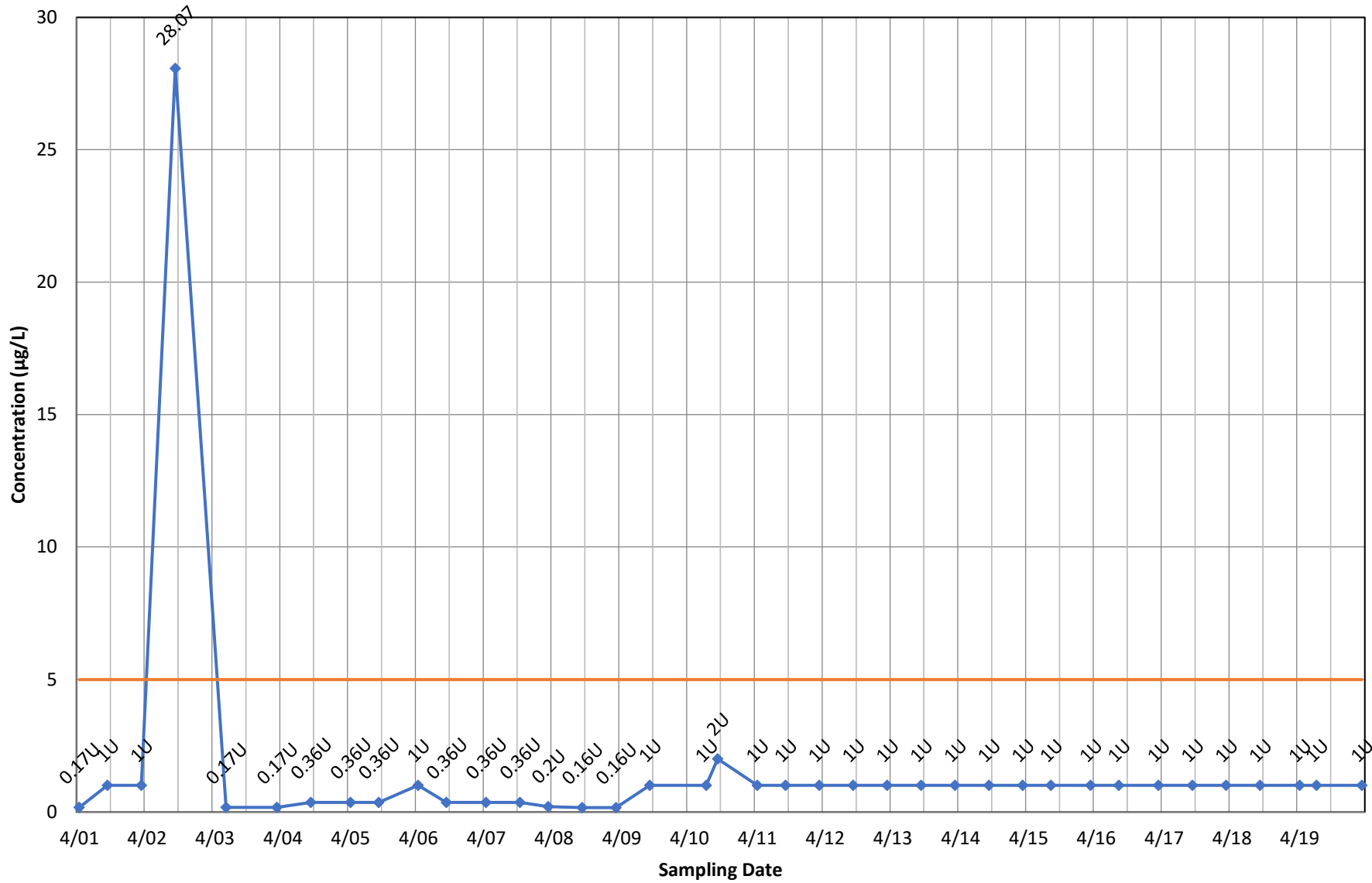


Monitoring Well OB07A - Trichloroethene



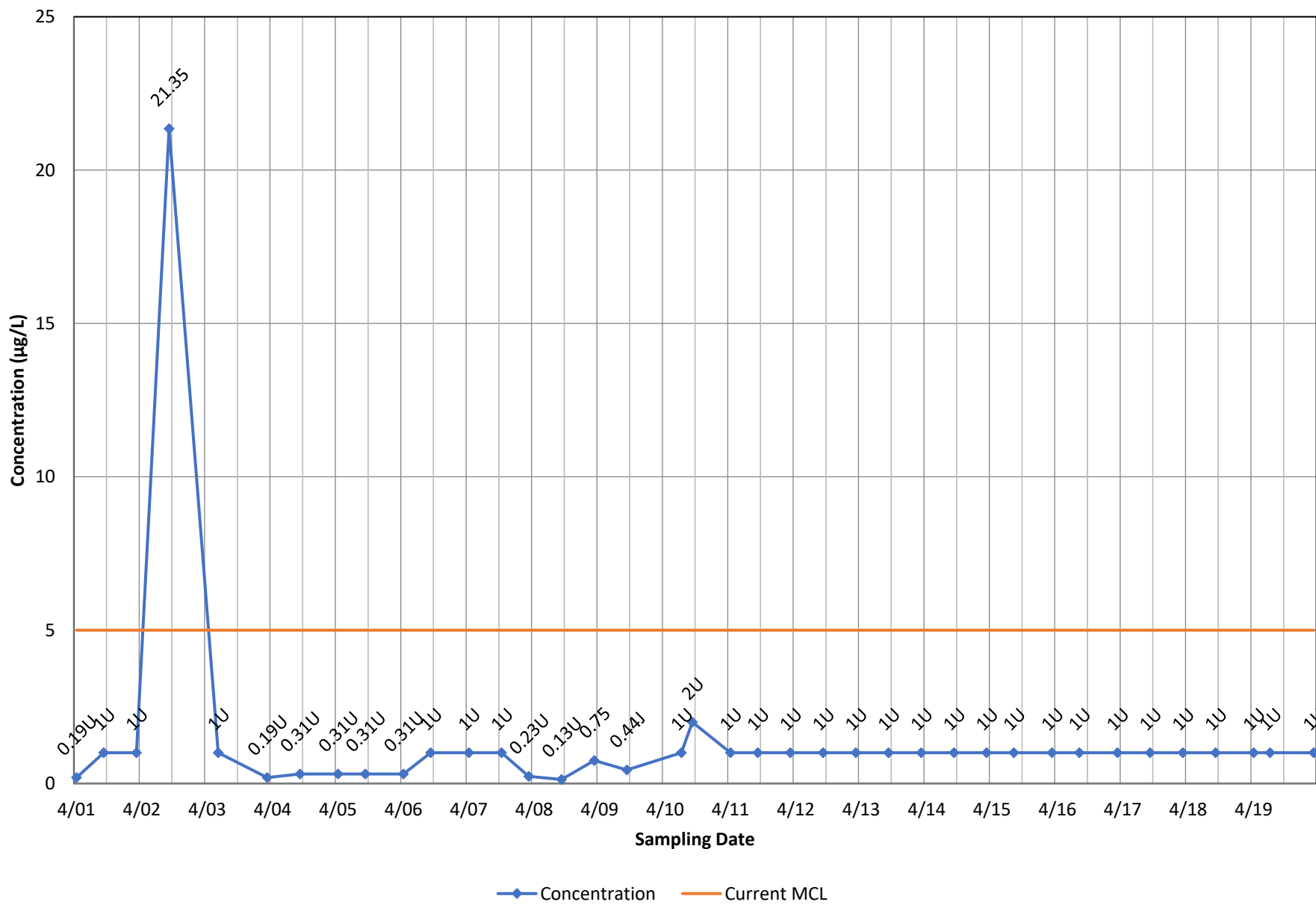
◆ Concentration — Current MCL

Monitoring Well OB08 - Tetrachloroethene

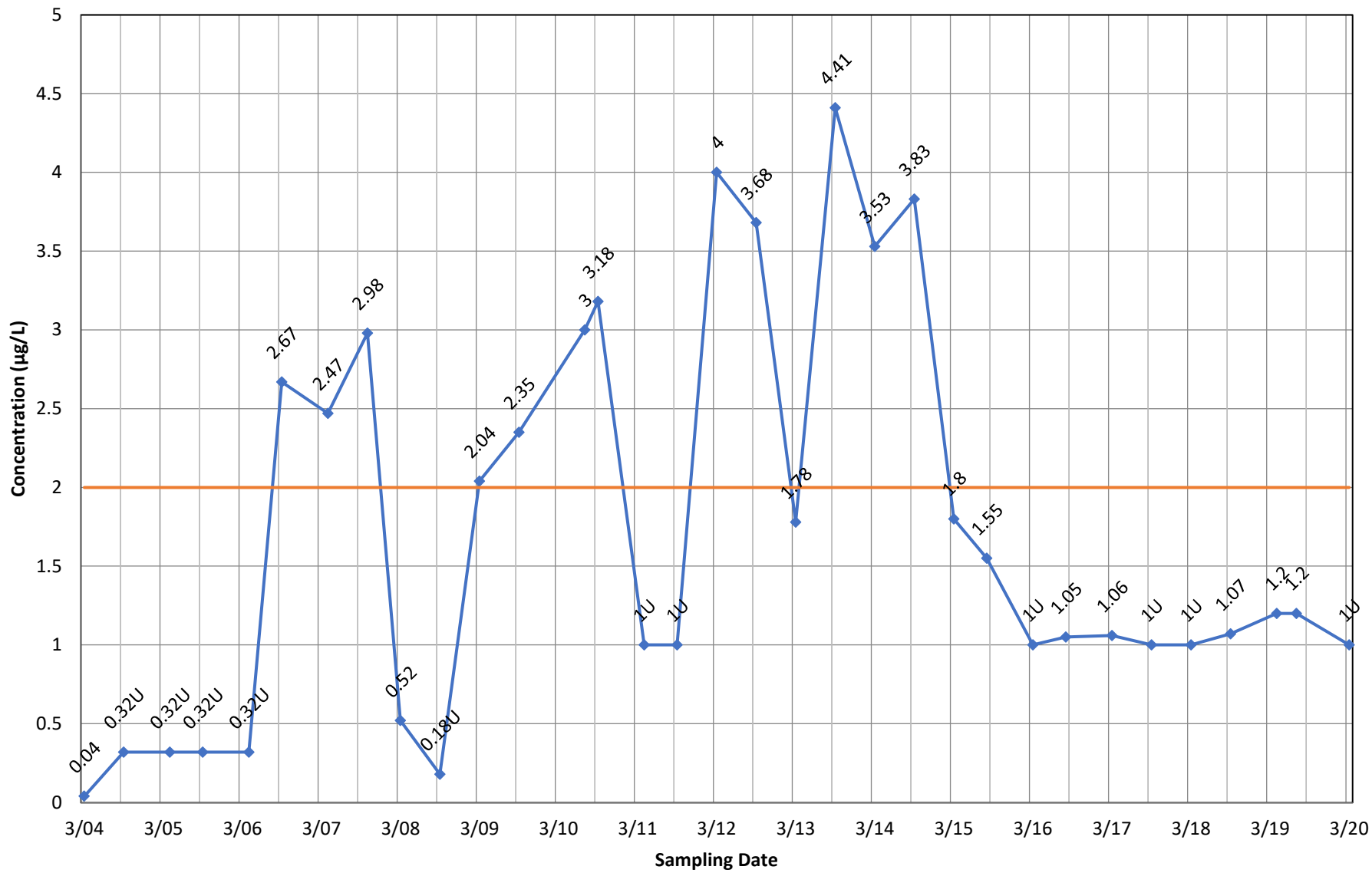


◆ Concentration — Current MCL

Monitoring Well OB08 - Trichloroethene

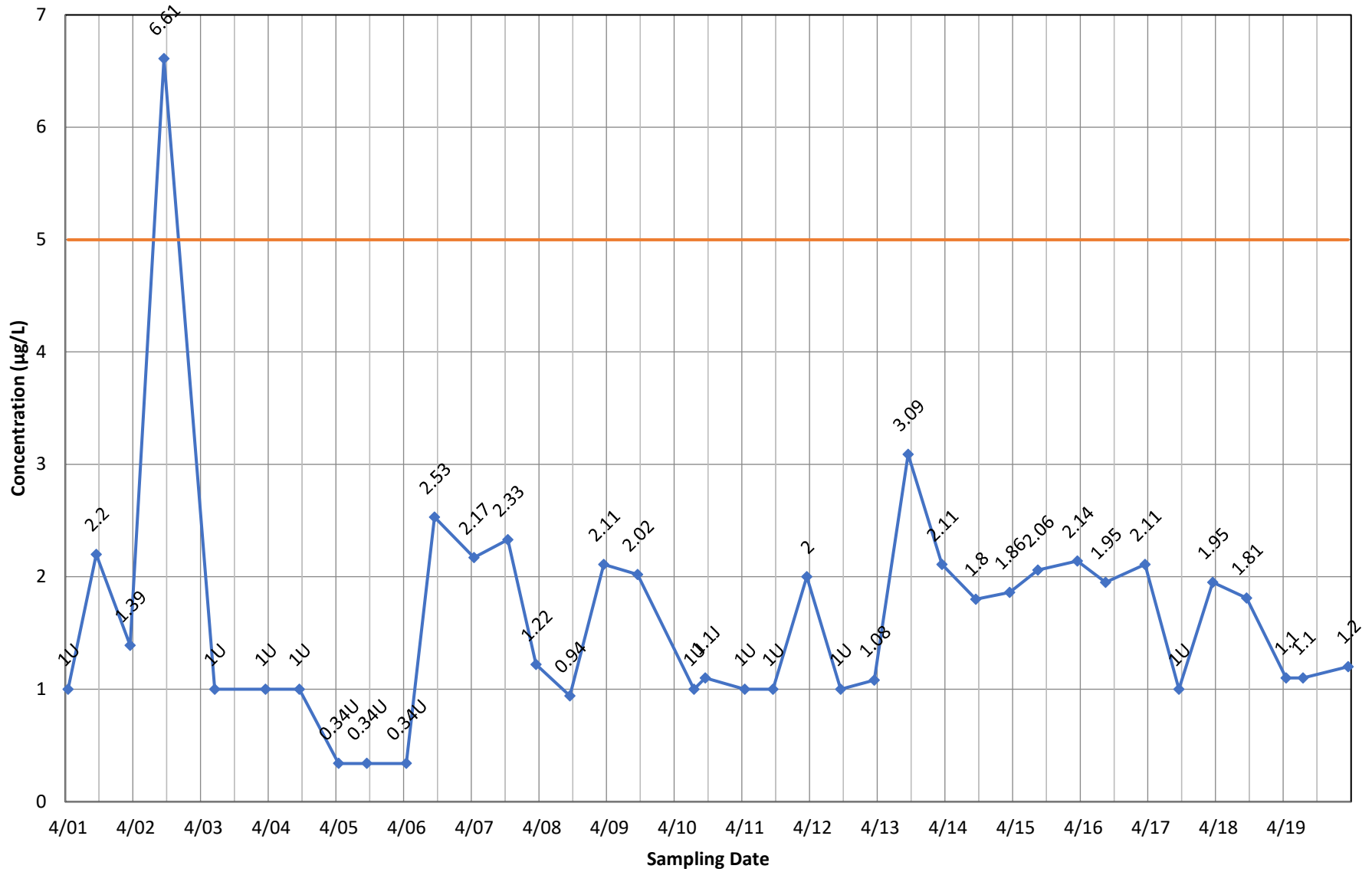


Monitoring Well OB08 - Vinyl Chloride



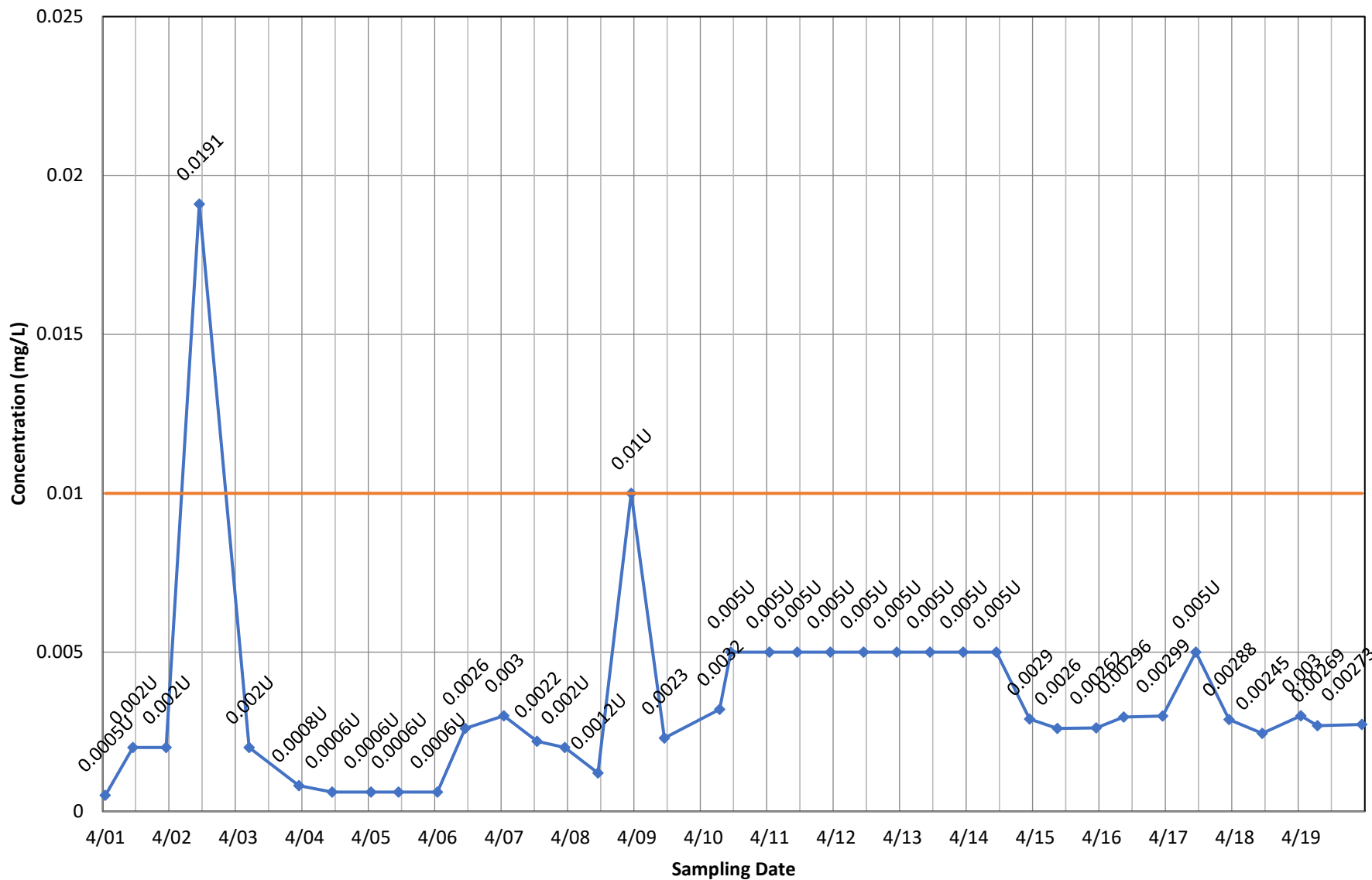
◆ Concentration — Current MCL

Monitoring Well OB08A - 1,2-Dichloropropane



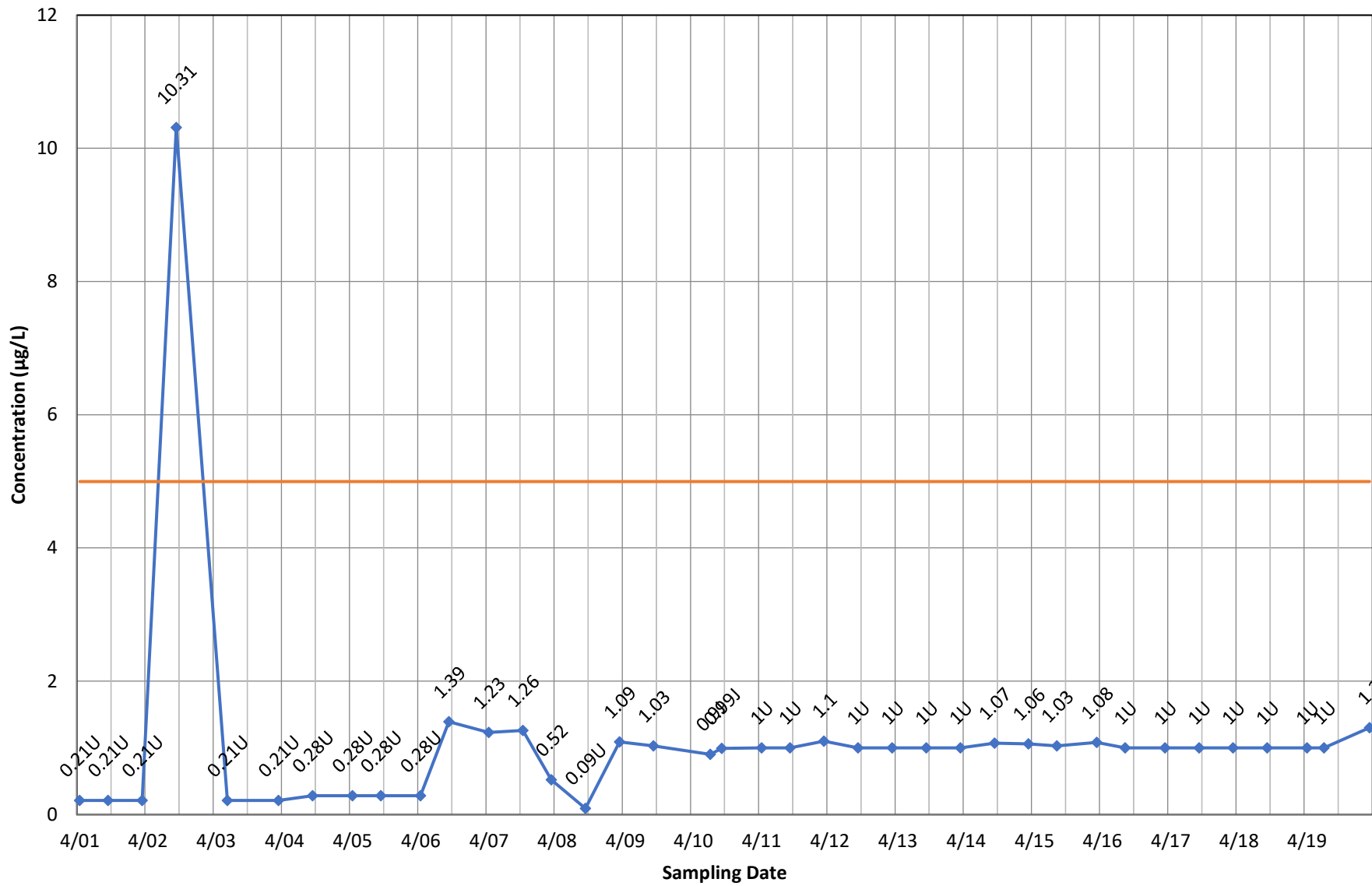
◆ Concentration — Current MCL

Monitoring Well OB08A - Arsenic, total



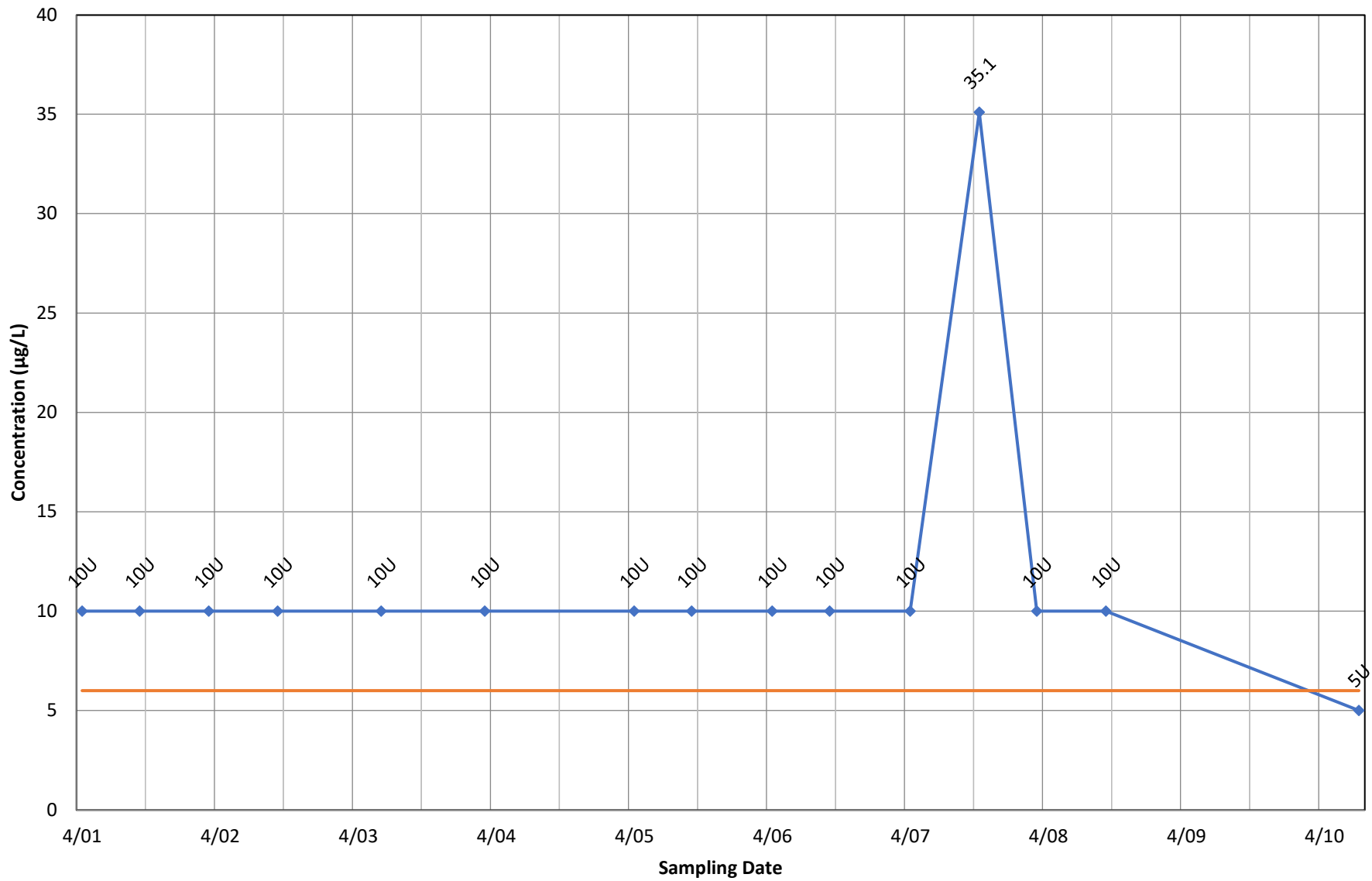
◆ Concentration — Current MCL

Monitoring Well OB08A - Benzene



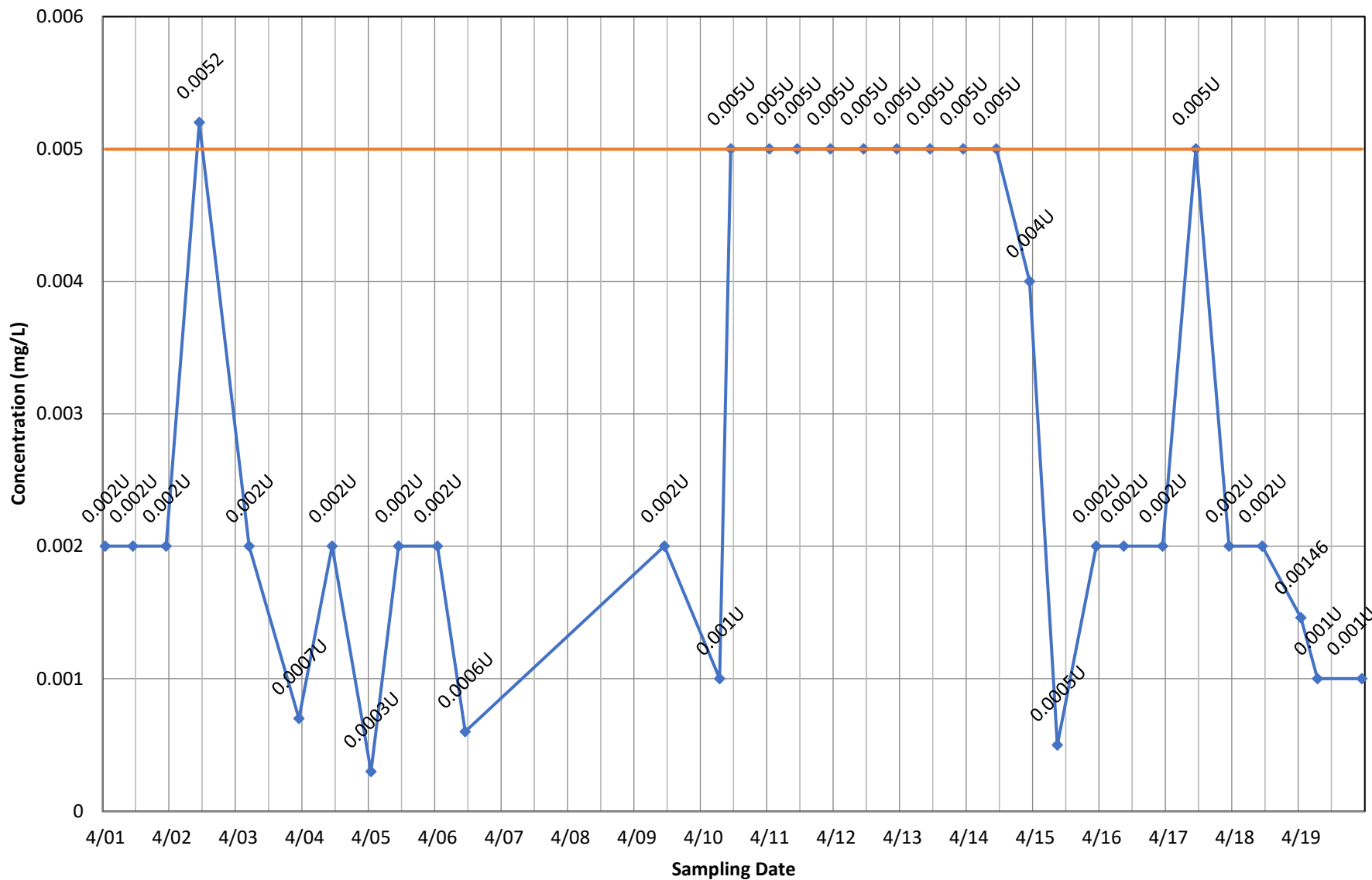
◆ Concentration — Current MCL

Monitoring Well OB08A - Bis(2-Ethylhexyl) Phthalate



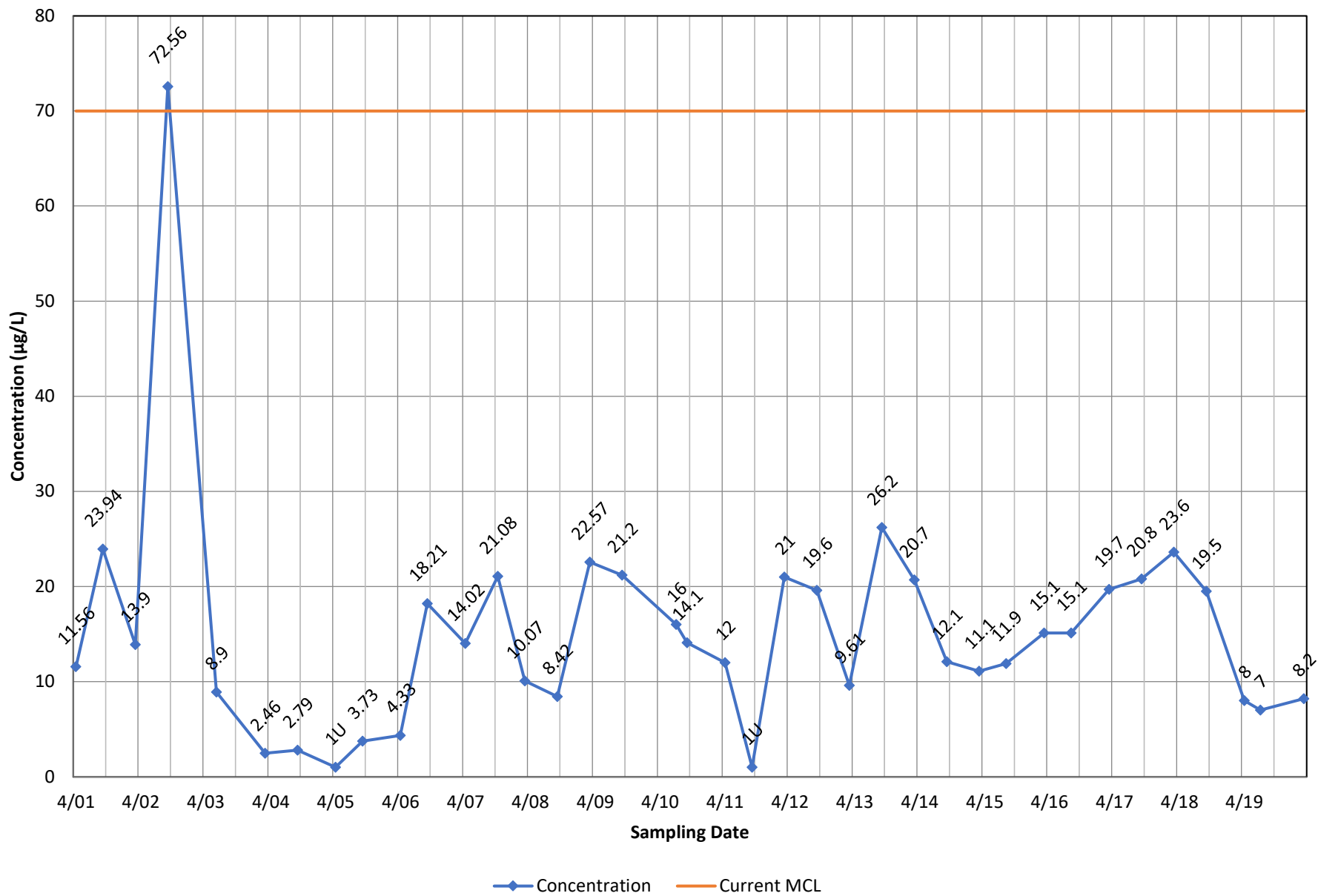
◆ Concentration — Current MCL

Monitoring Well OB08A - Cadmium, total

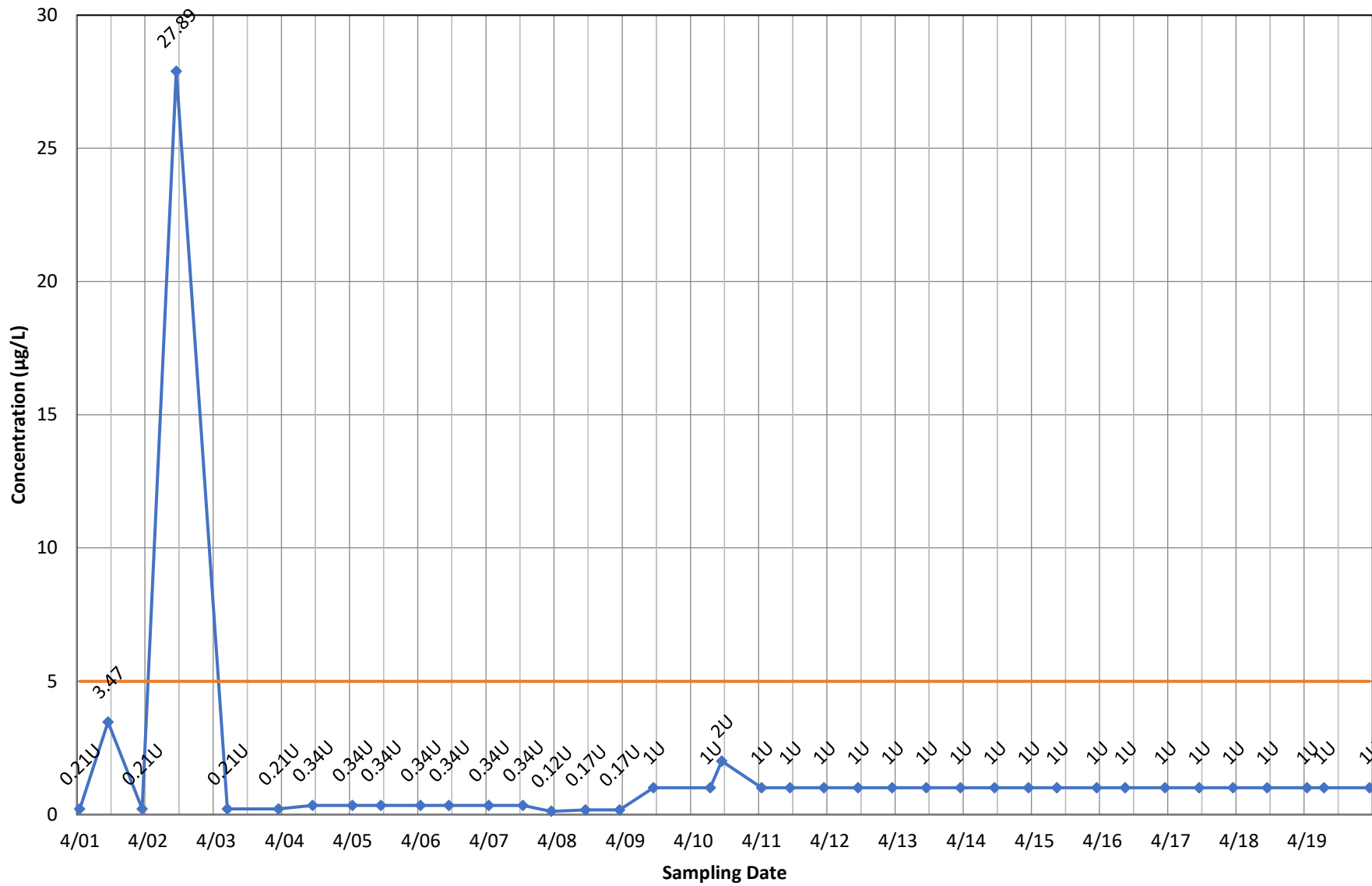


◆ Concentration — Current MCL

Monitoring Well OB08A - cis-1,2-Dichloroethene

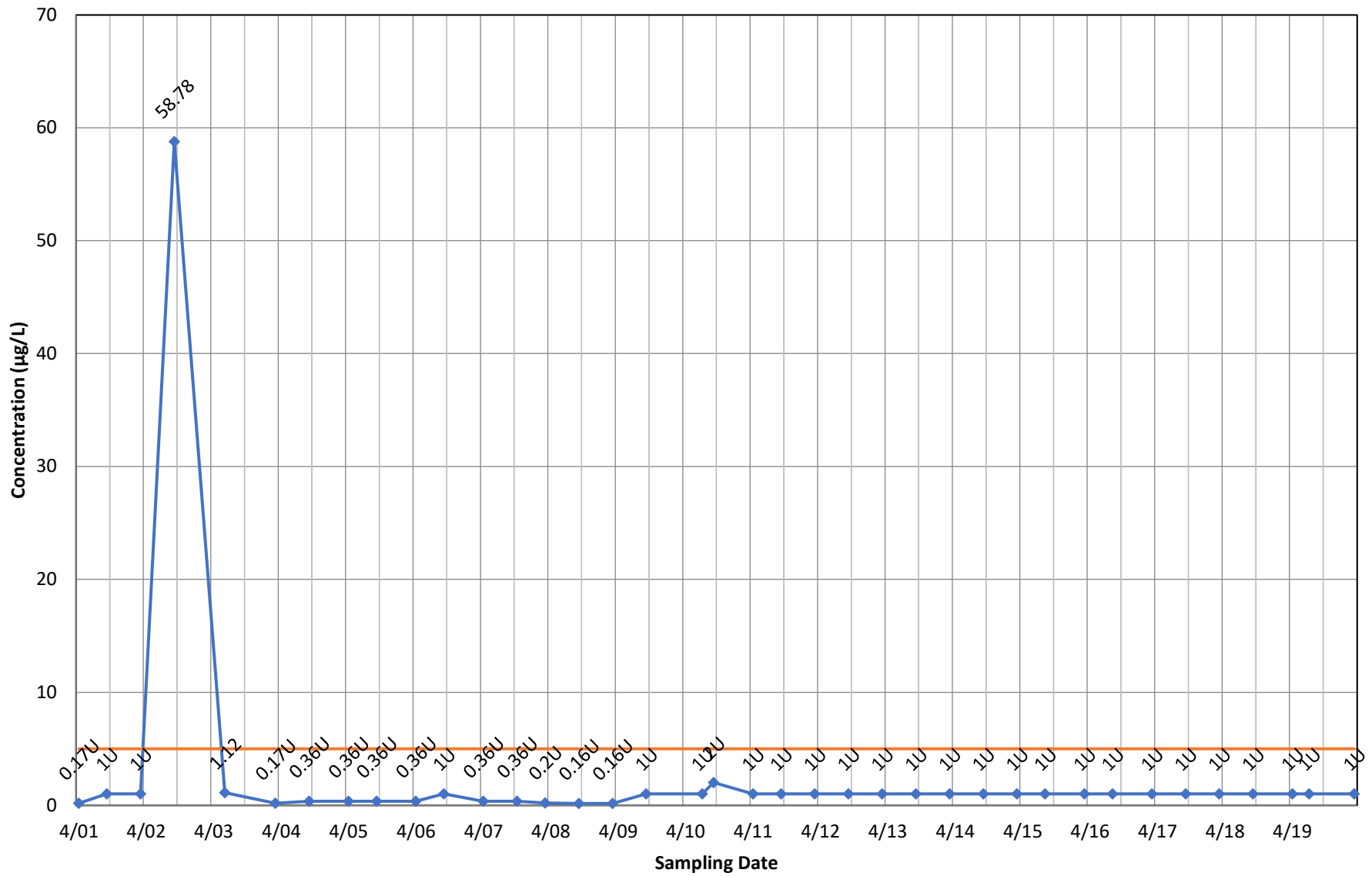


Monitoring Well OB08A - Methylene Chloride



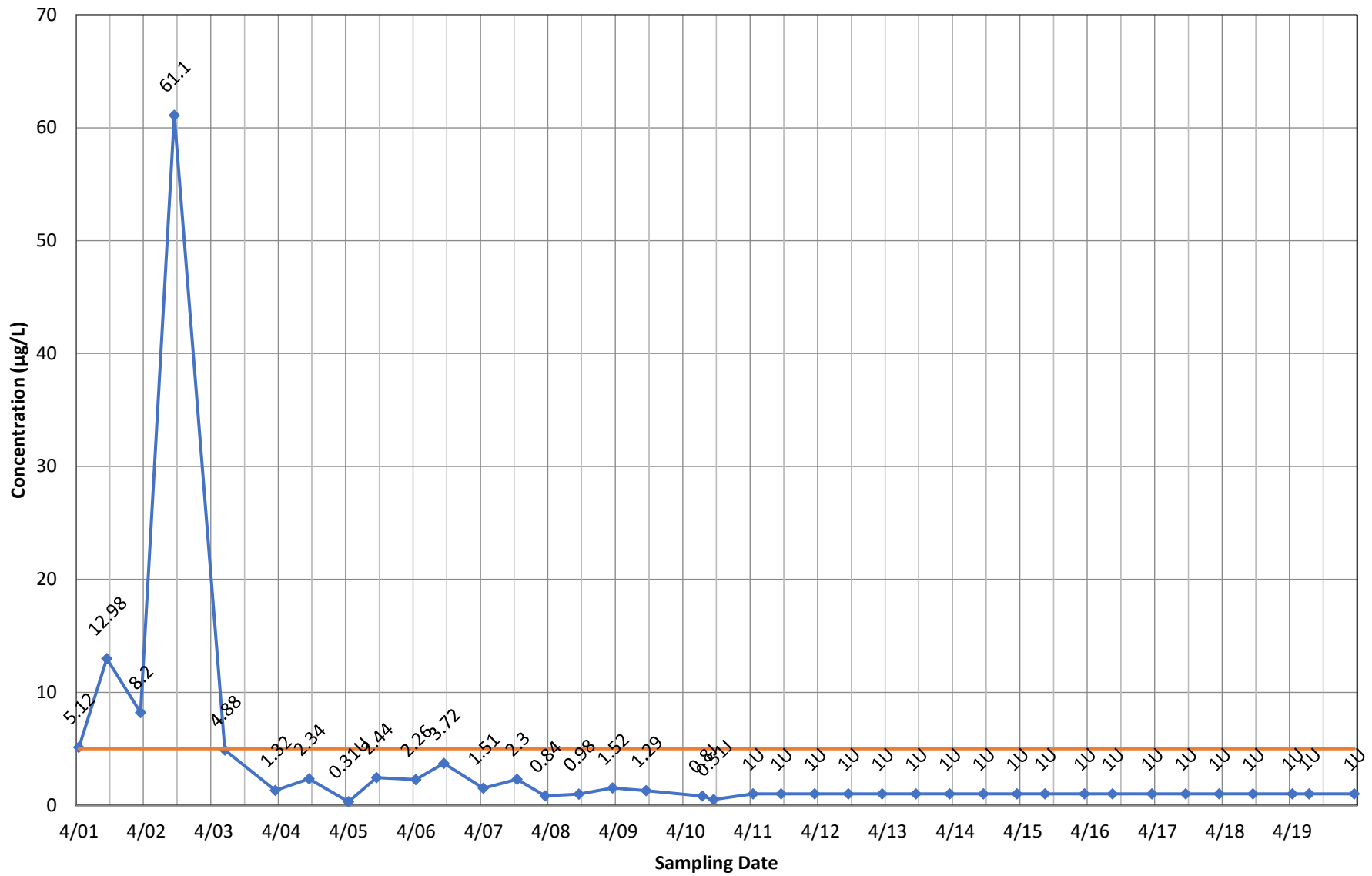
◆ Concentration — Current MCL

Monitoring Well OB08A - Tetrachloroethene



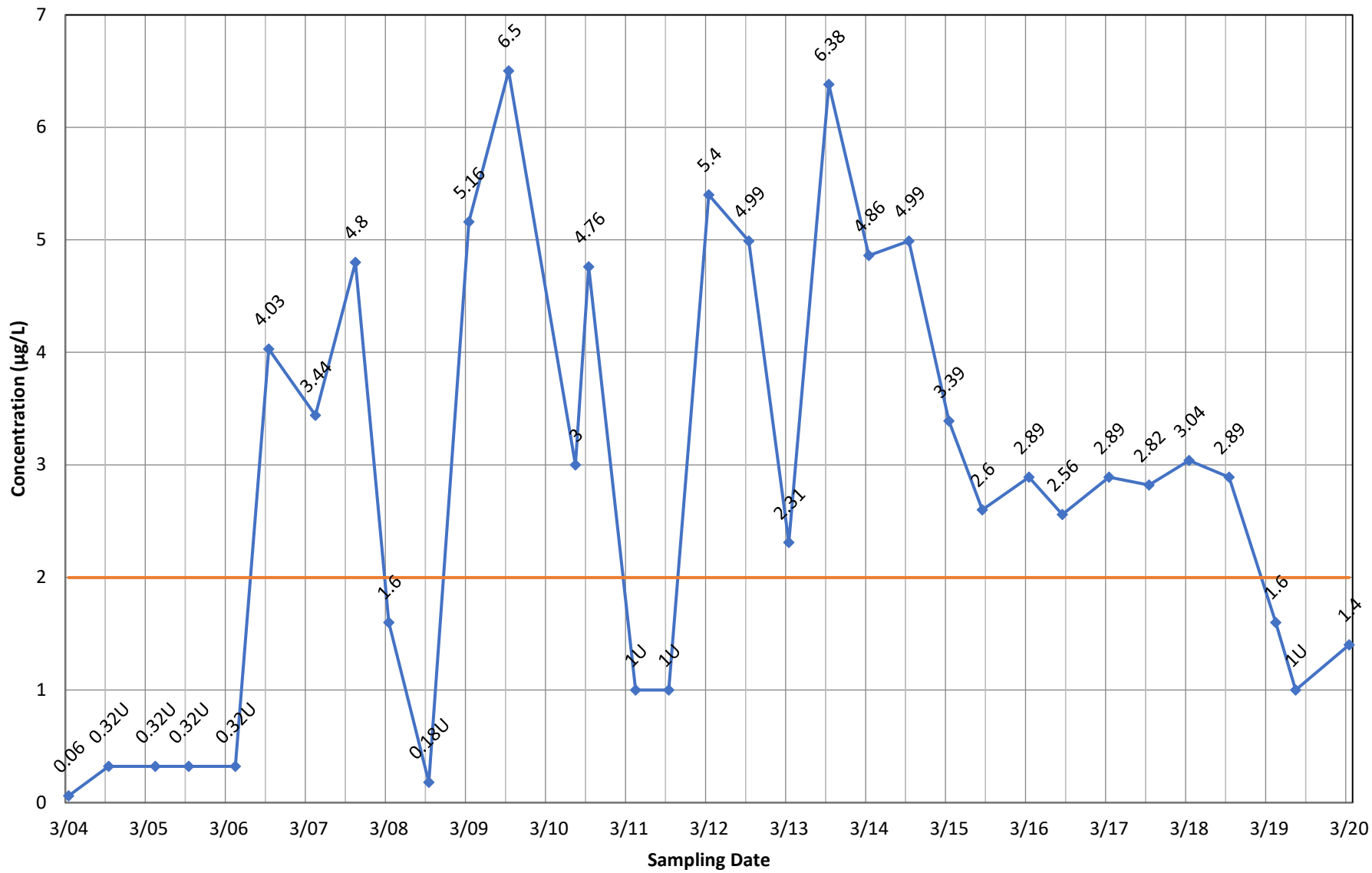
◆ Concentration — Current MCL

Monitoring Well OB08A - Trichloroethene



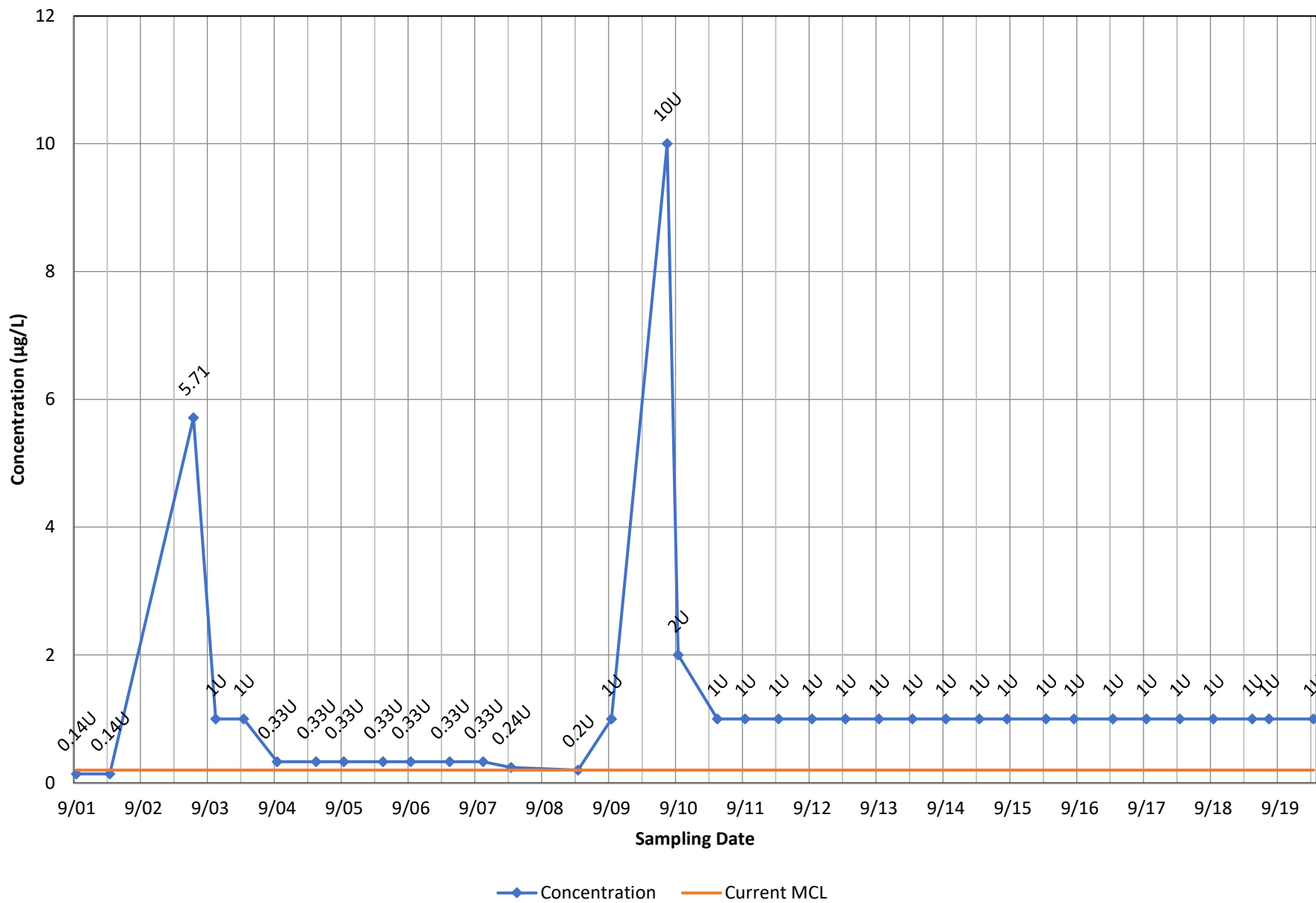
◆ Concentration — Current MCL

Monitoring Well OB08A - Vinyl Chloride

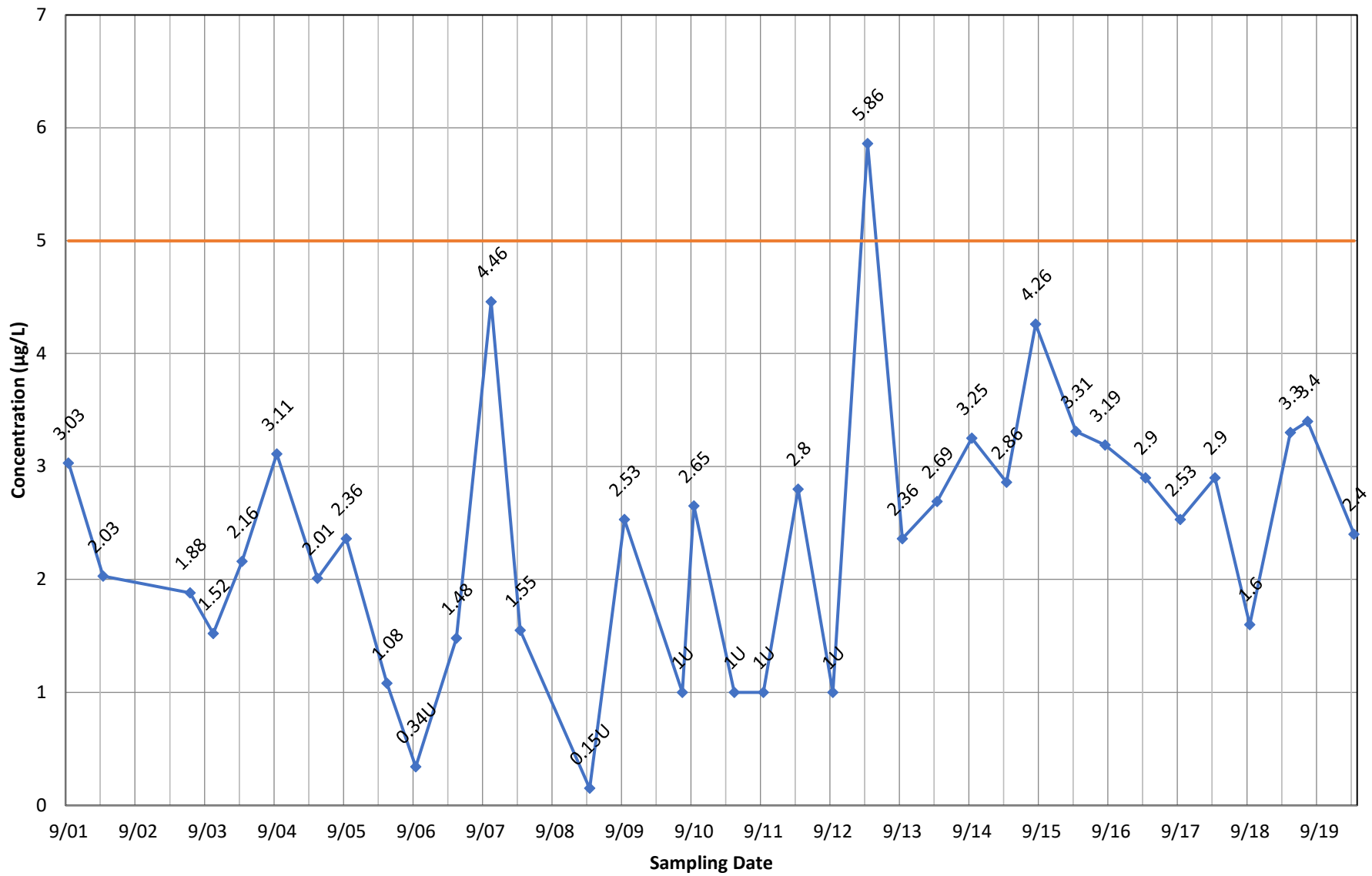


◆ Concentration — Current MCL

Monitoring Well OB10 - 1,2-Dibromo-3-chloropropane

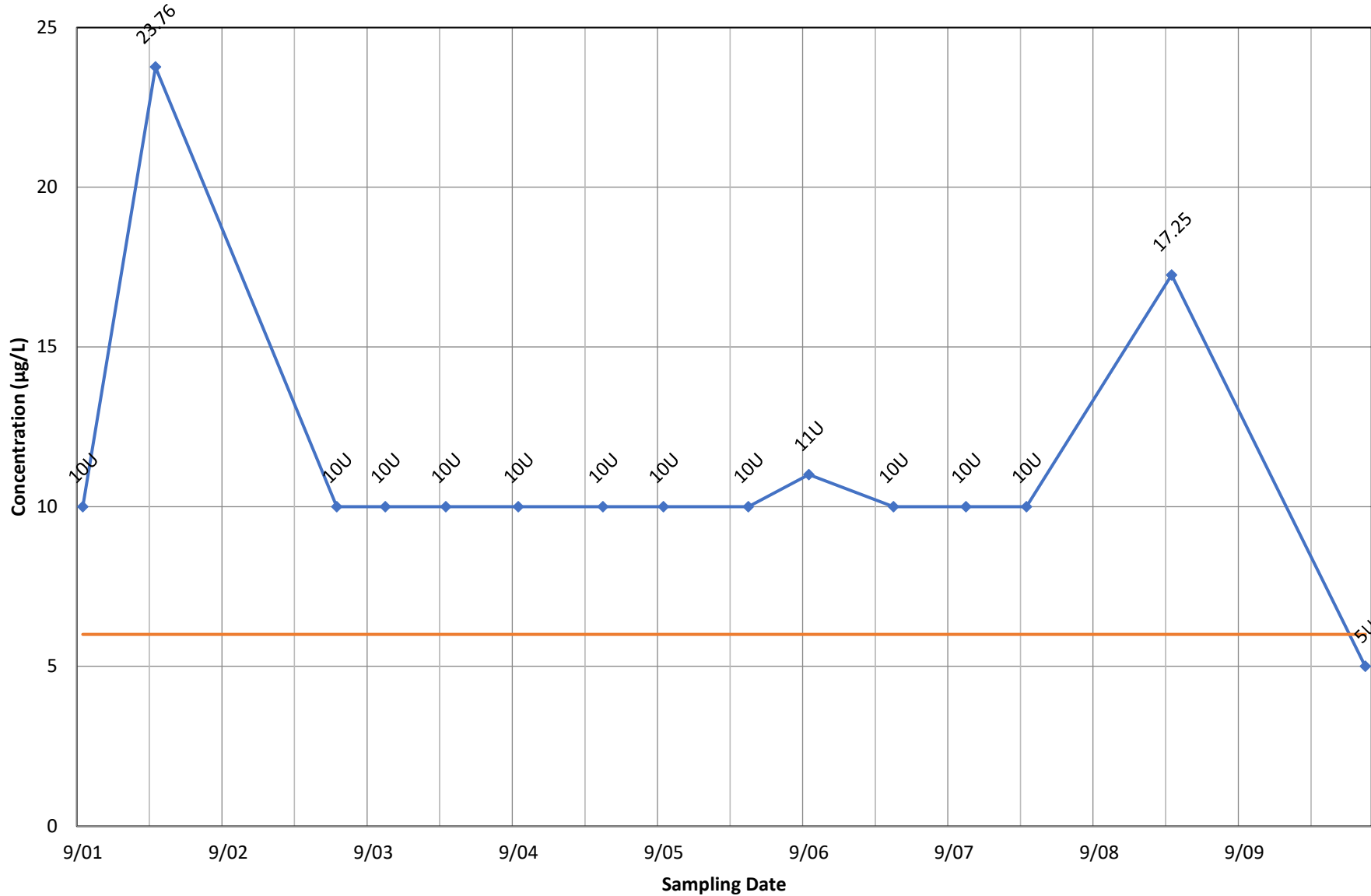


Monitoring Well OB10 - 1,2-Dichloropropane



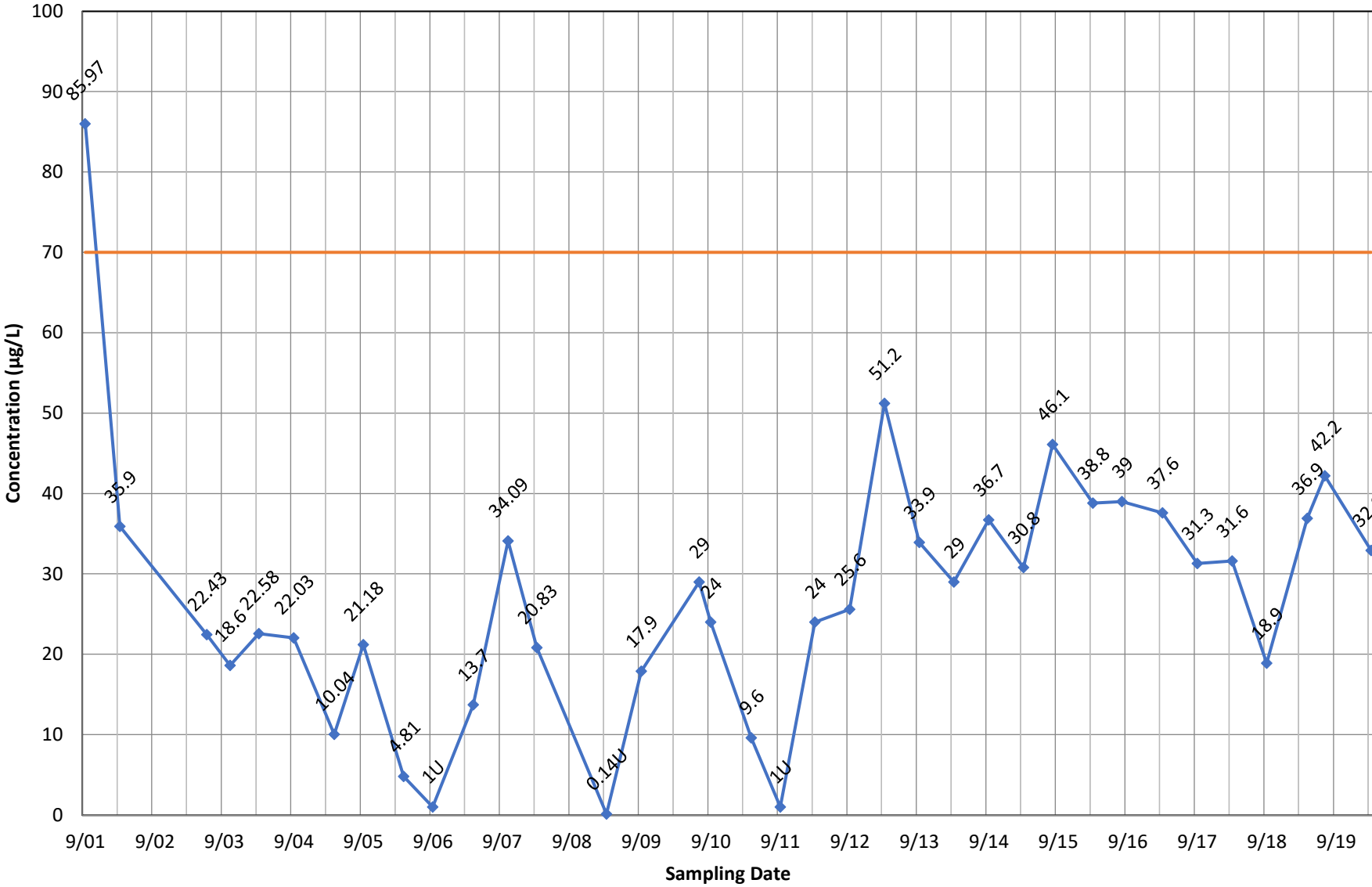
◆ Concentration — Current MCL

Monitoring Well OB10 - Bis(2-Ethylhexyl) Phthalate



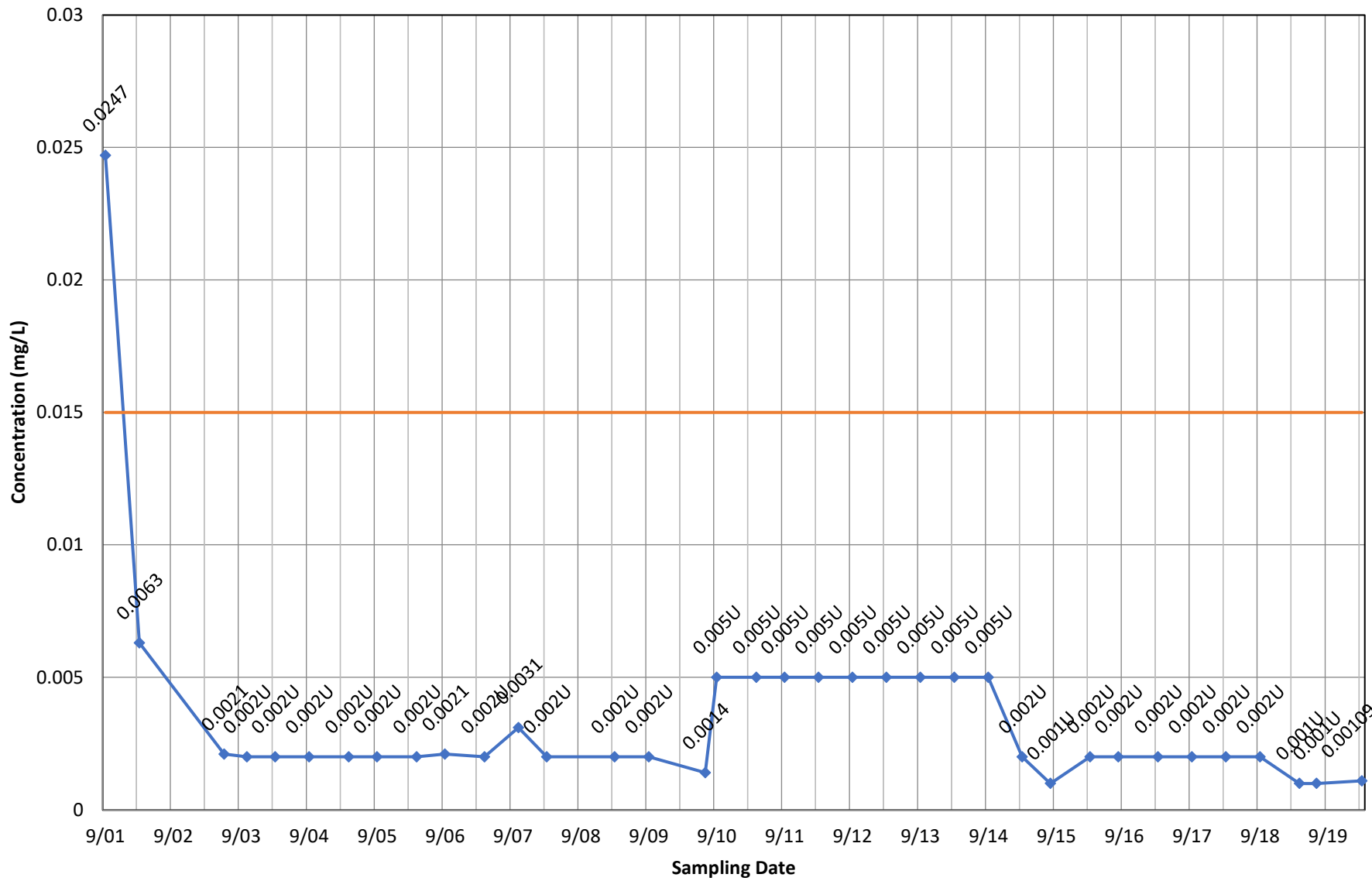
◆ Concentration — Current MCL

Monitoring Well OB10 - cis-1,2-Dichloroethene



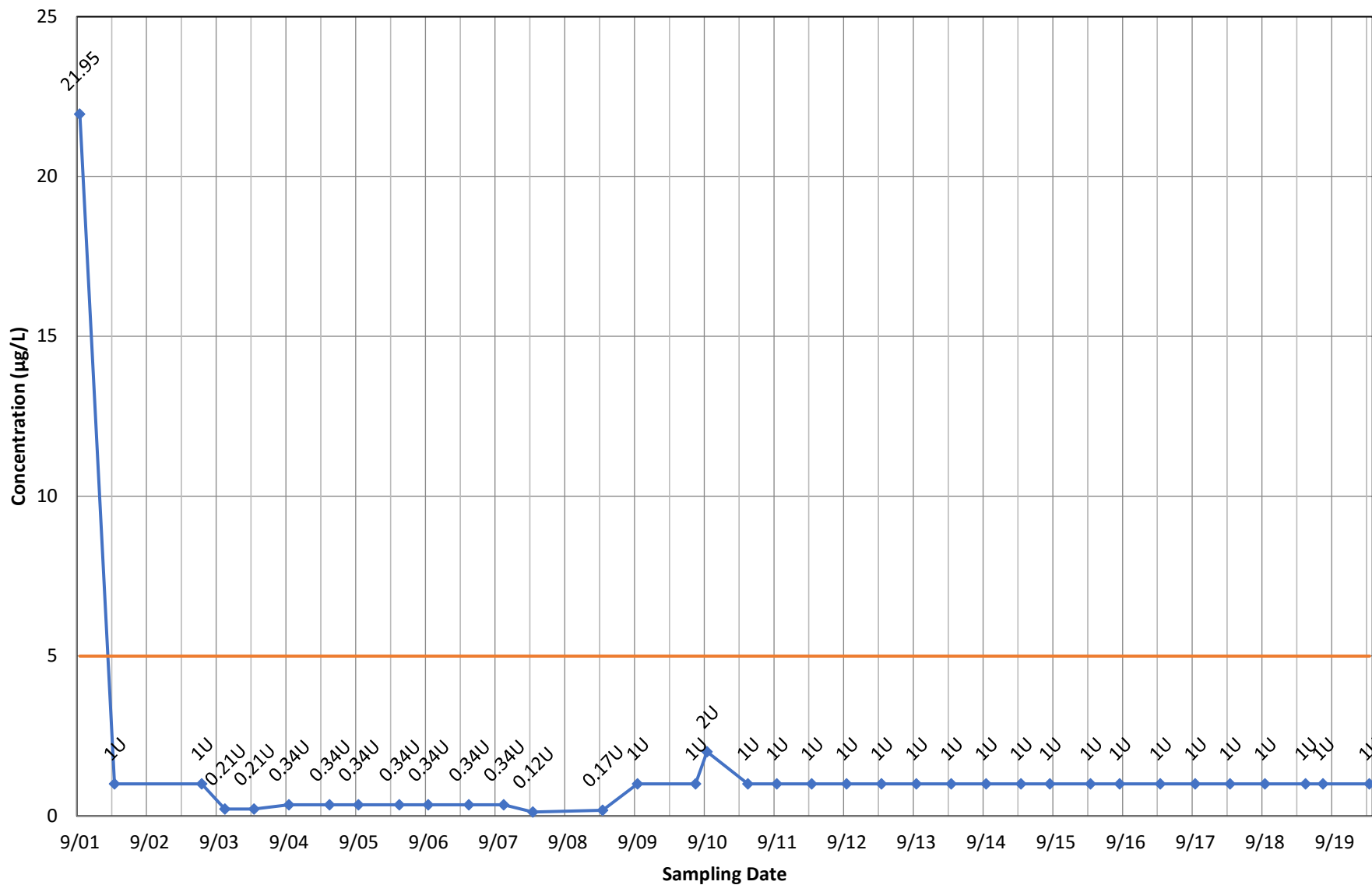
◆ Concentration — Current MCL

Monitoring Well OB10 - Lead, total



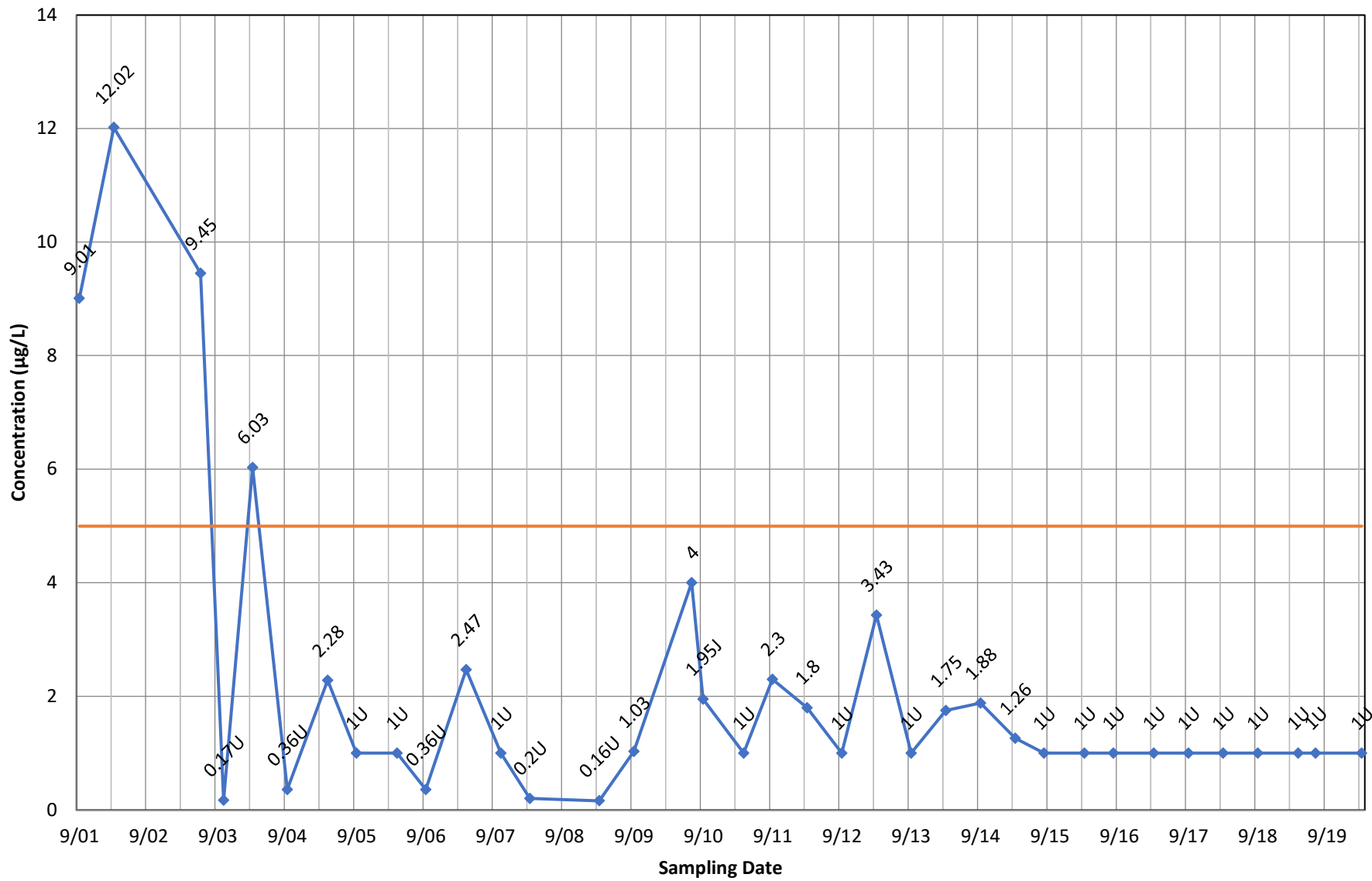
◆ Concentration — Current MCL

Monitoring Well OB10 - Methylene Chloride



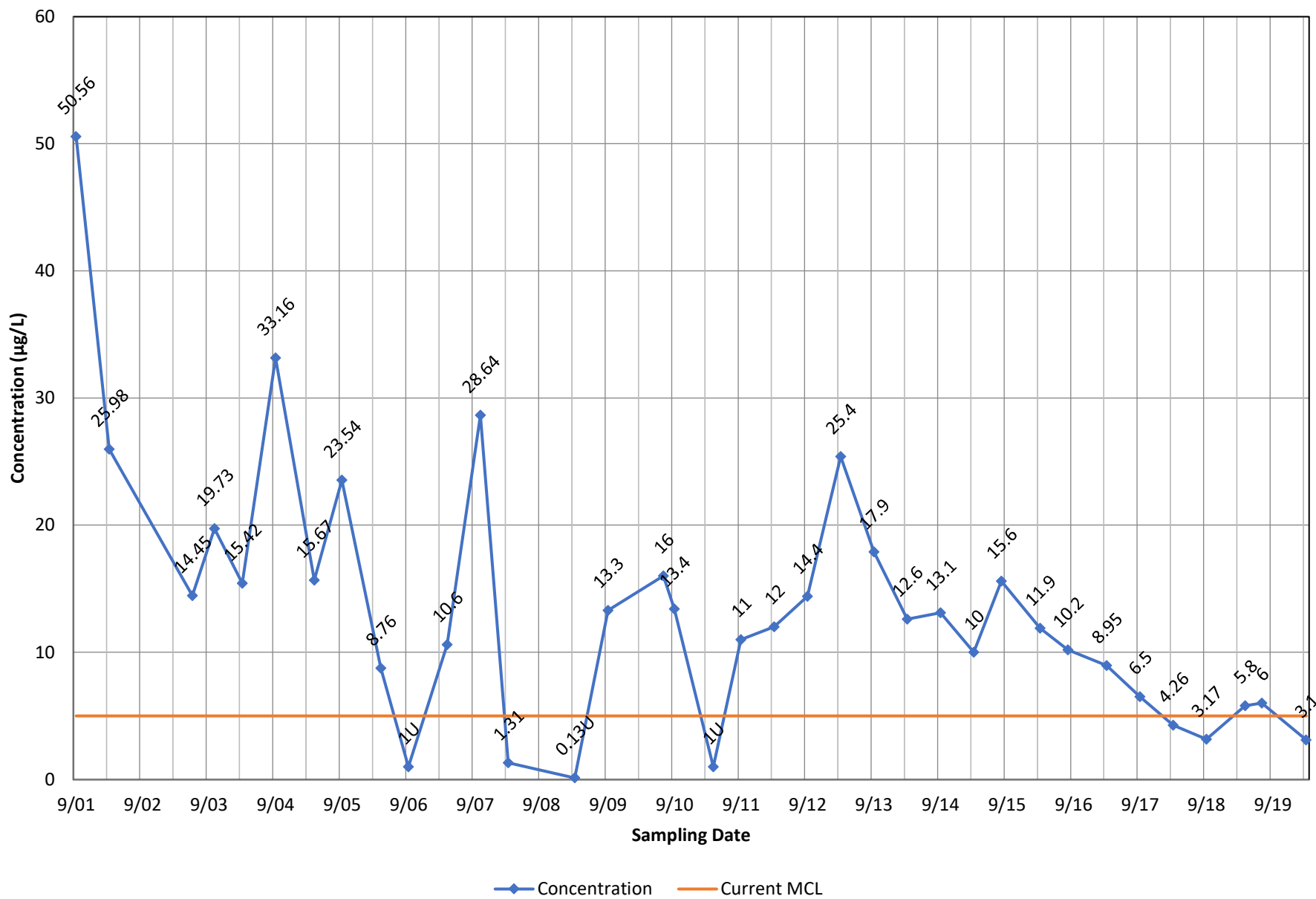
◆ Concentration — Current MCL

Monitoring Well OB10 - Tetrachloroethene

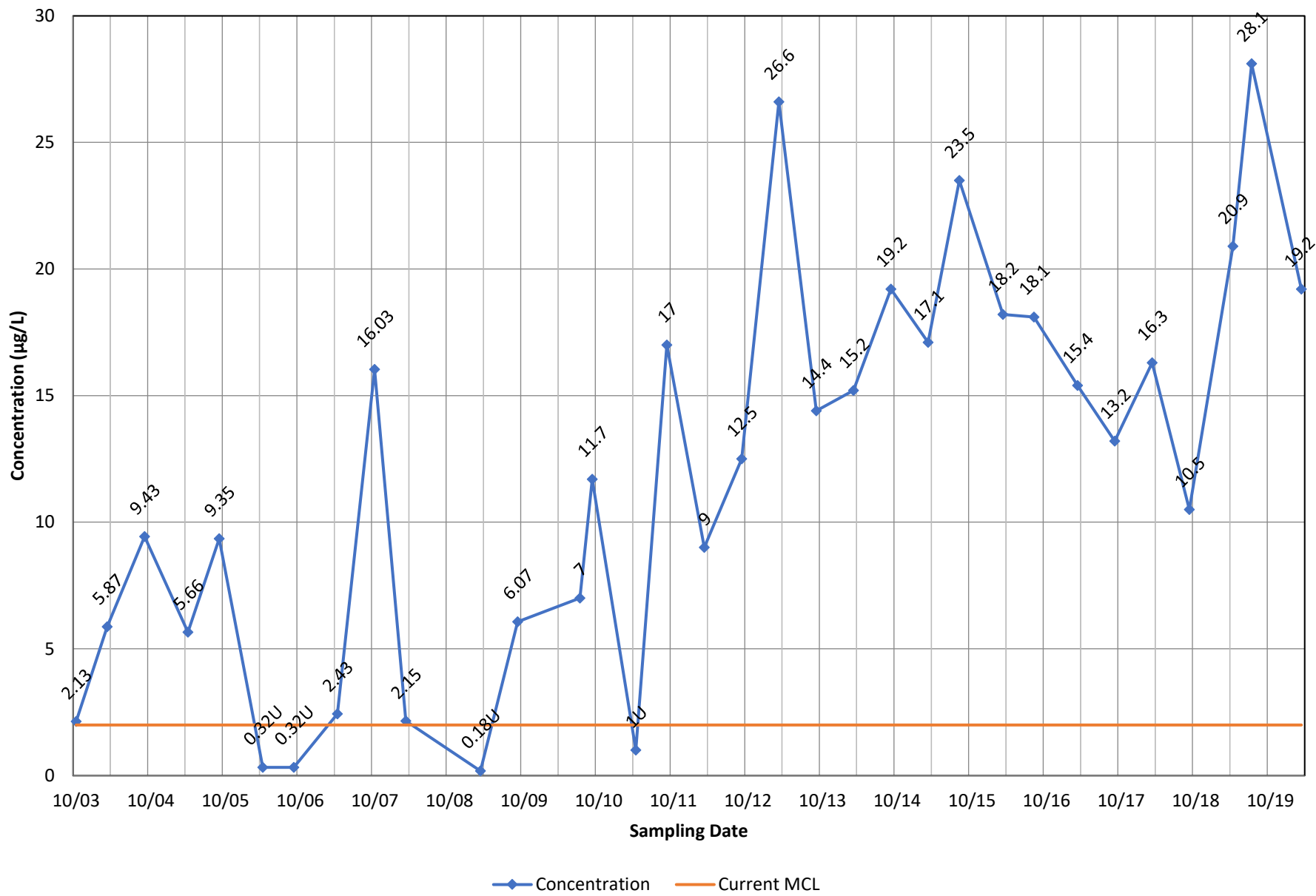


◆ Concentration — Current MCL

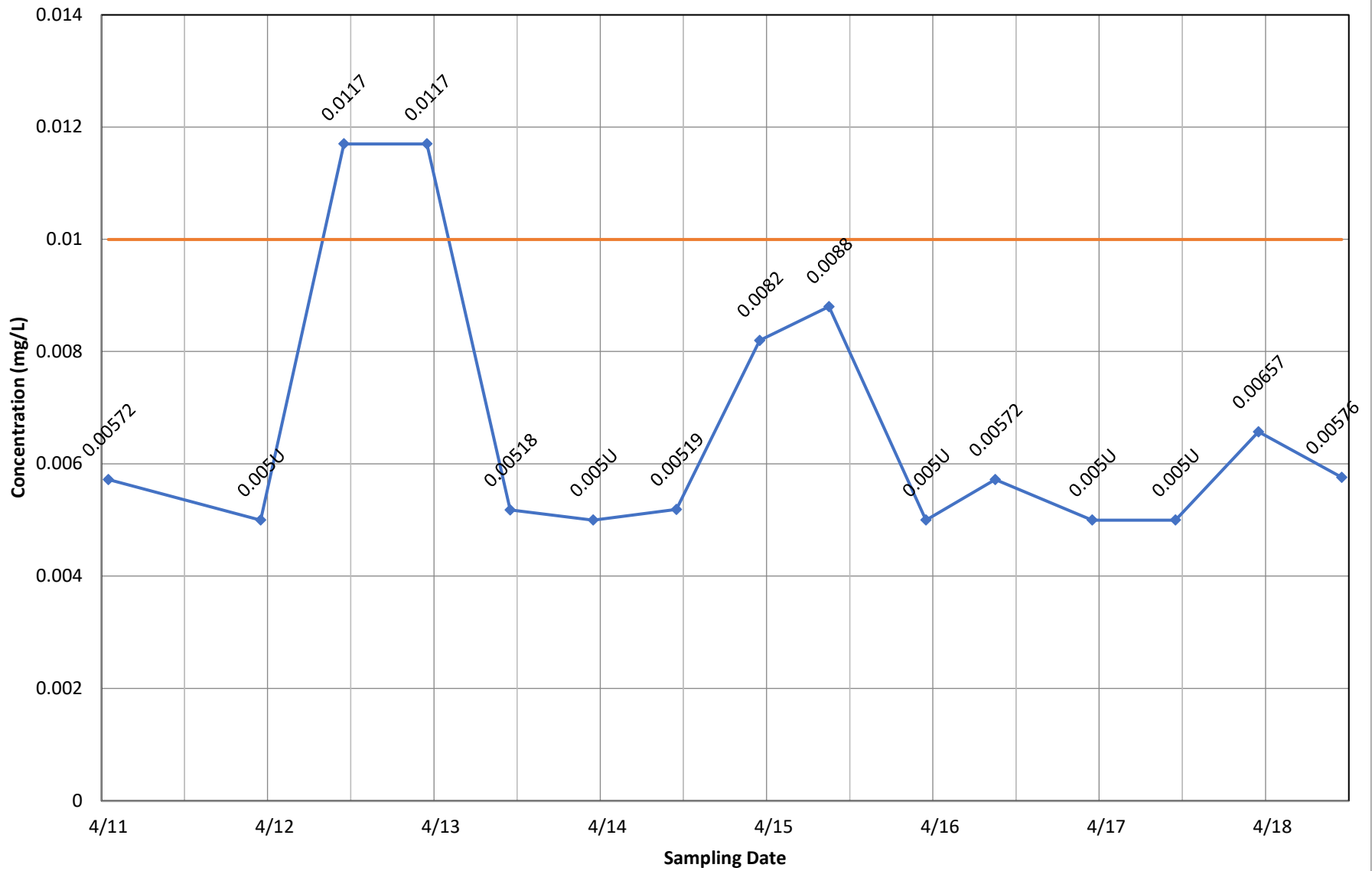
Monitoring Well OB10 - Trichloroethene



Monitoring Well OB10 - Vinyl Chloride

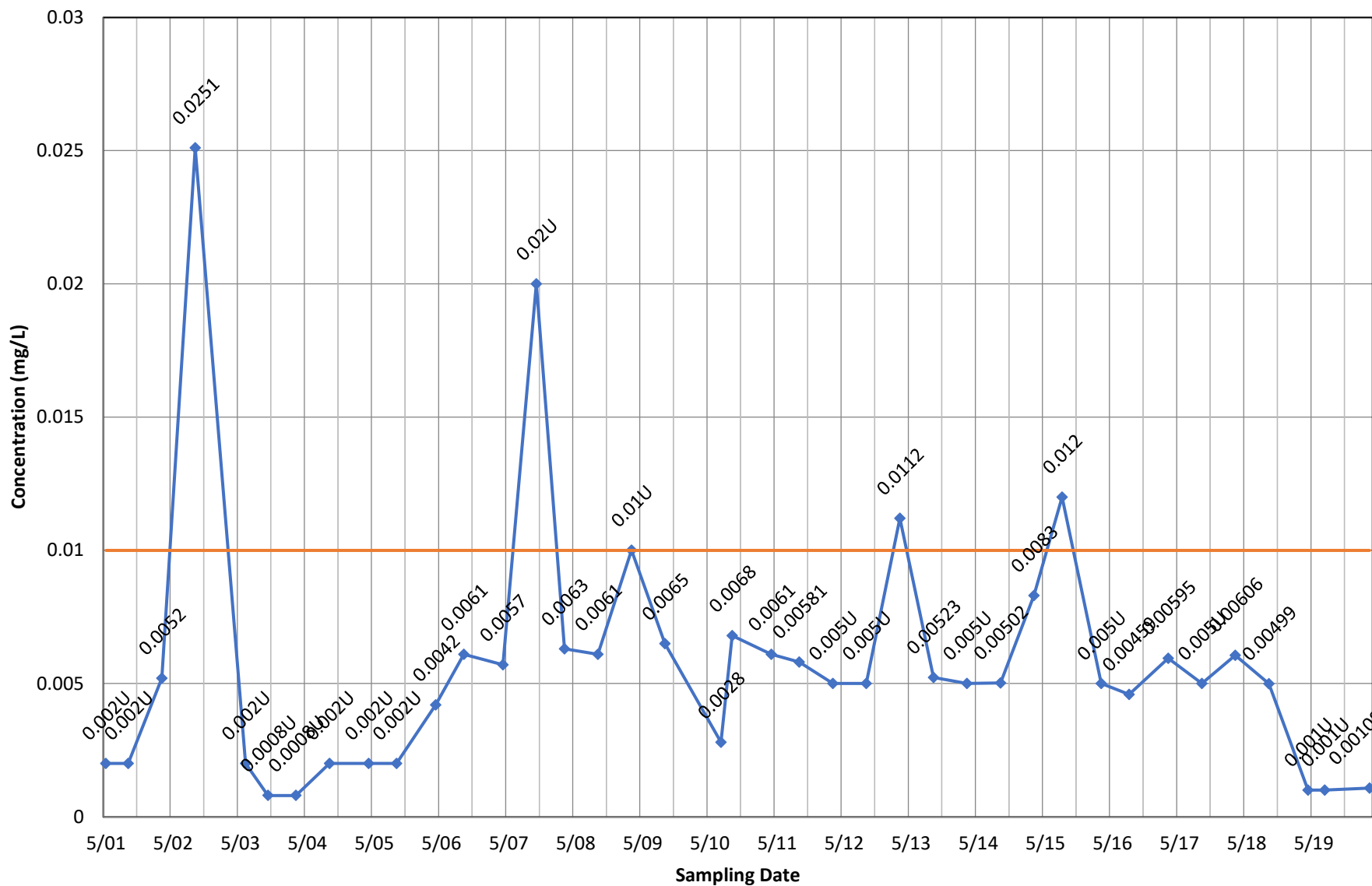


Monitoring Well OB102 - Arsenic, dissolved



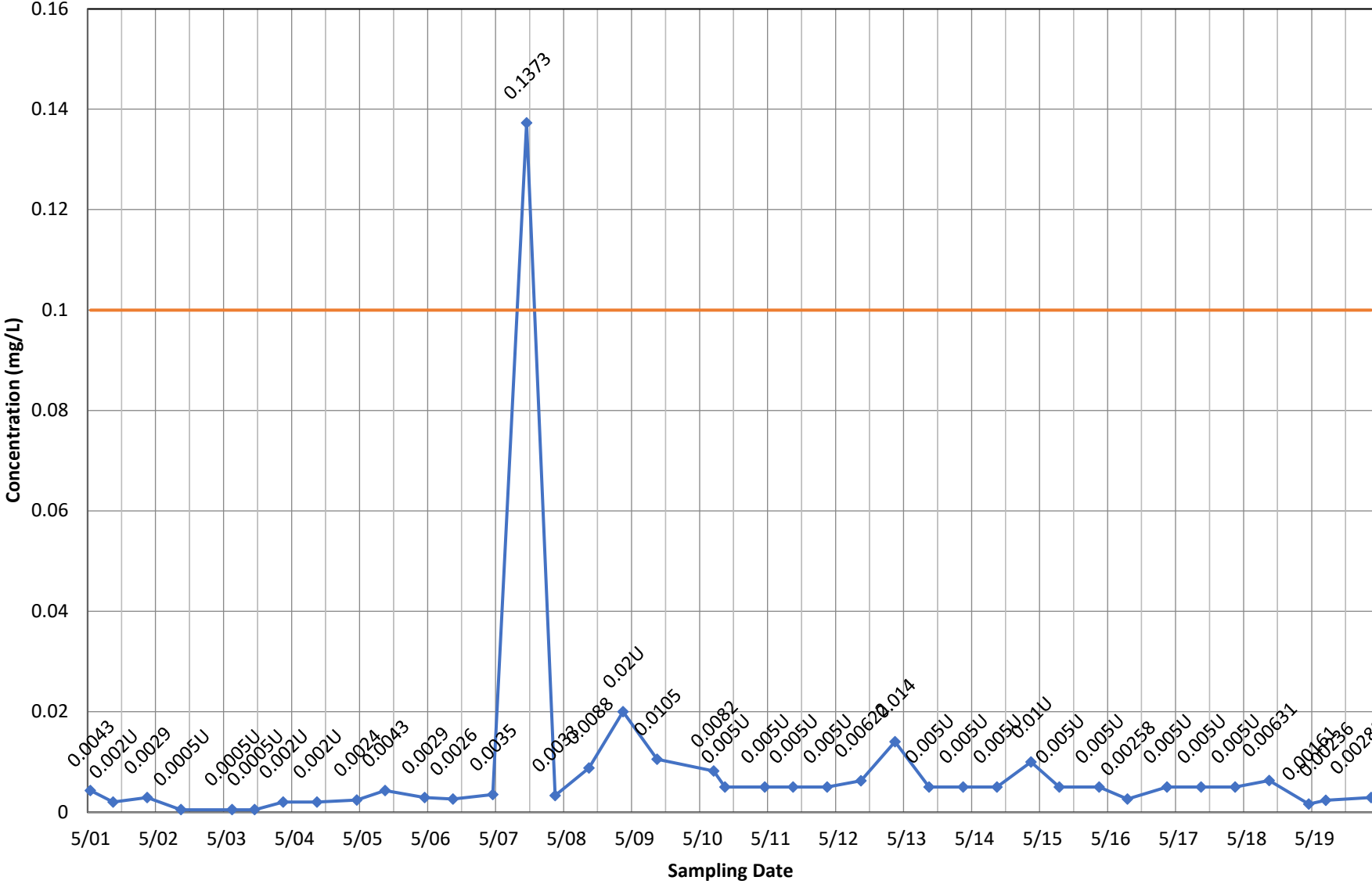
◆ Concentration — Current MCL

Monitoring Well OB102 - Arsenic, total



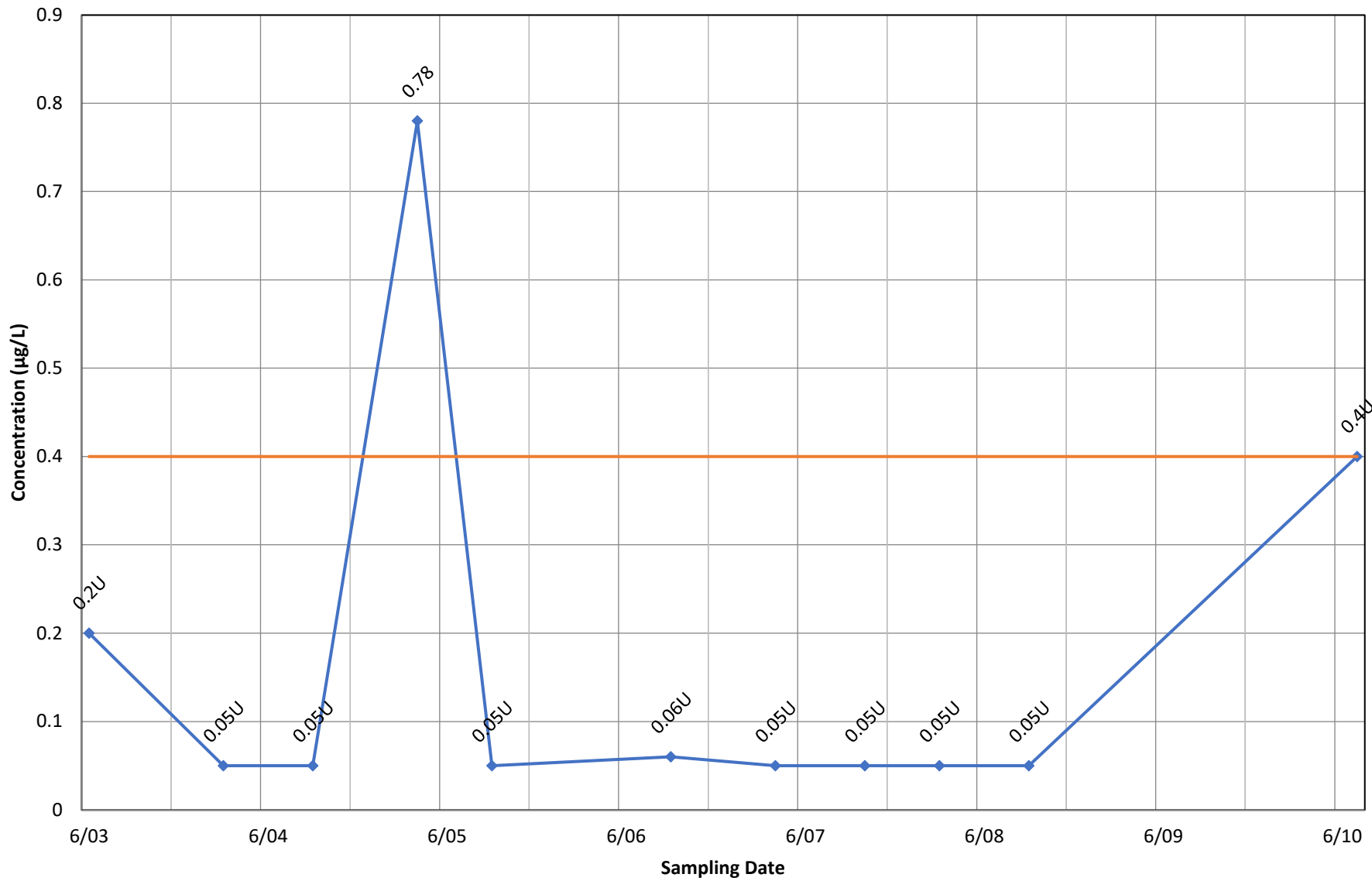
◆ Concentration — Current MCL

Monitoring Well OB102 - Chromium, total



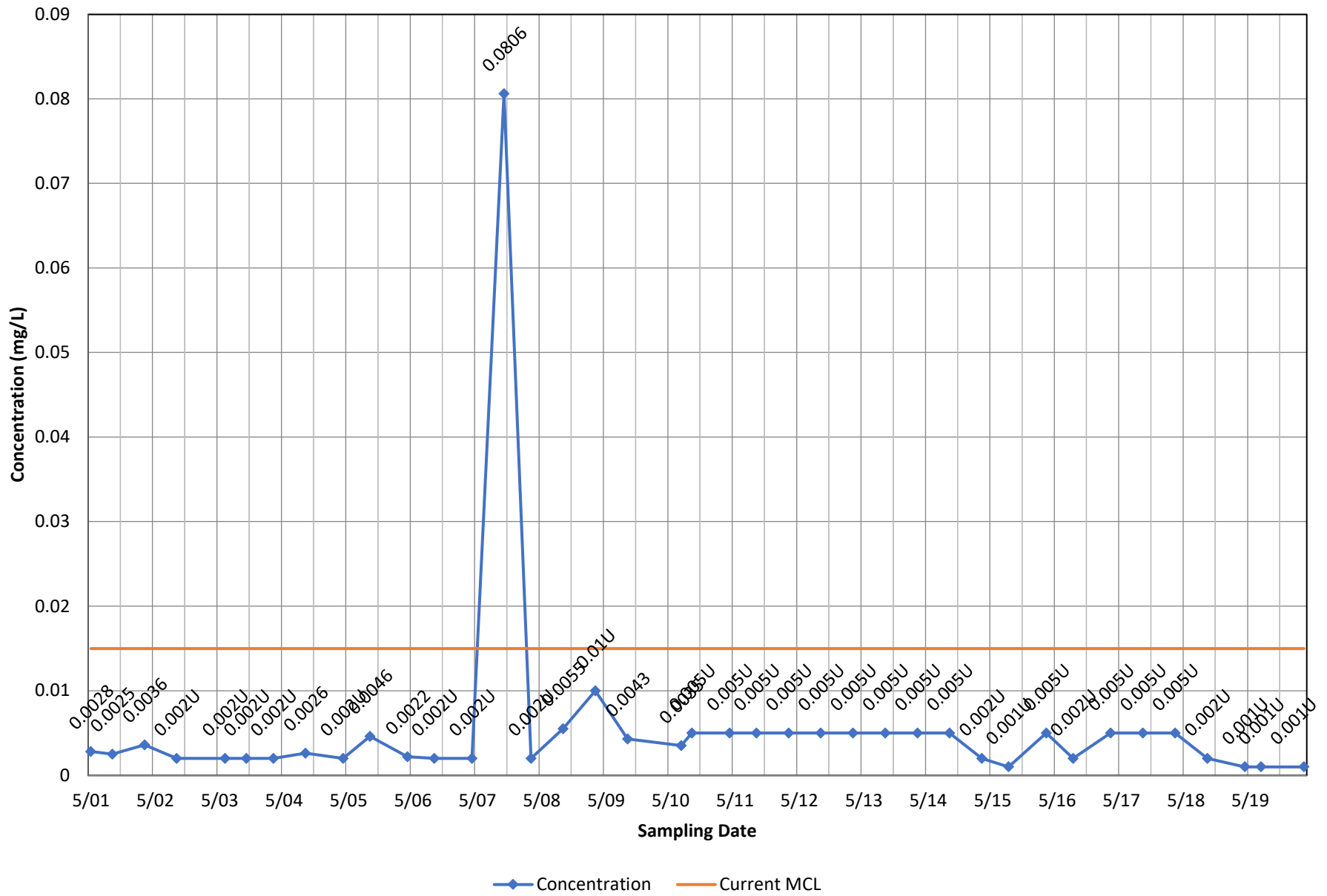
◆ Concentration — Current MCL

Monitoring Well OB102 - Heptachlor

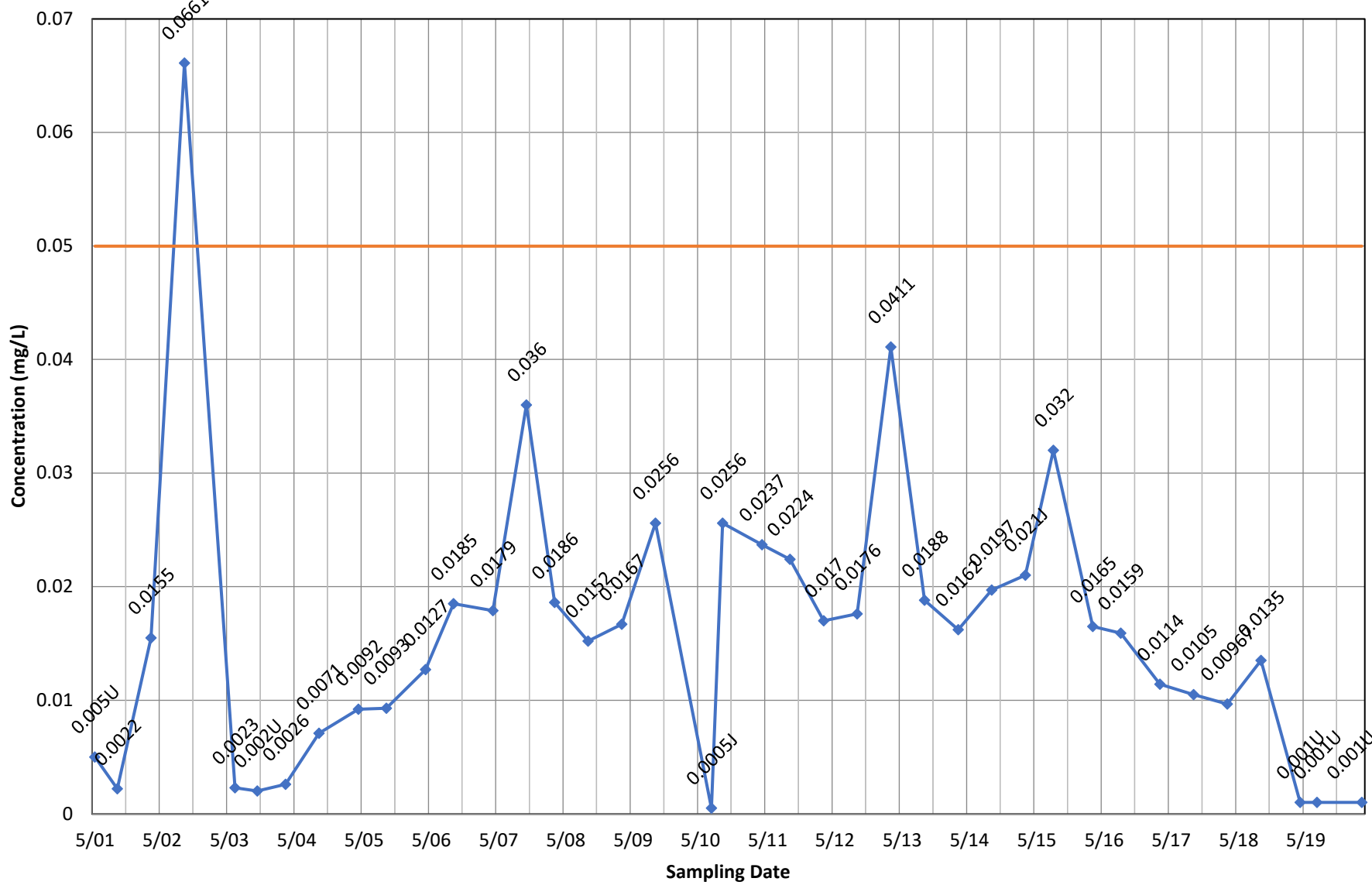


◆ Concentration — Current MCL

Monitoring Well OB102 - Lead, total

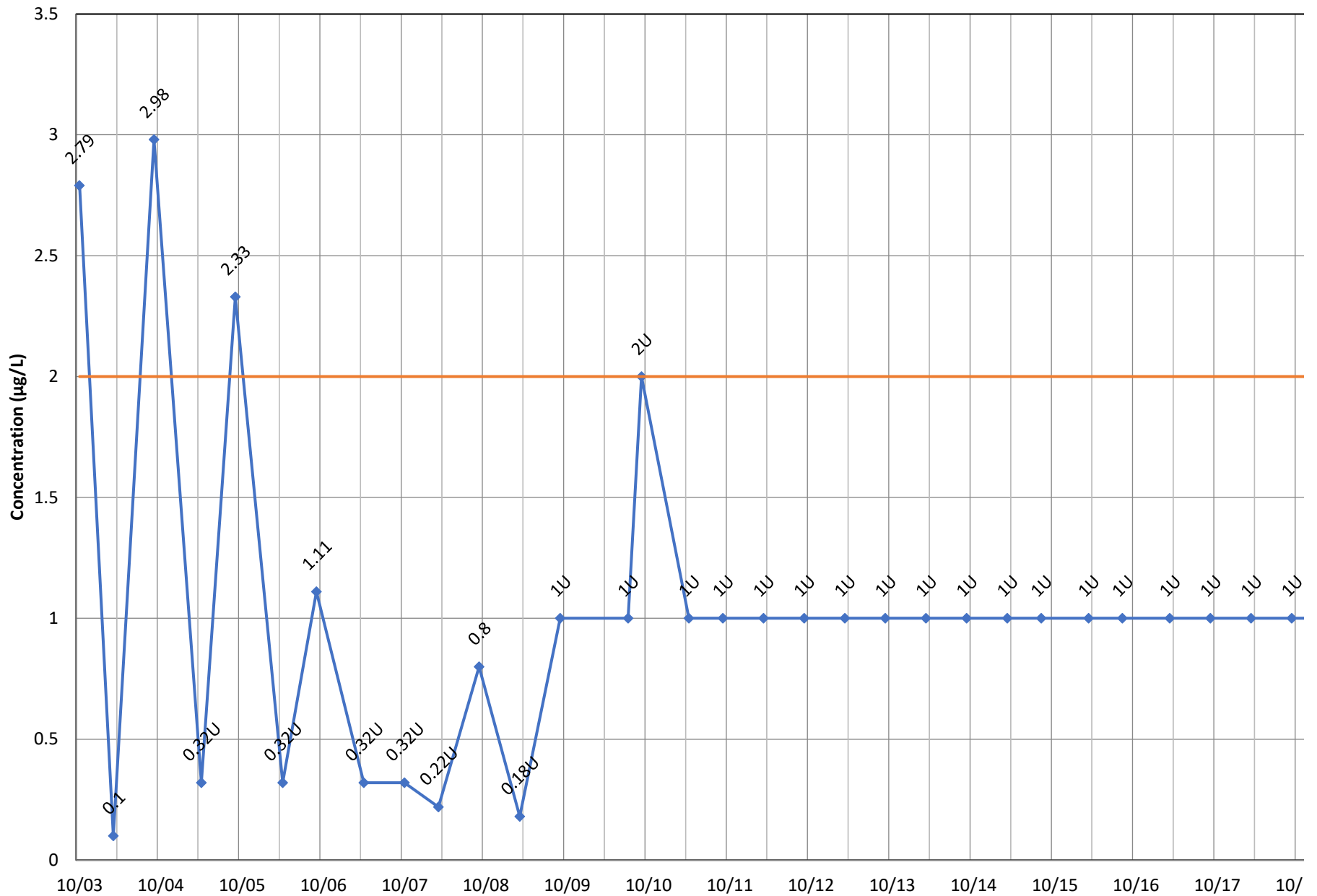


Monitoring Well OB102 - Selenium, total

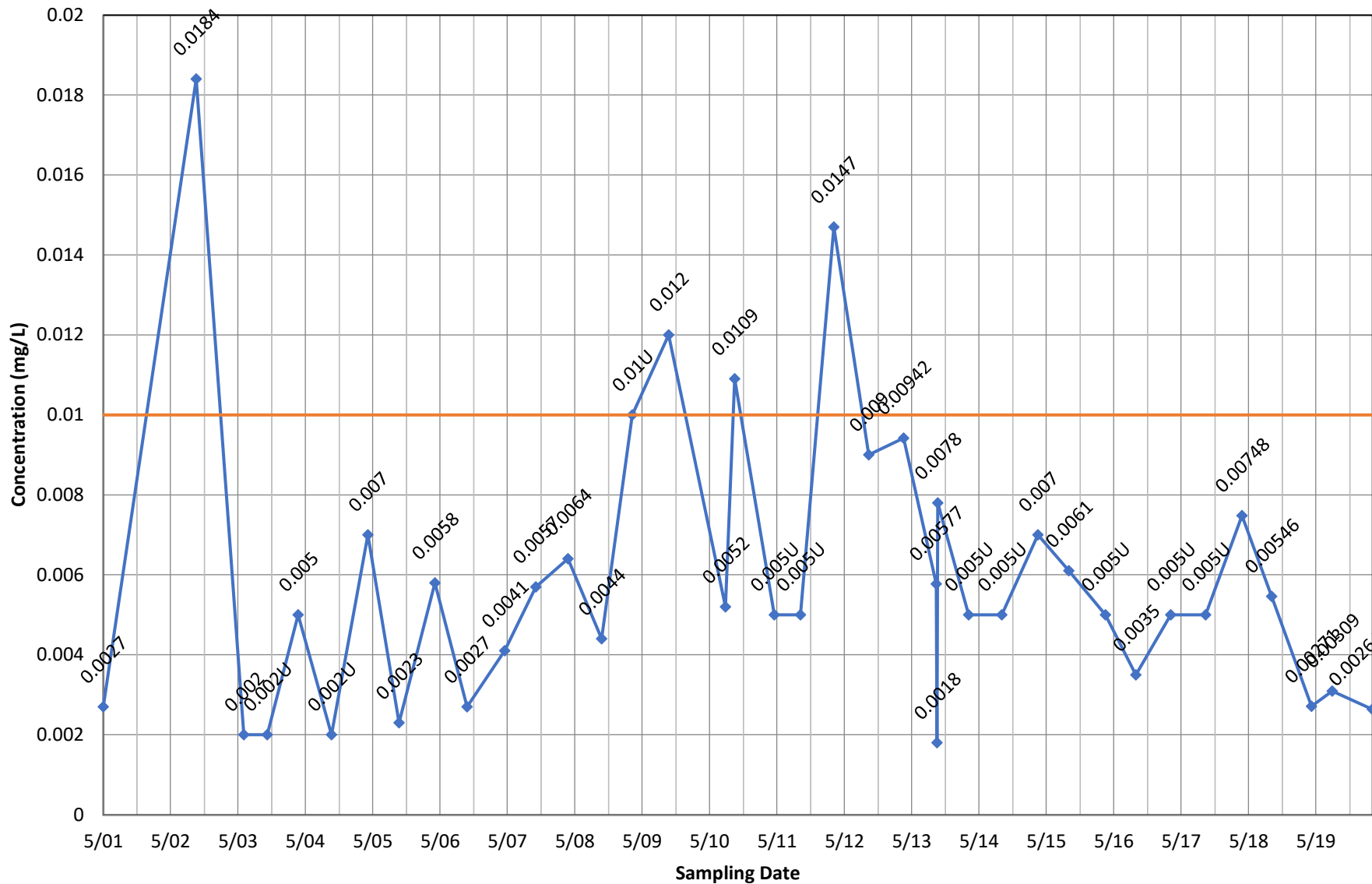


◆ Concentration — Current MCL

Monitoring Well OB102 - Vinyl Chloride

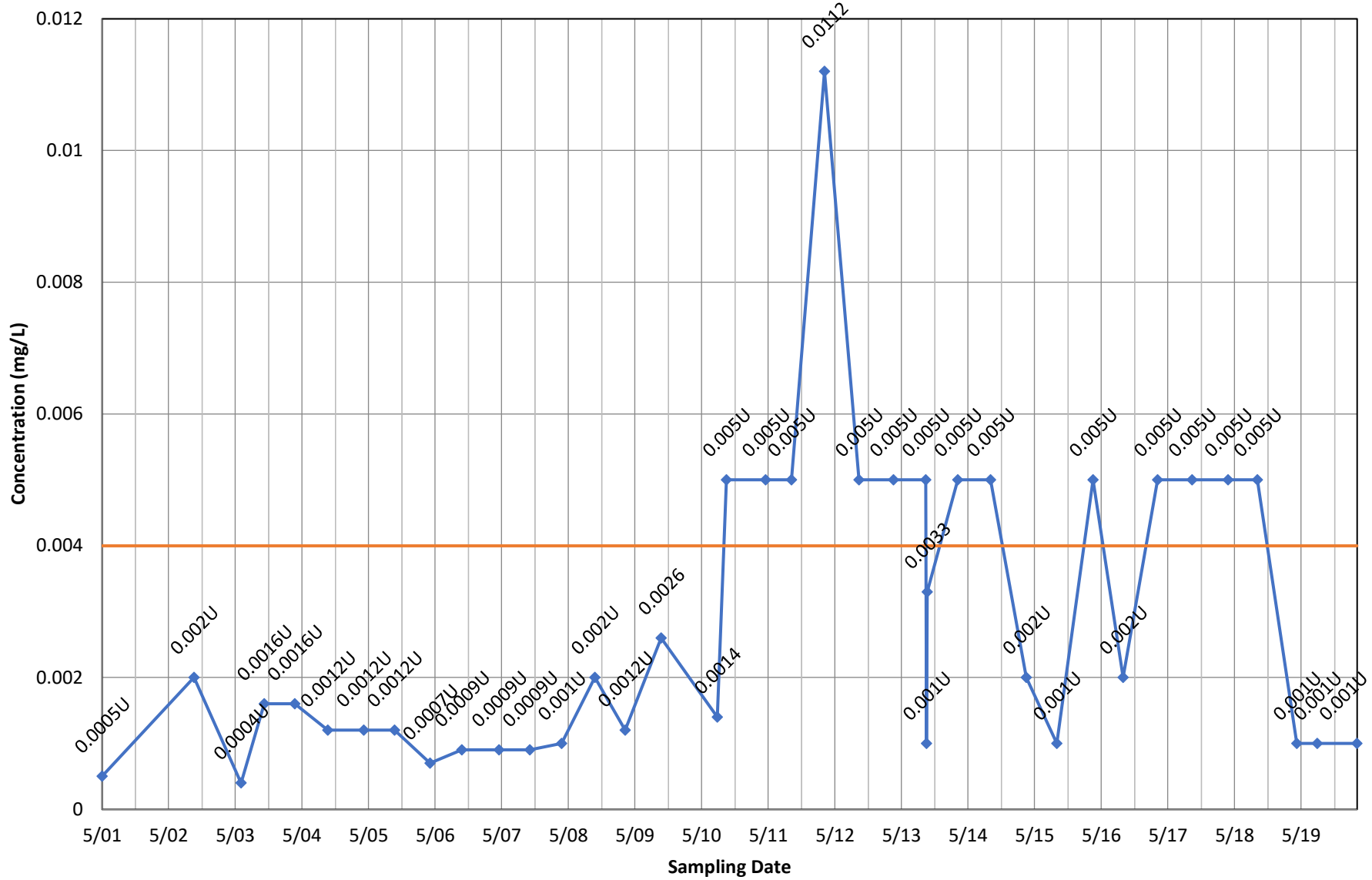


Monitoring Well OB105 - Arsenic, total



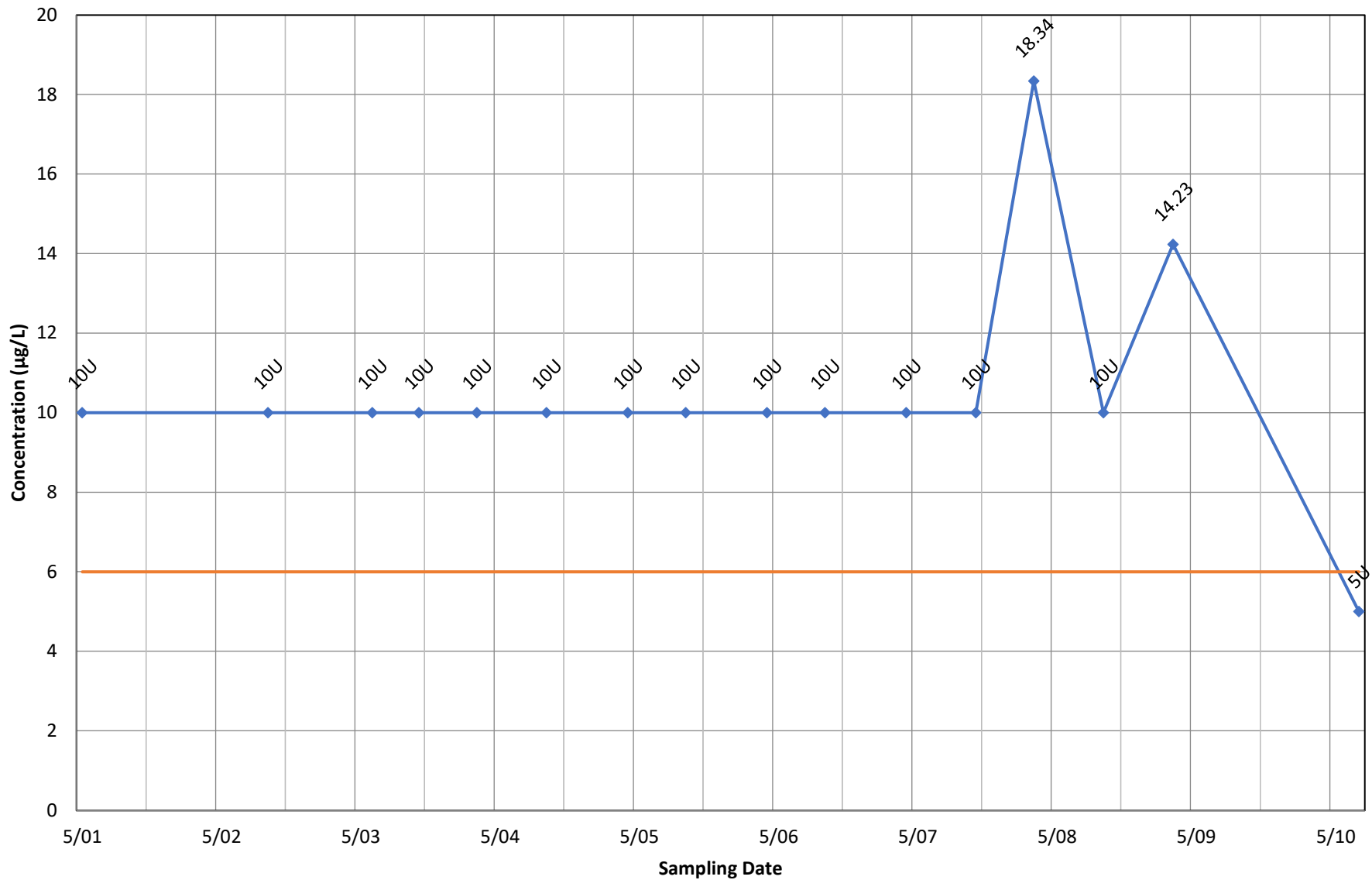
—◆— Concentration — Current MCL

Monitoring Well OB105 - Beryllium, total



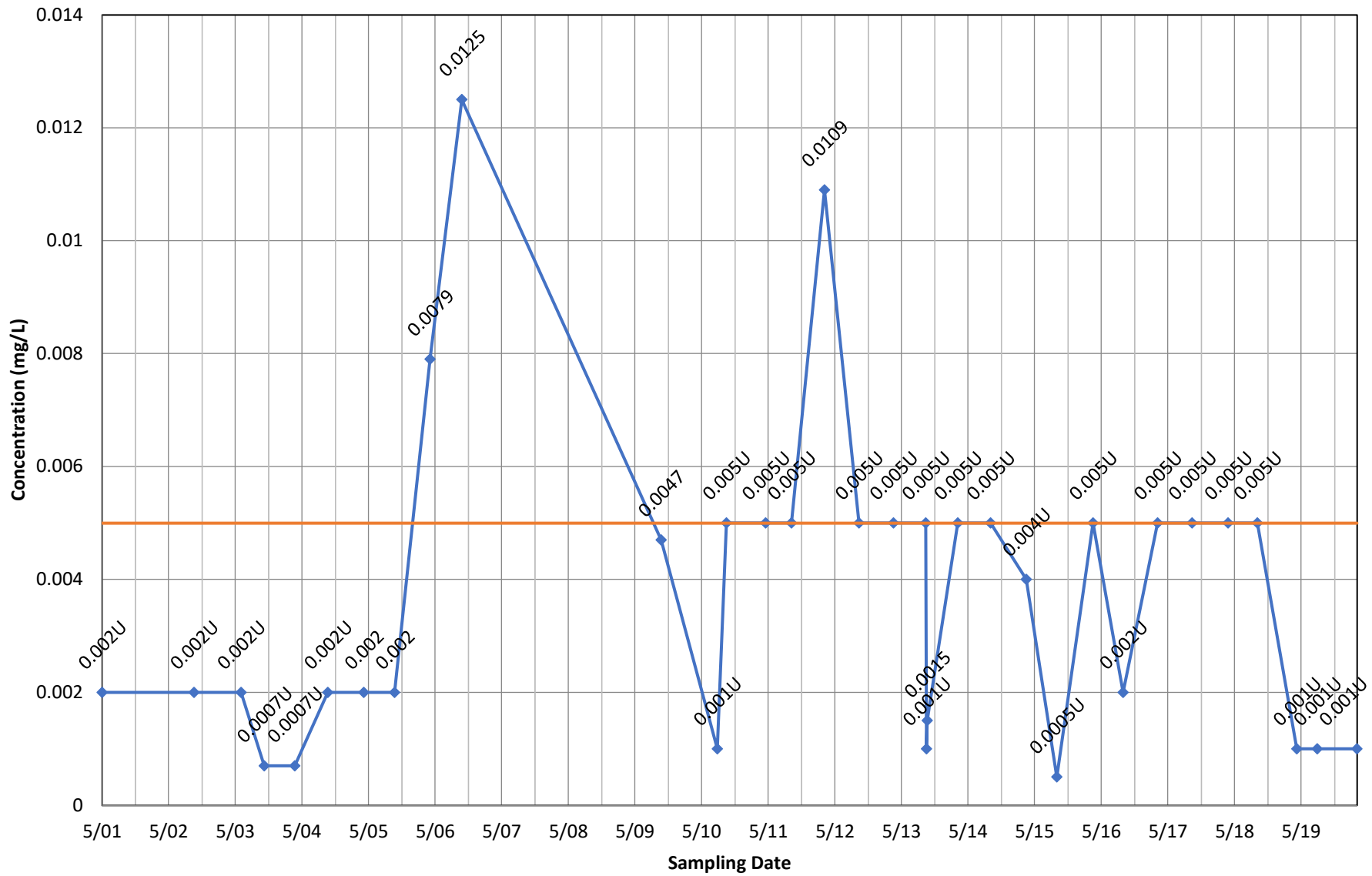
◆ Concentration — Current MCL

Monitoring Well OB105 - Bis(2-Ethylhexyl) Phthalate



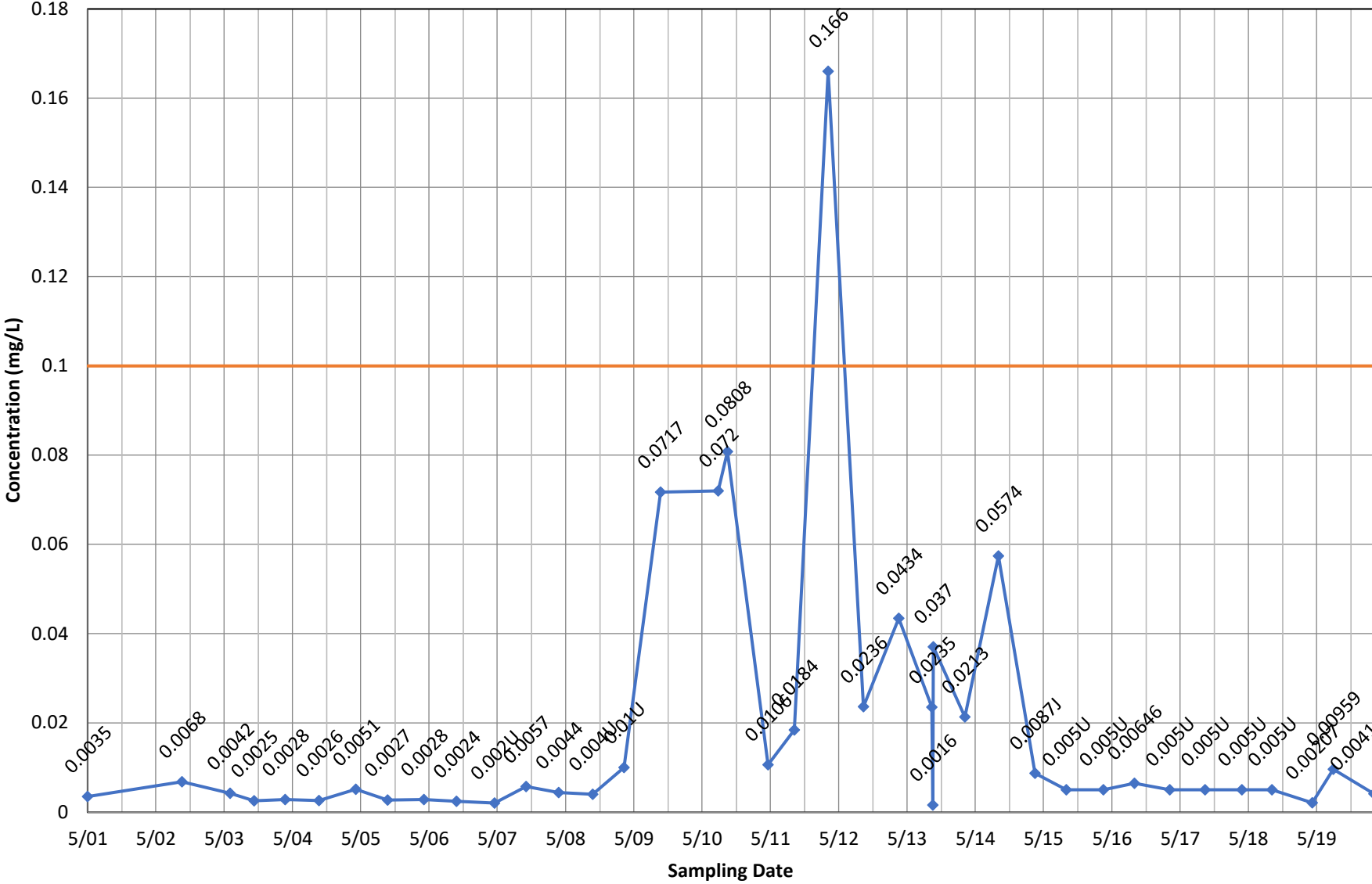
◆ Concentration — Current MCL

Monitoring Well OB105 - Cadmium, total



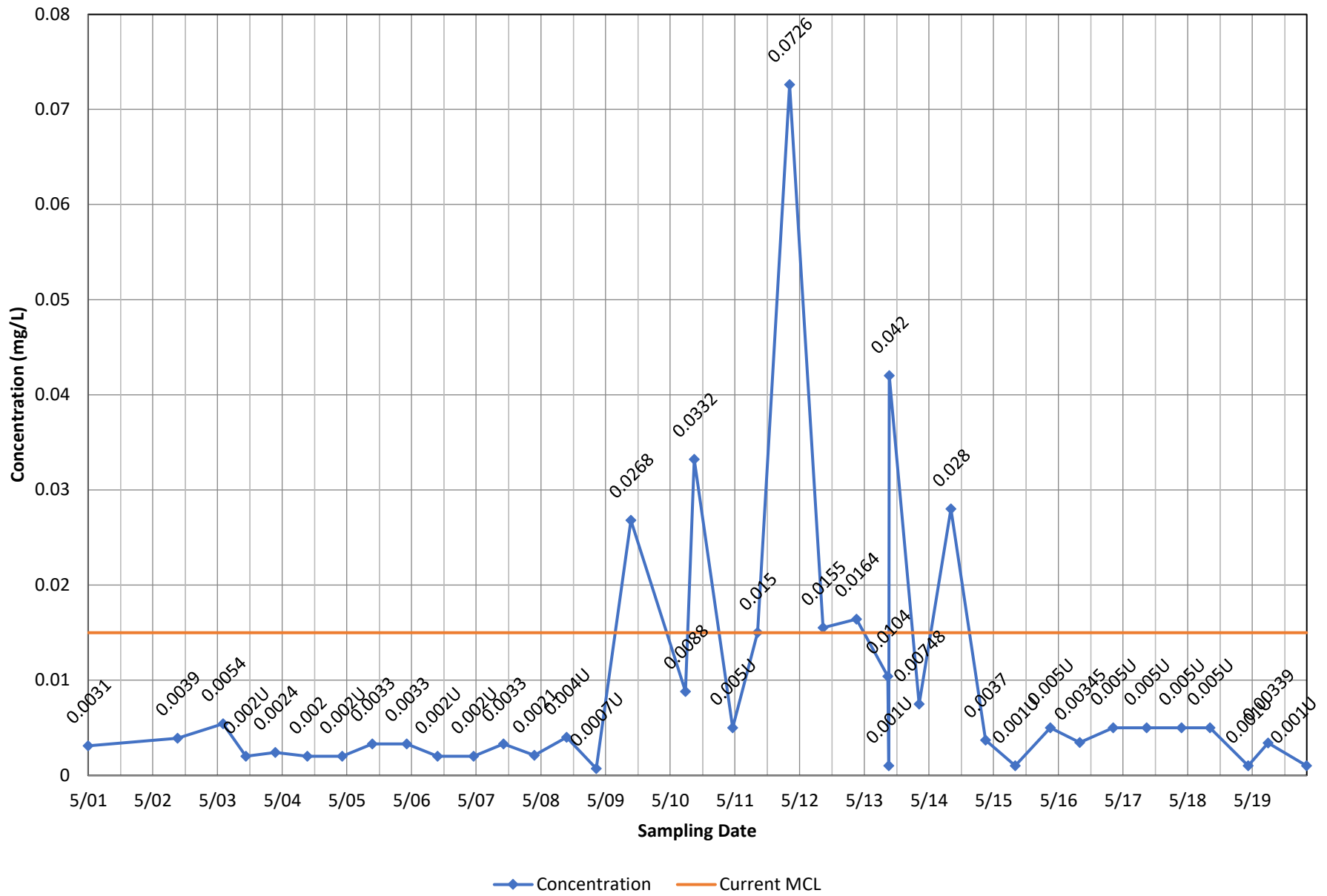
◆ Concentration — Current MCL

Monitoring Well OB105 - Chromium, total

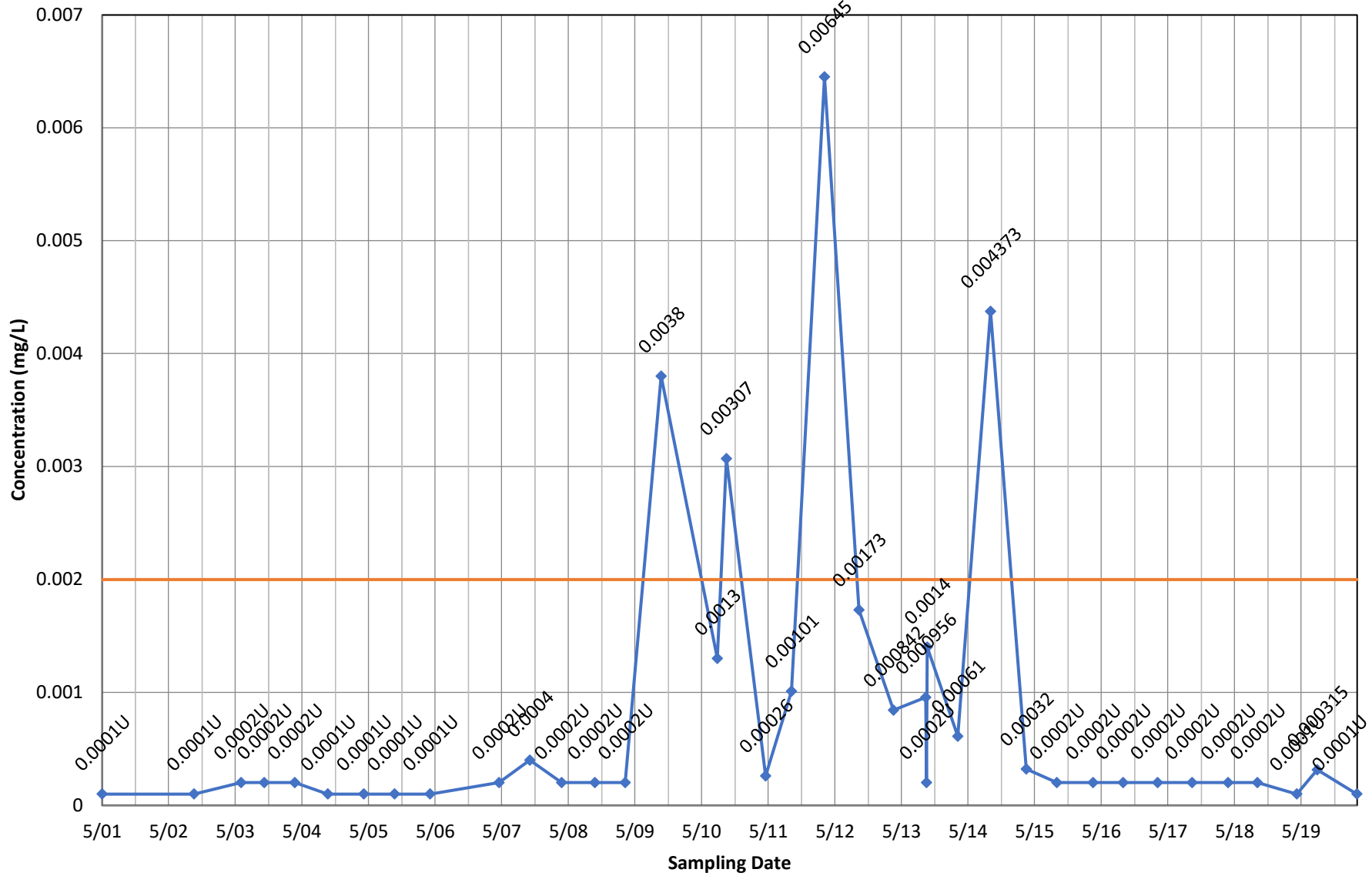


—◆— Concentration — Current MCL

Monitoring Well OB105 - Lead, total

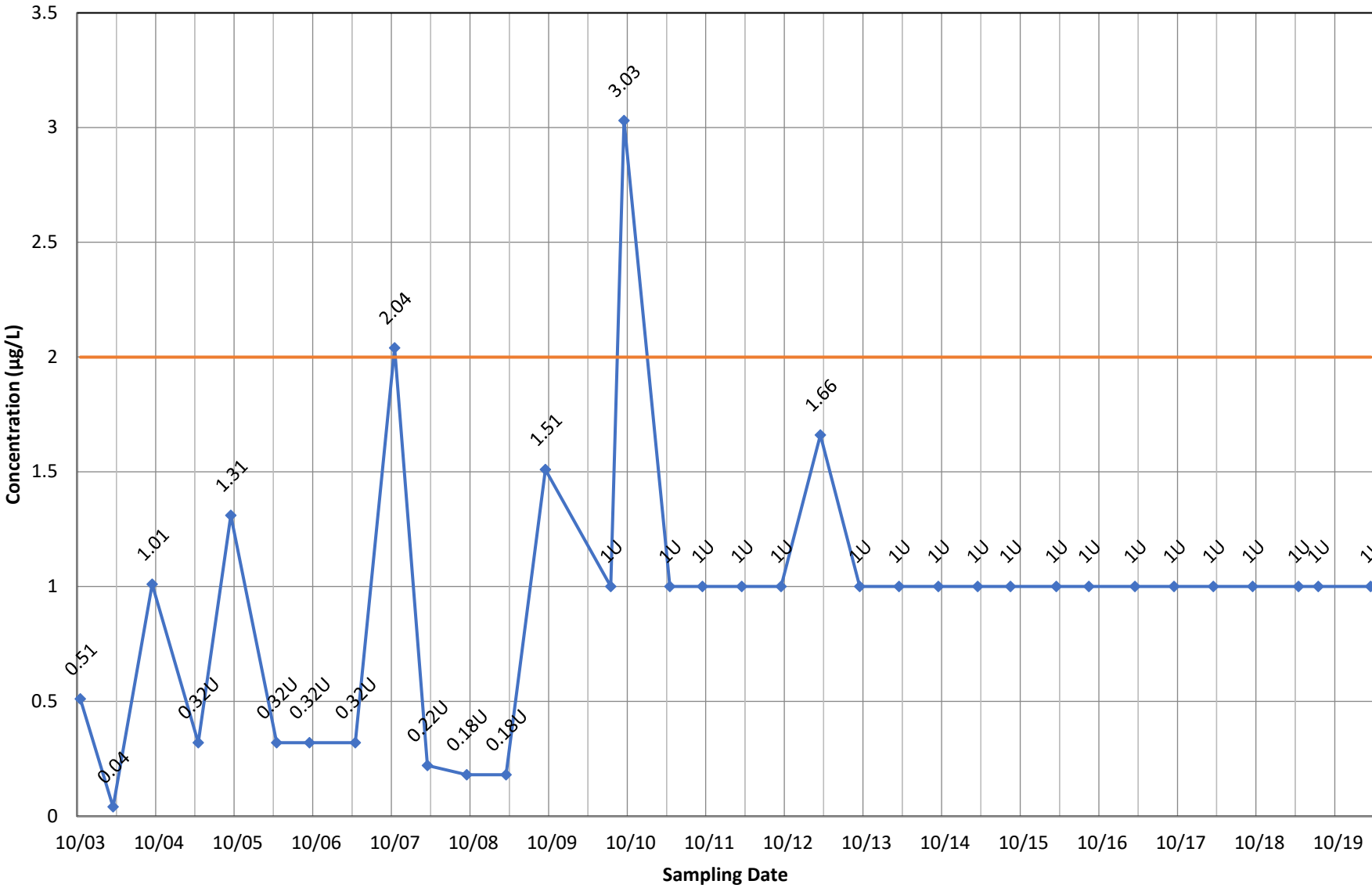


Monitoring Well OB105 - Mercury, total



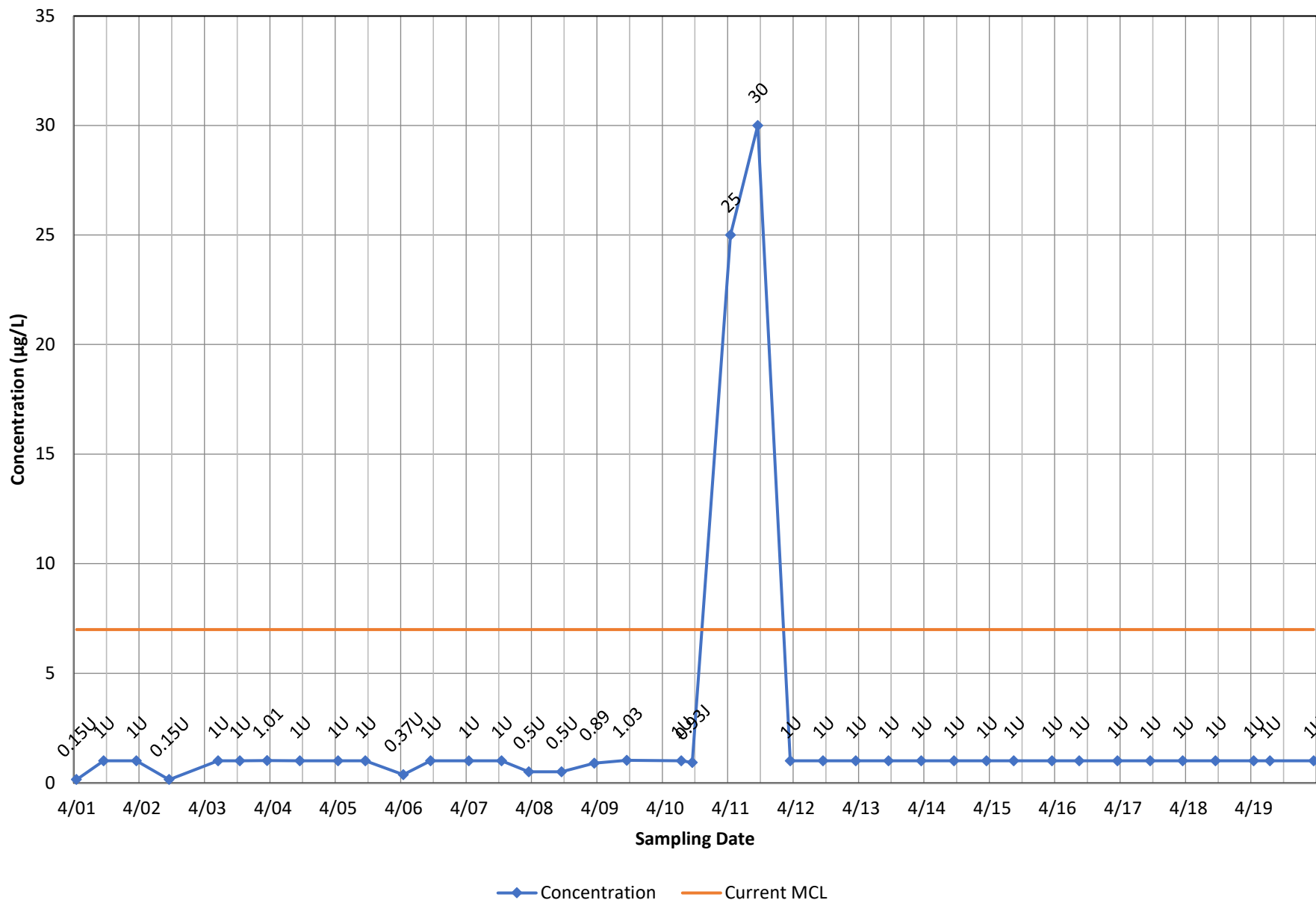
—◆— Concentration — Current MCL

Monitoring Well OB105 - Vinyl Chloride

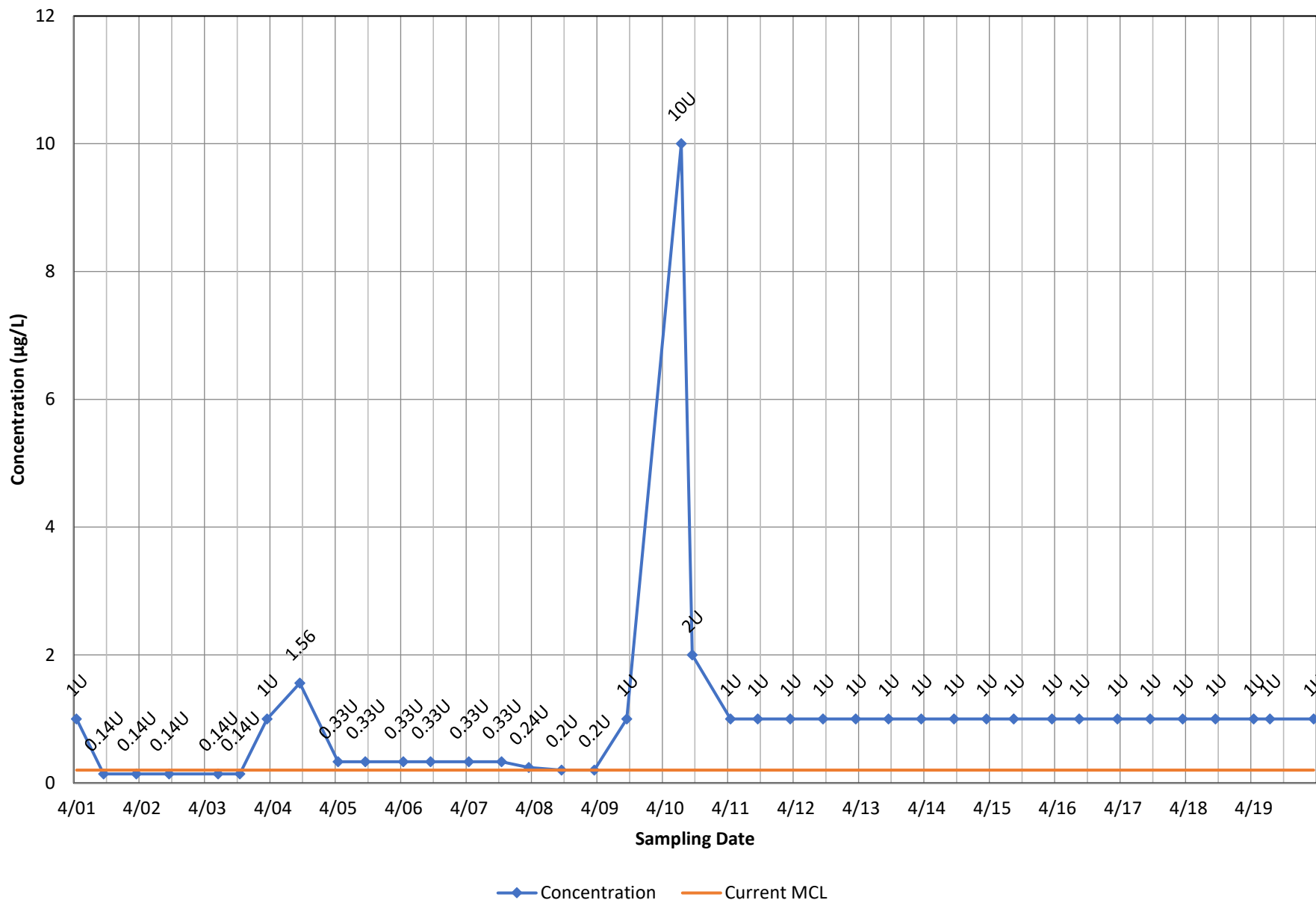


◆ Concentration — Current MCL

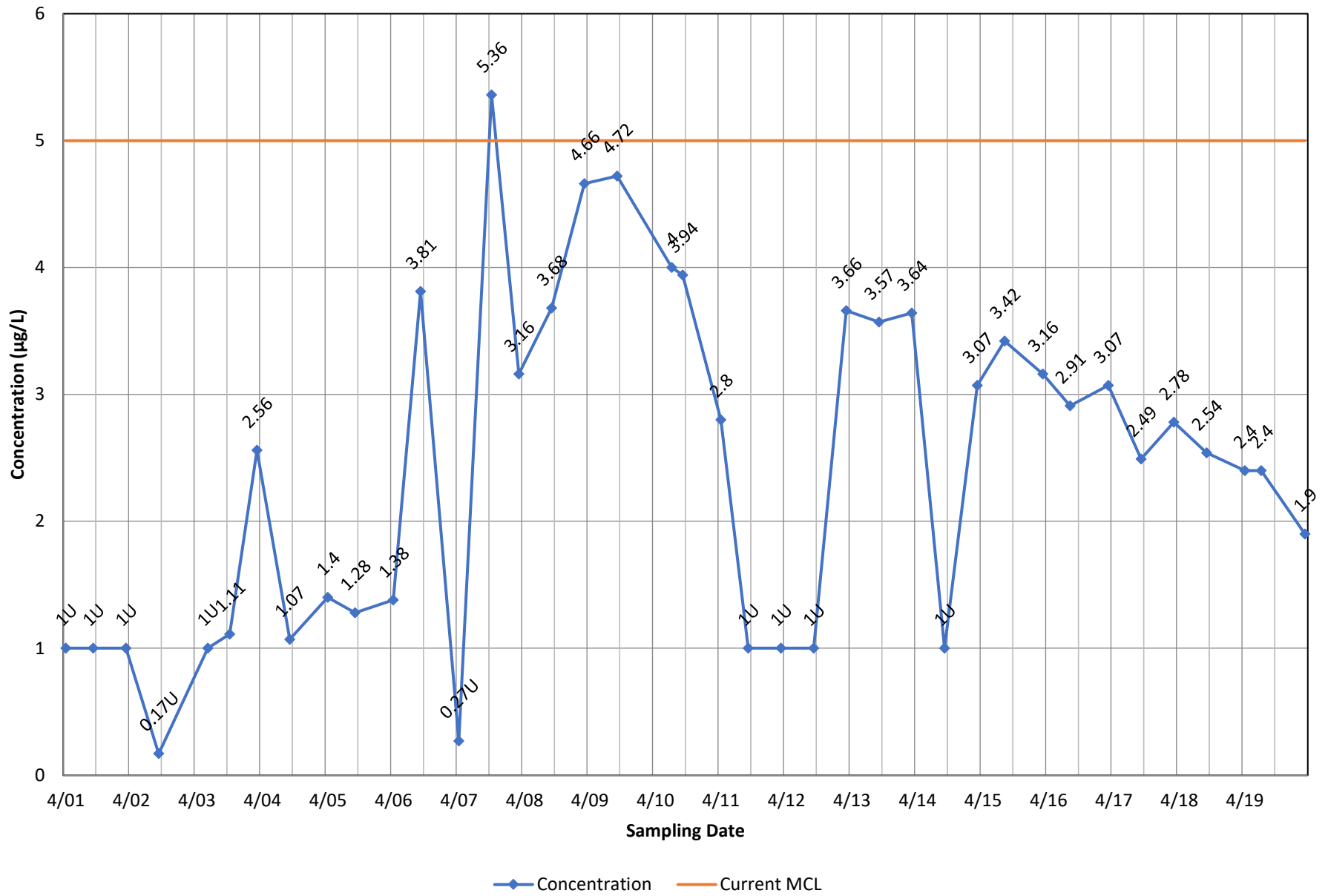
Monitoring Well OB11 - 1,1-Dichloroethene



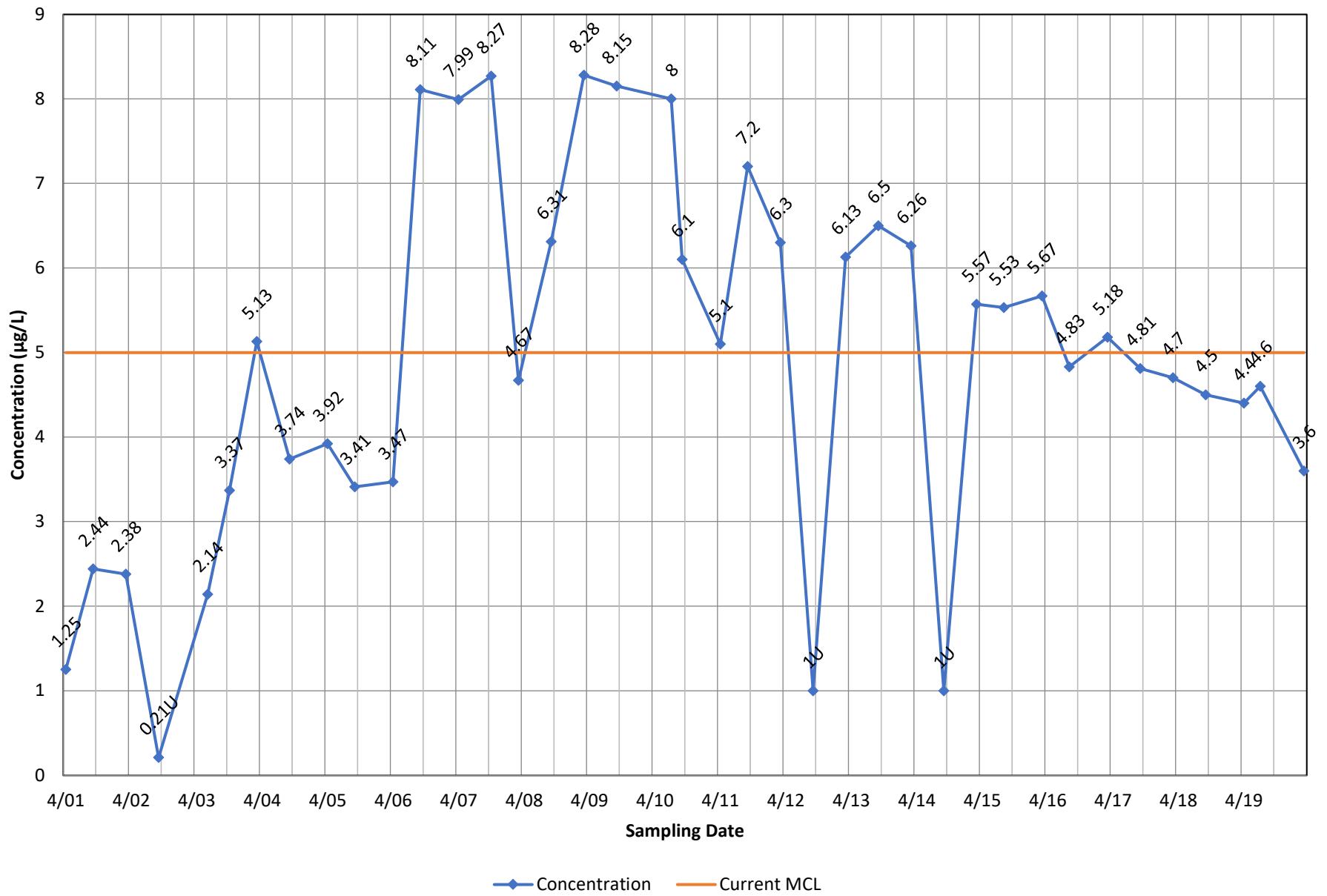
Monitoring Well OB11 - 1,2-Dibromo-3-chloropropane



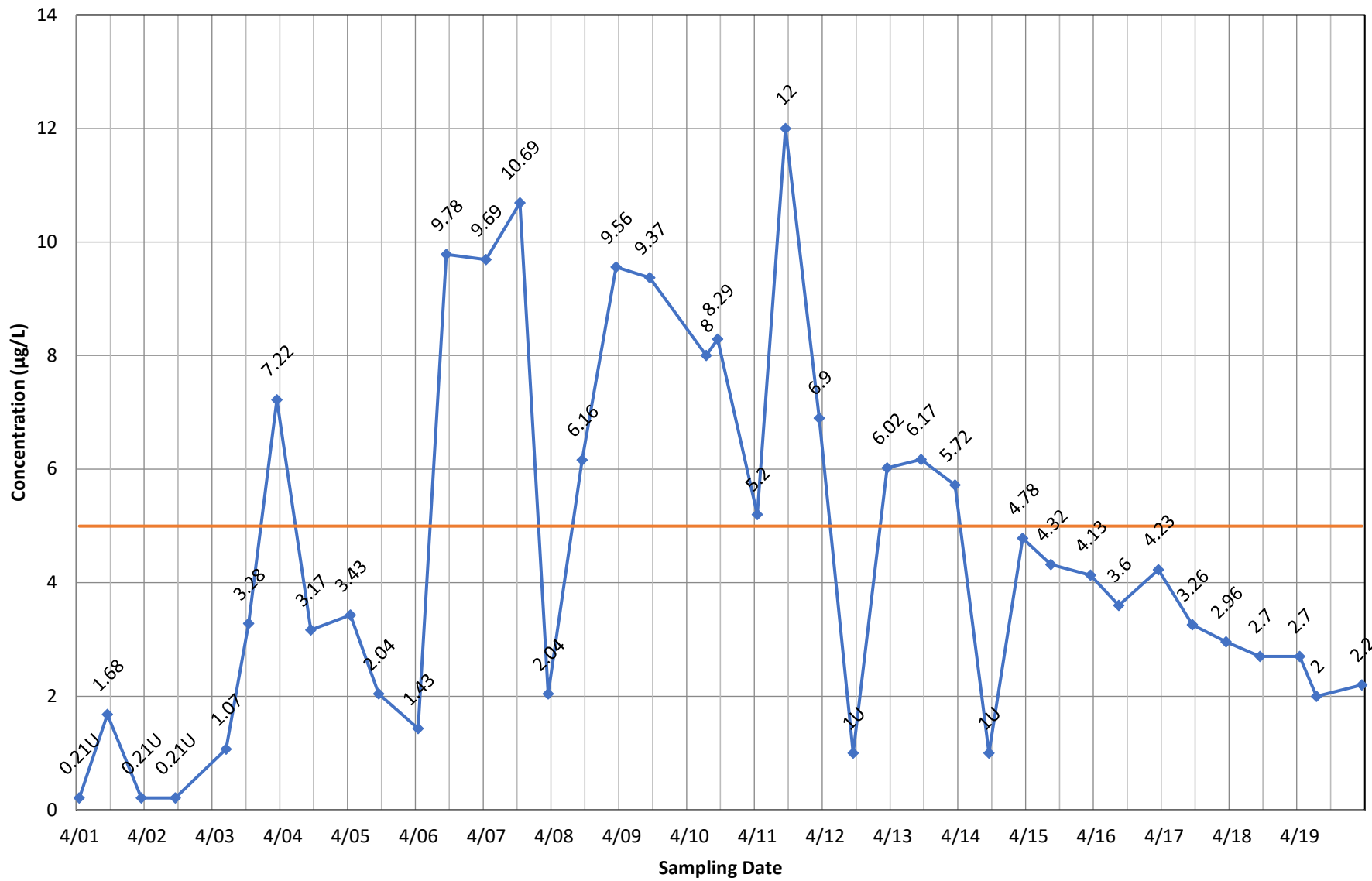
Monitoring Well OB11 - 1,2-Dichloroethane



Monitoring Well OB11 - 1,2-Dichloropropane

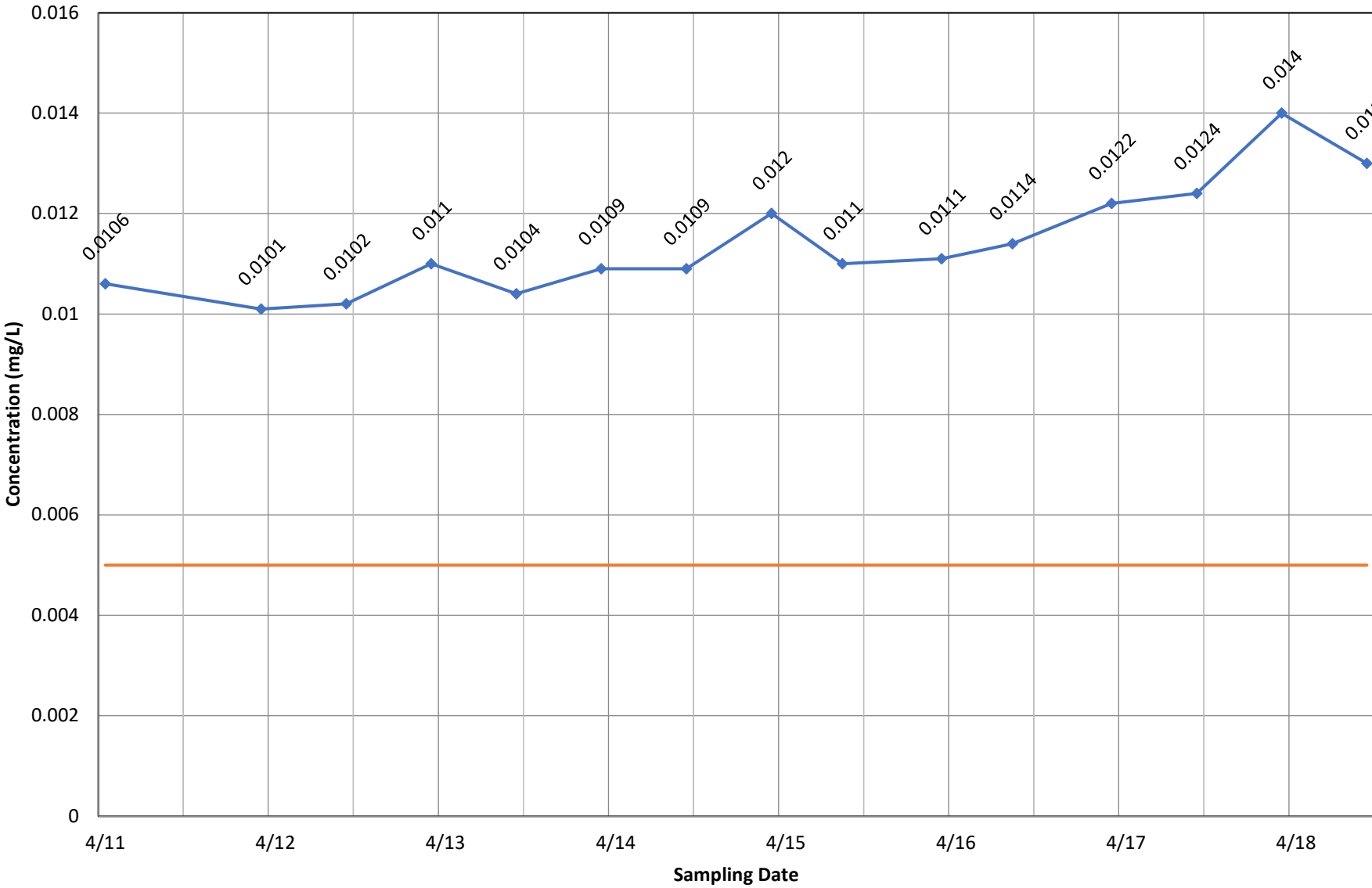


Monitoring Well OB11 - Benzene



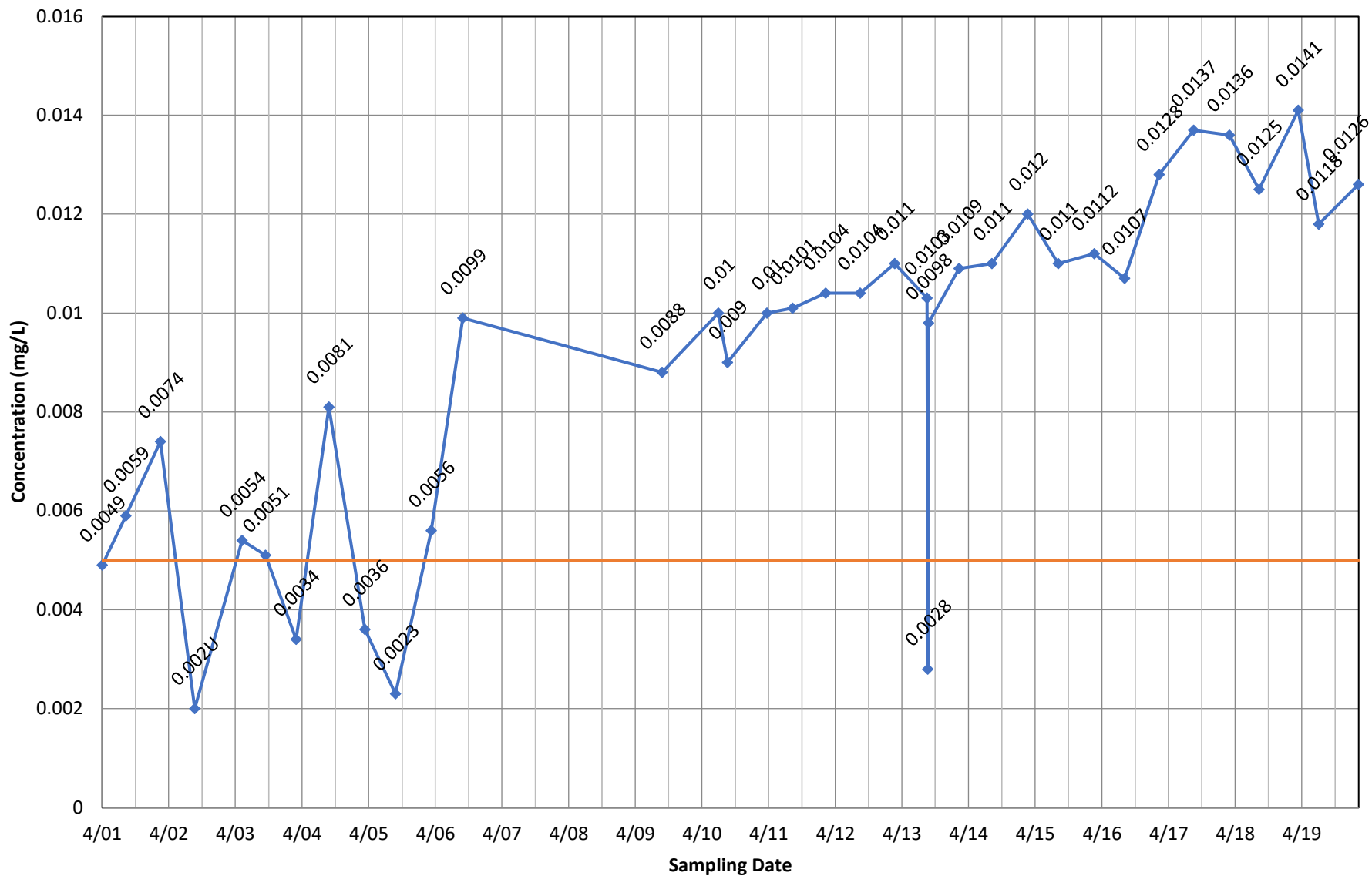
◆ Concentration — Current MCL

Monitoring Well OB11 - Cadmium, dissolved



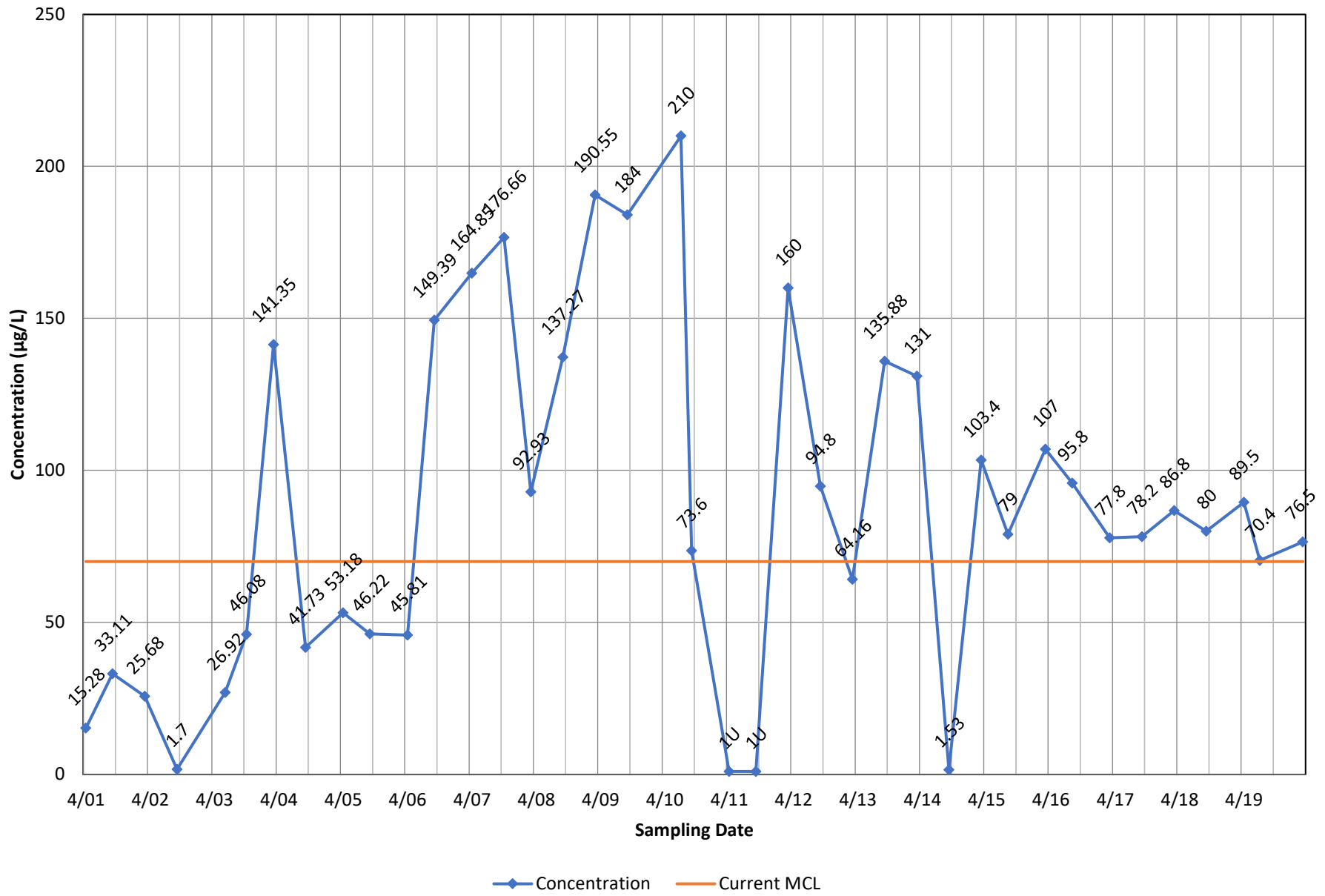
◆ Concentration — Current MCL

Monitoring Well OB11 - Cadmium, total

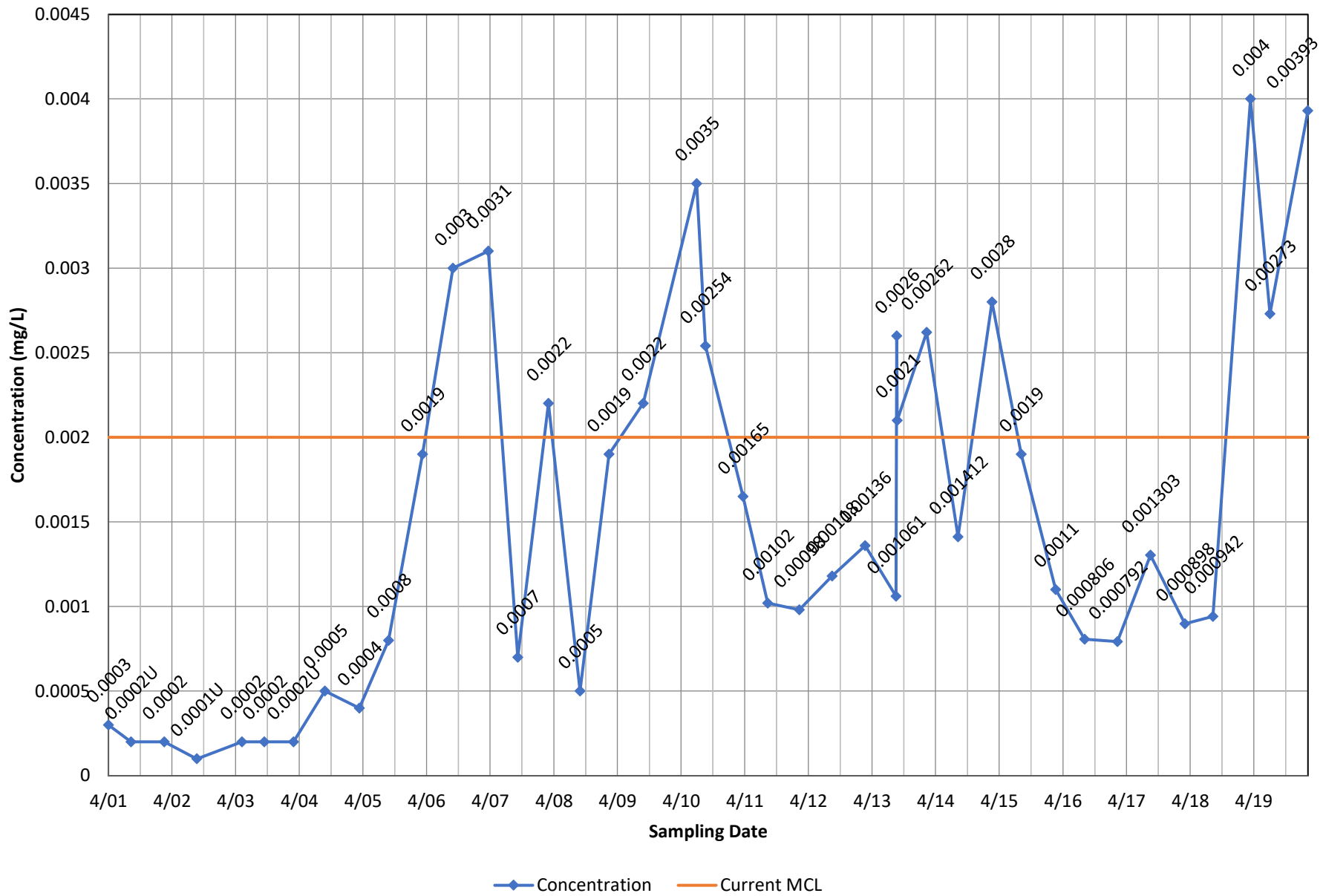


◆ Concentration — Current MCL

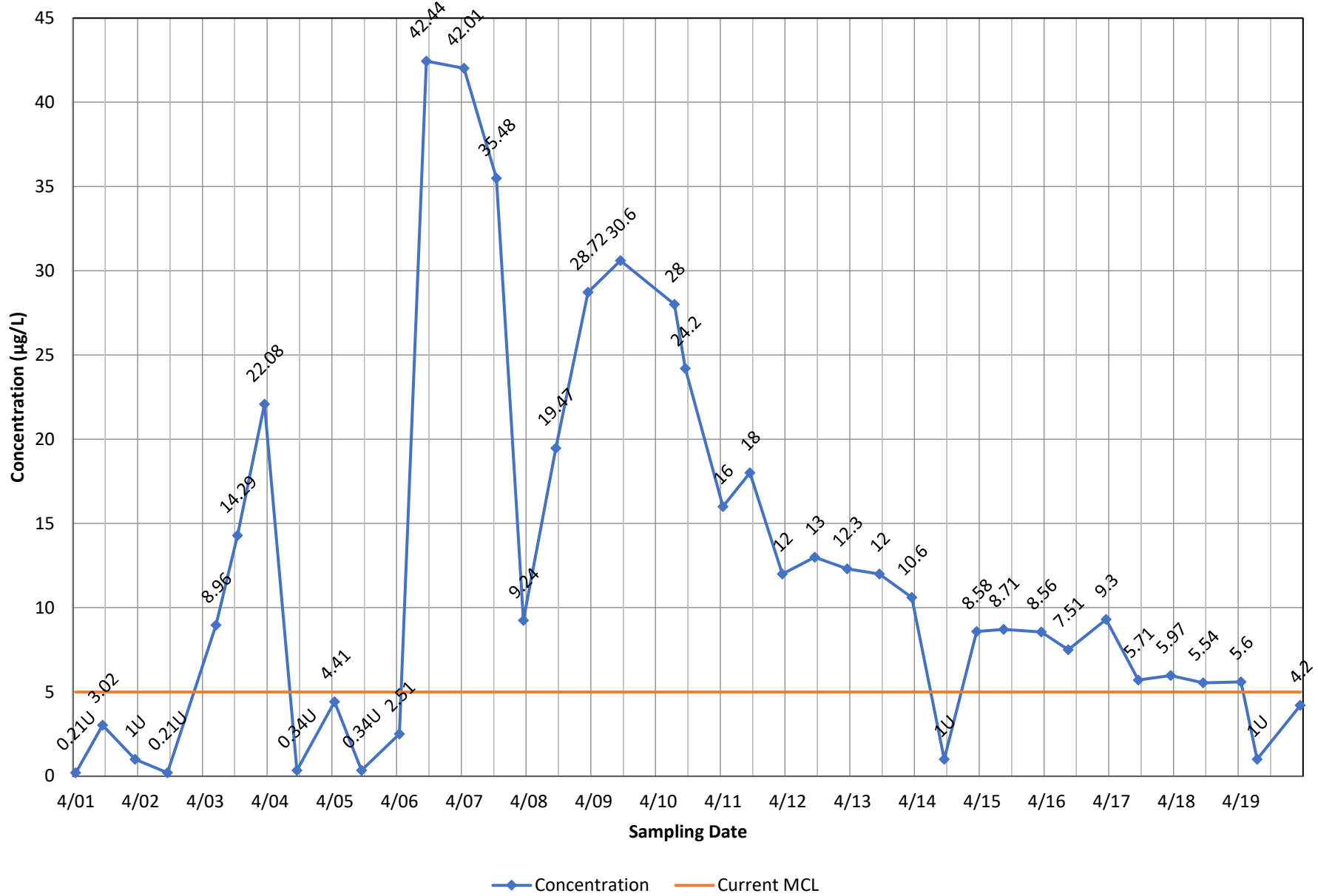
Monitoring Well OB11 - cis-1,2-Dichloroethene



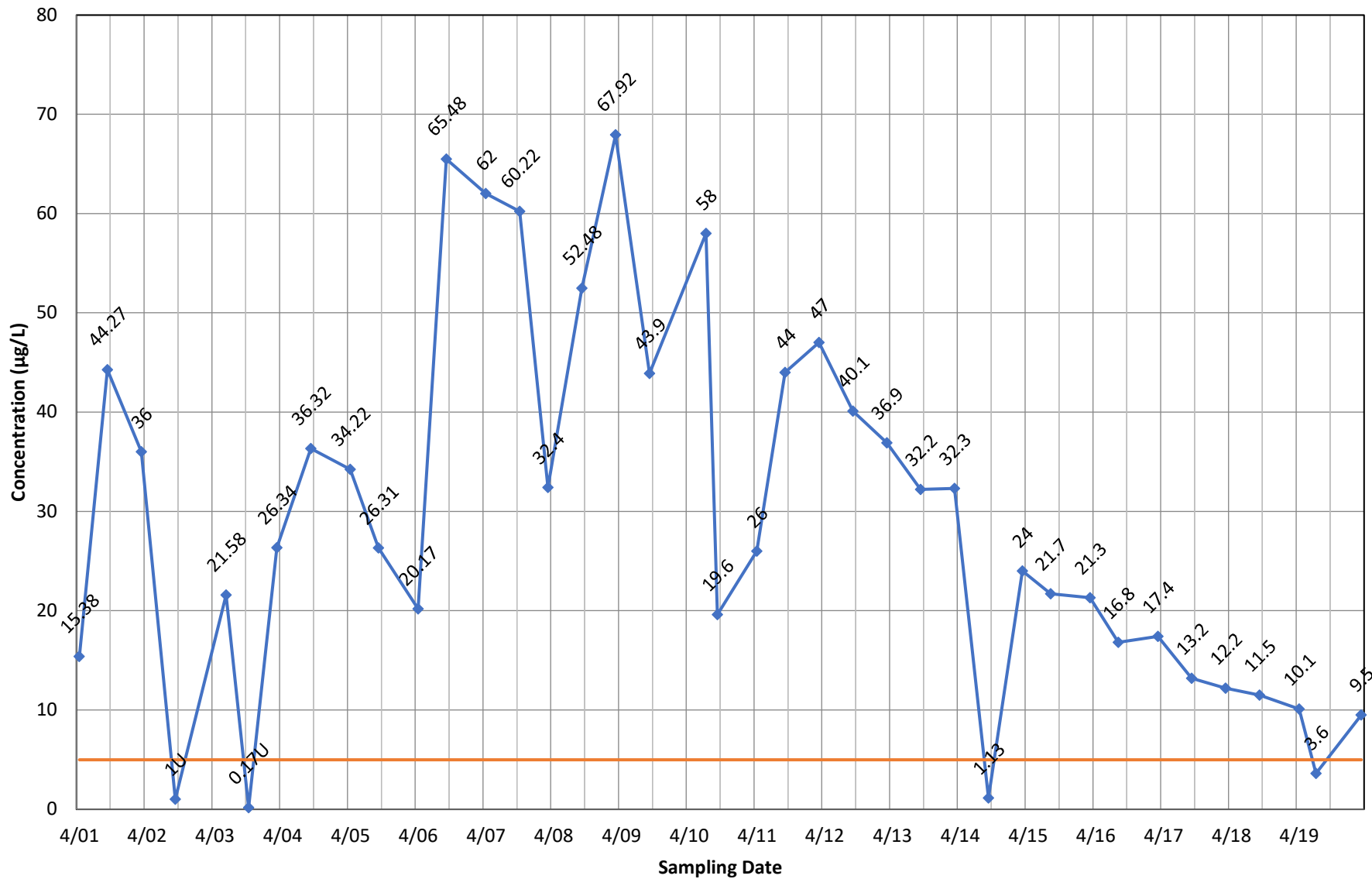
Monitoring Well OB11 - Mercury, total



Monitoring Well OB11 - Methylene Chloride

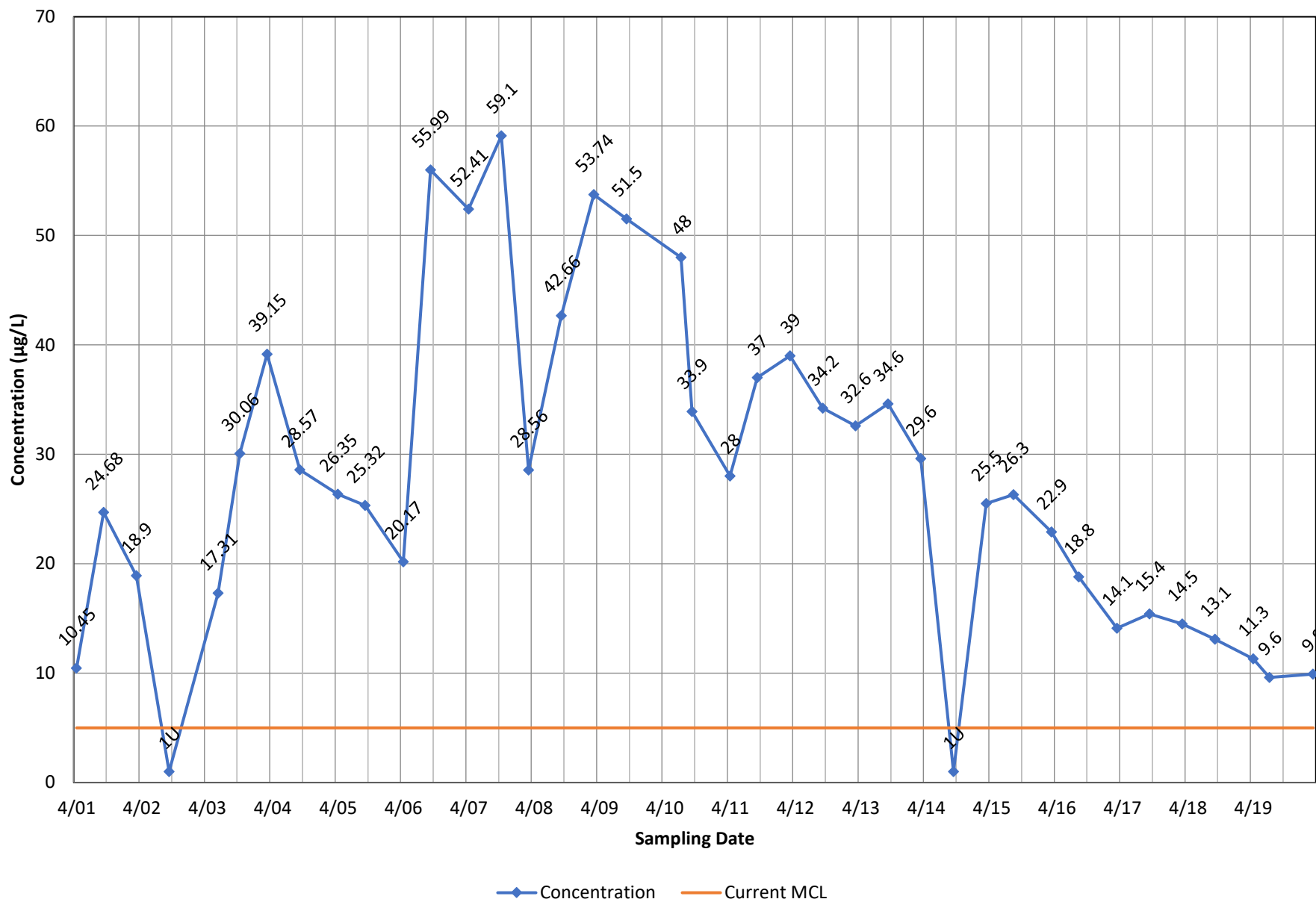


Monitoring Well OB11 - Tetrachloroethene

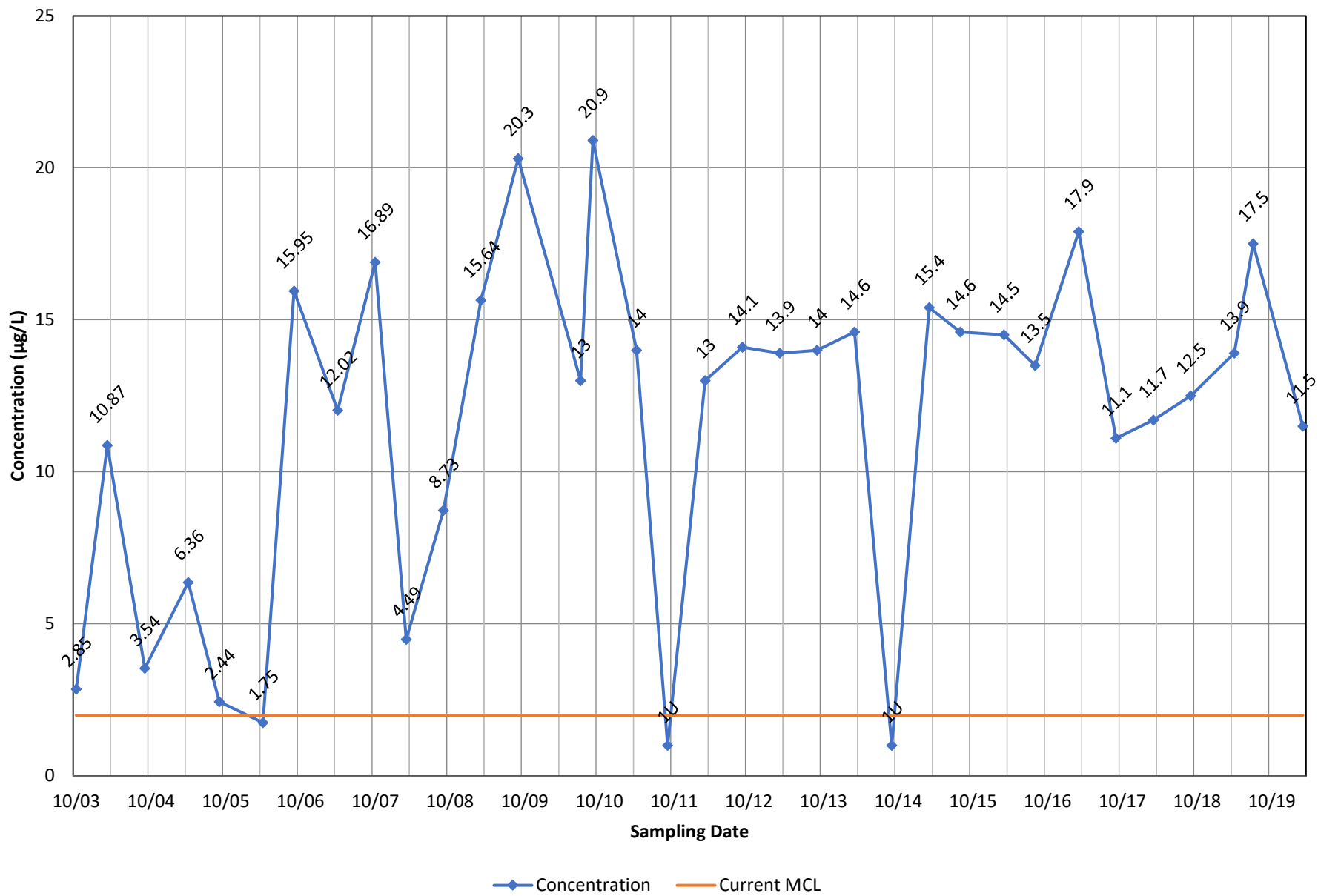


◆ Concentration — Current MCL

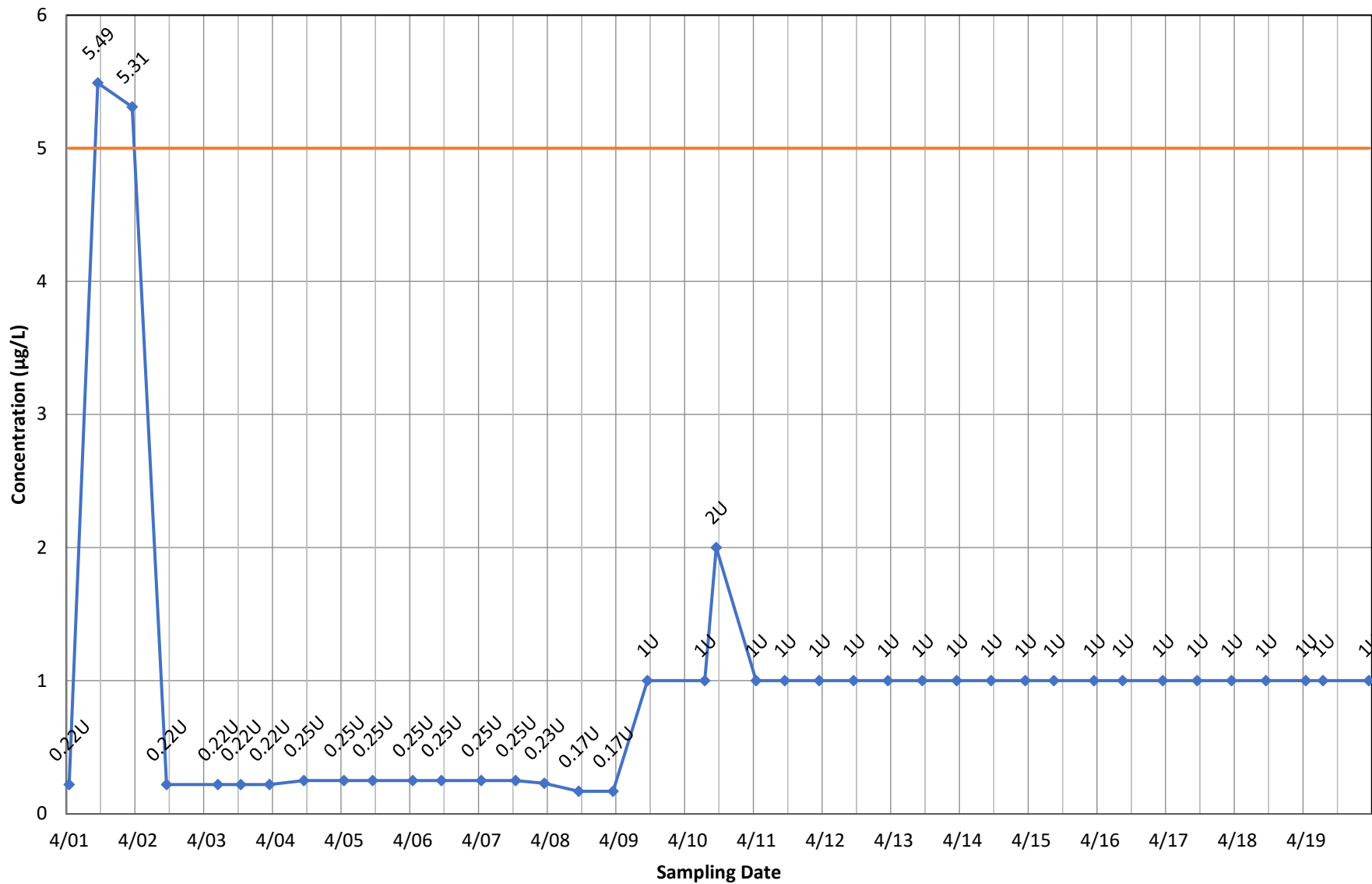
Monitoring Well OB11 - Trichloroethene



Monitoring Well OB11 - Vinyl Chloride

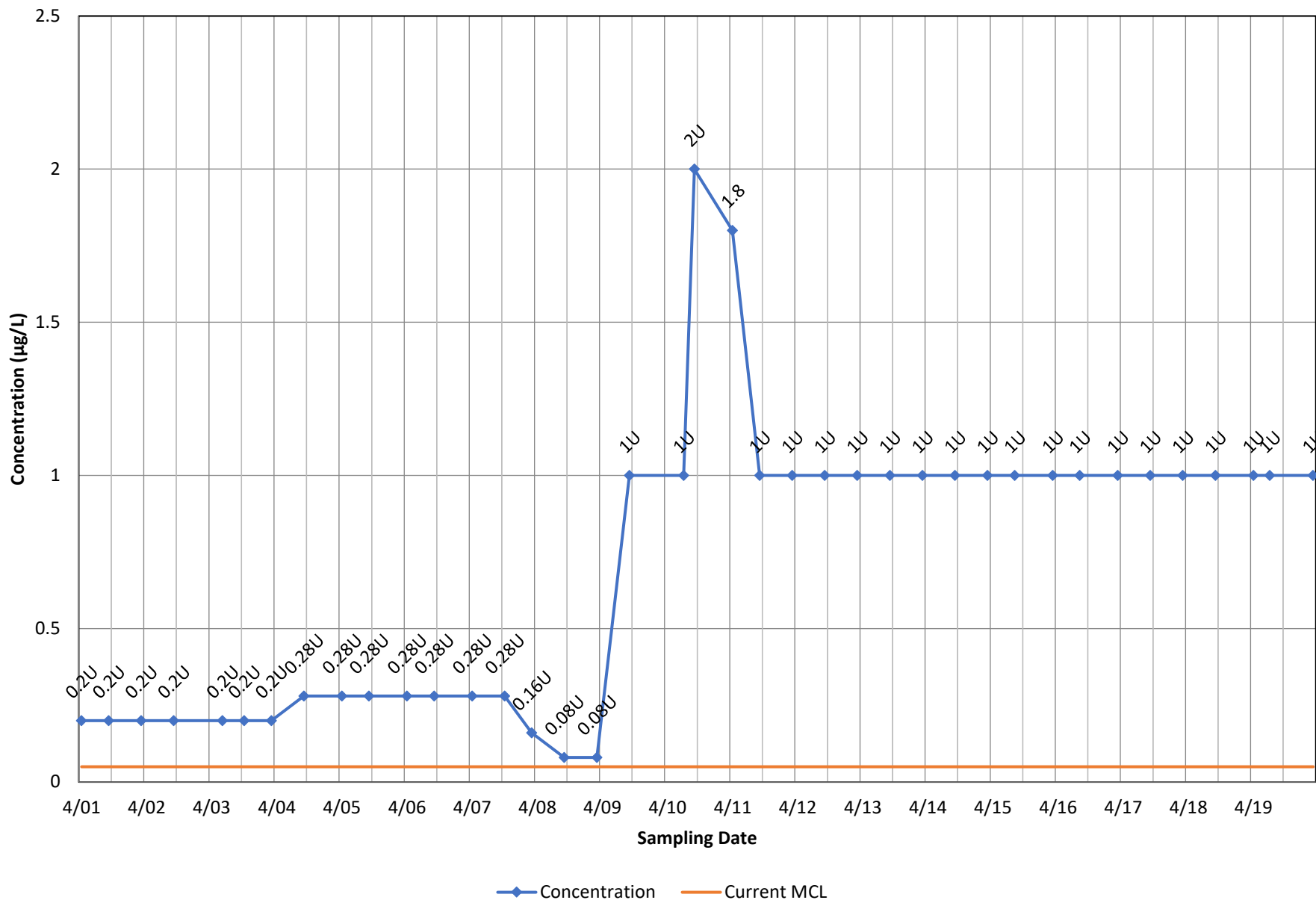


Monitoring Well OB11A - 1,1,2-Trichloroethane

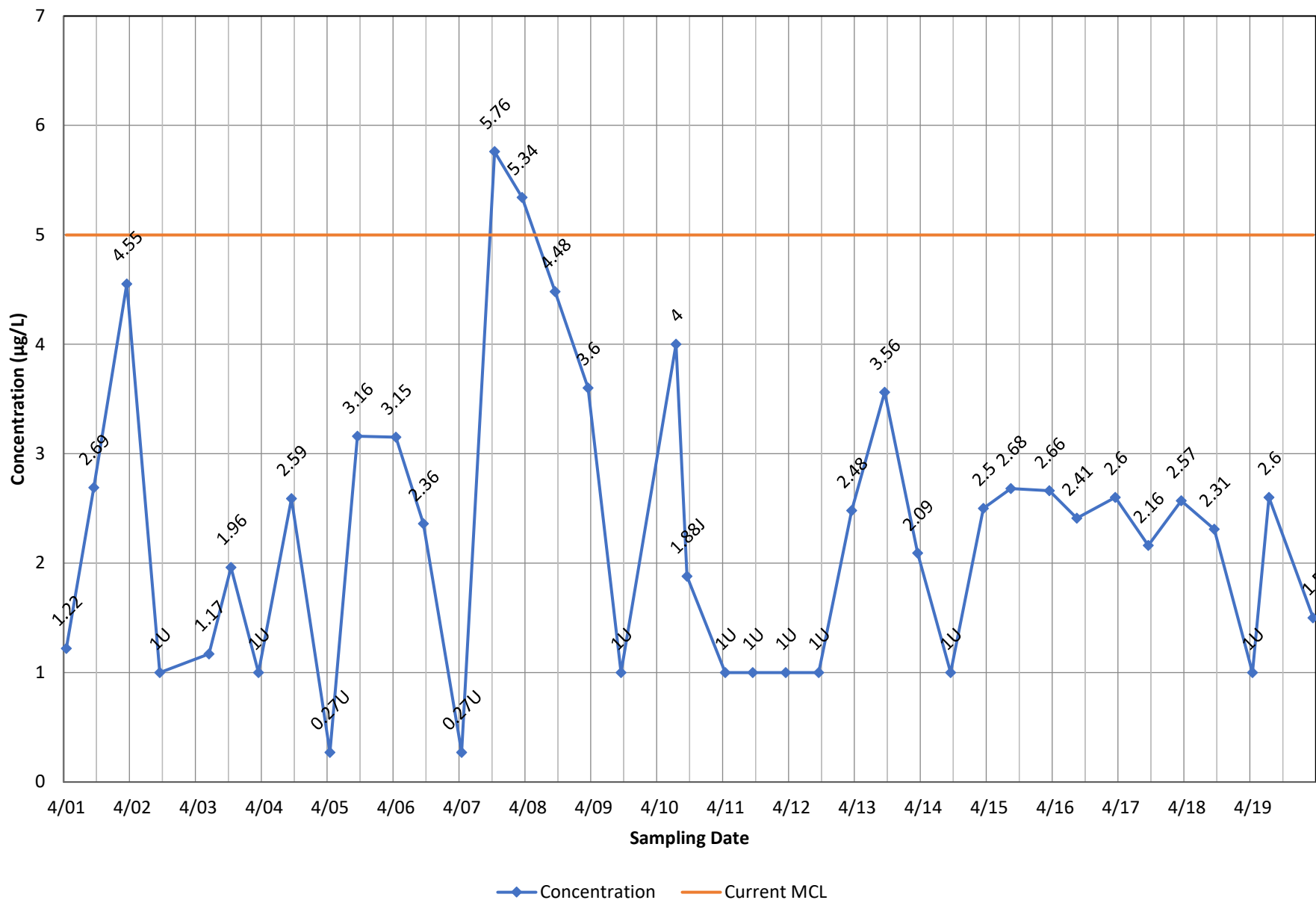


◆ Concentration — Current MCL

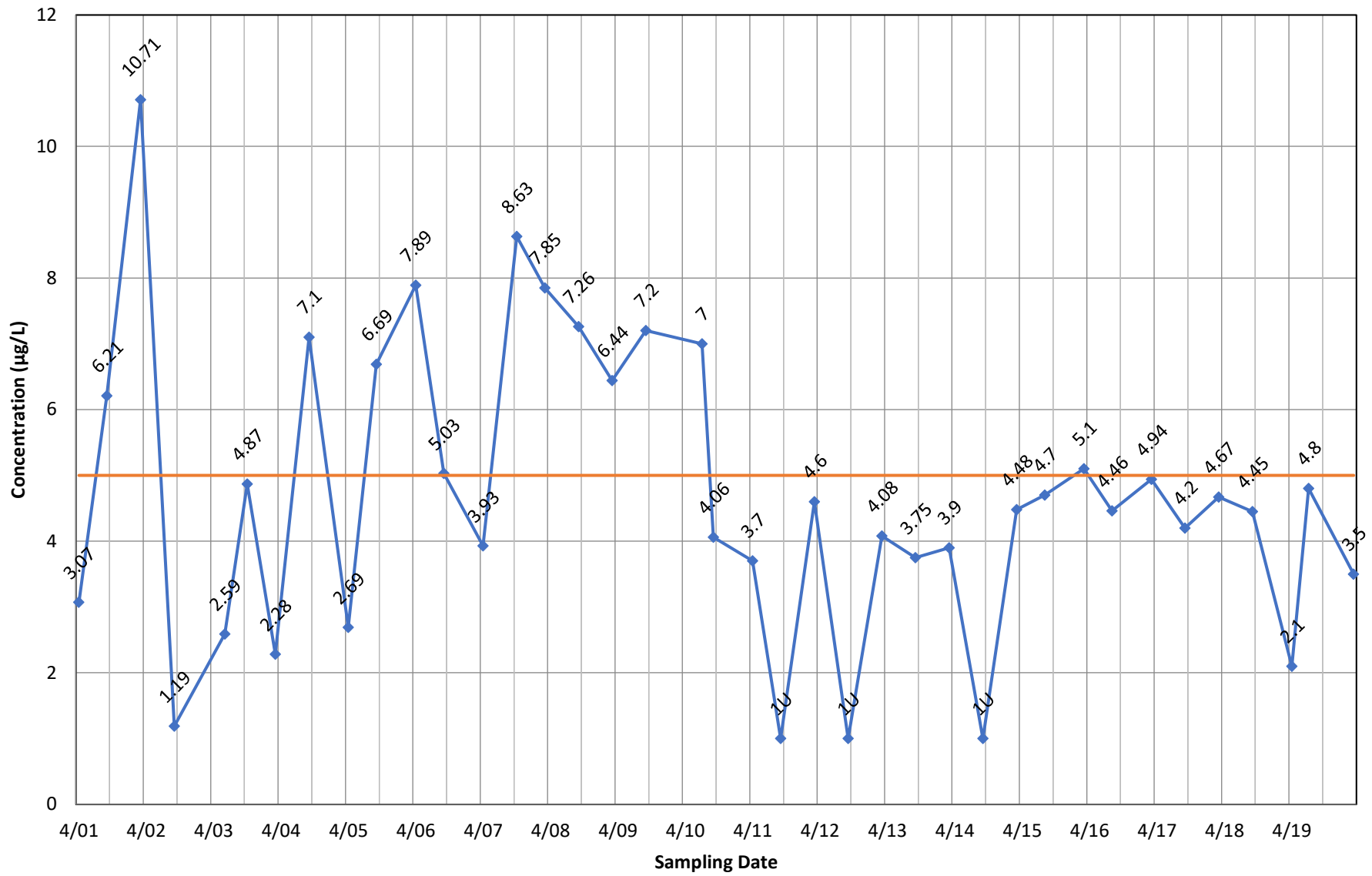
Monitoring Well OB11A - 1,2-Dibromoethane



Monitoring Well OB11A - 1,2-Dichloroethane

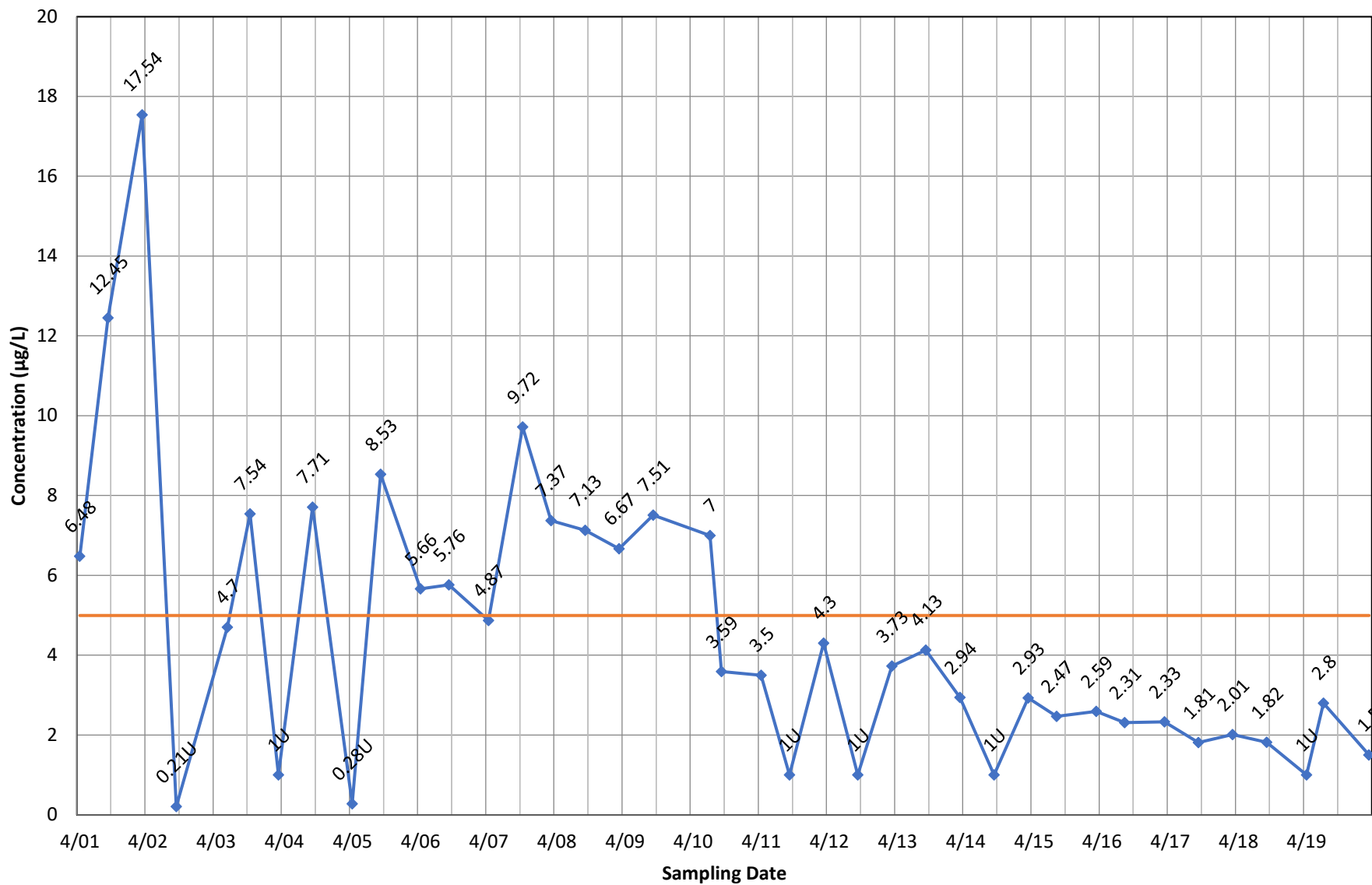


Monitoring Well OB11A - 1,2-Dichloropropane



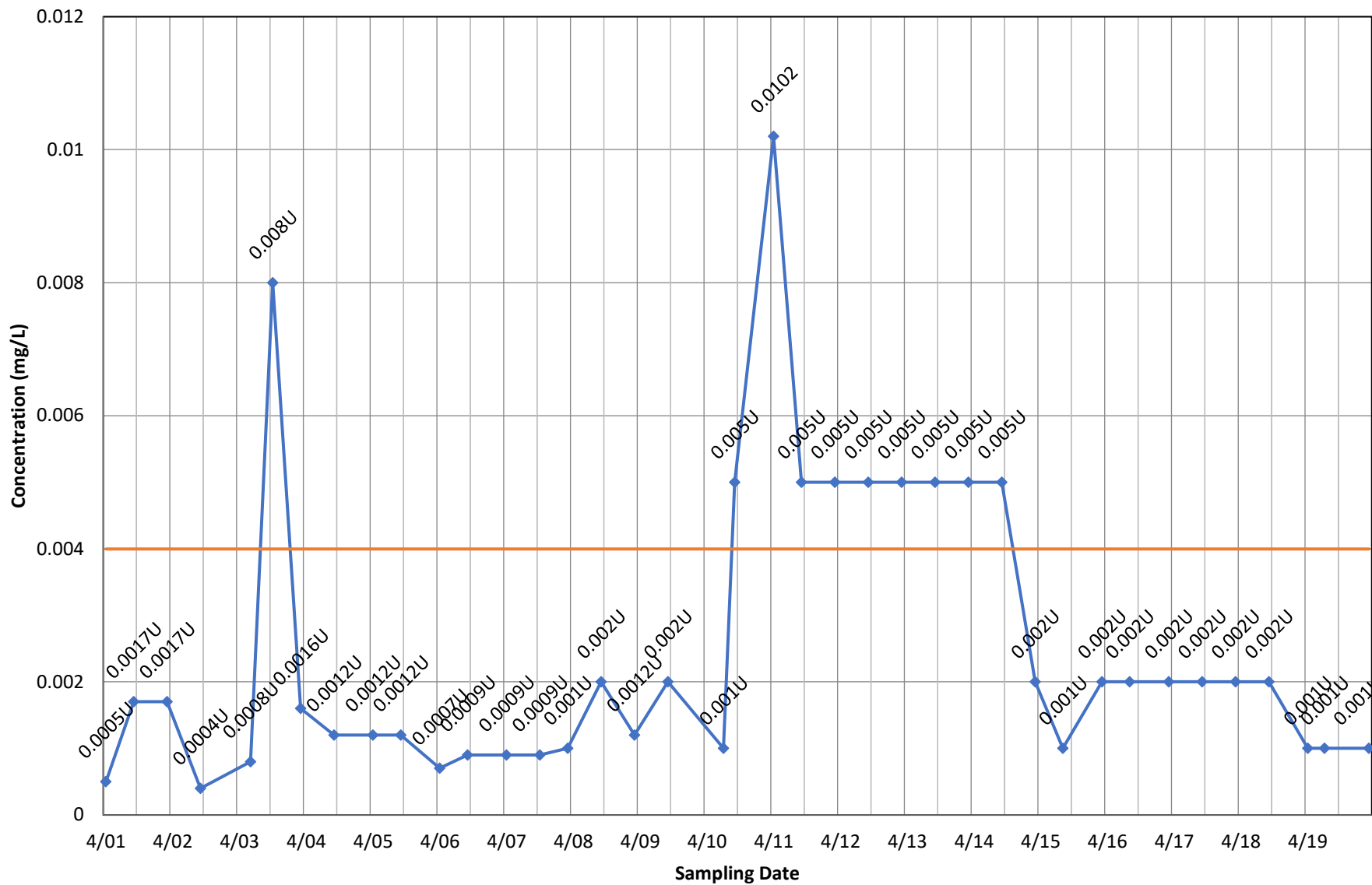
◆ Concentration — Current MCL

Monitoring Well OB11A - Benzene



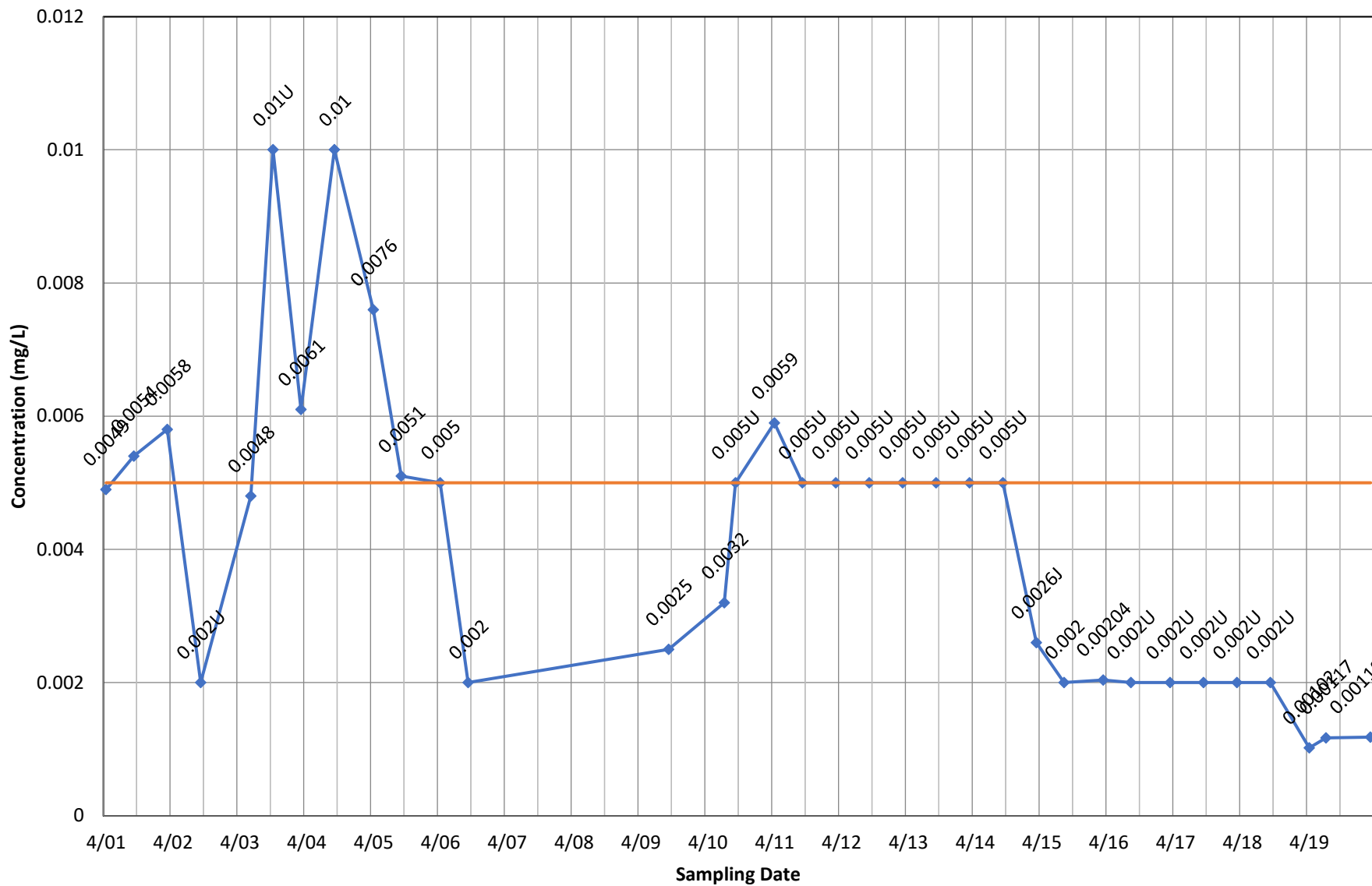
◆ Concentration — Current MCL

Monitoring Well OB11A - Beryllium, total



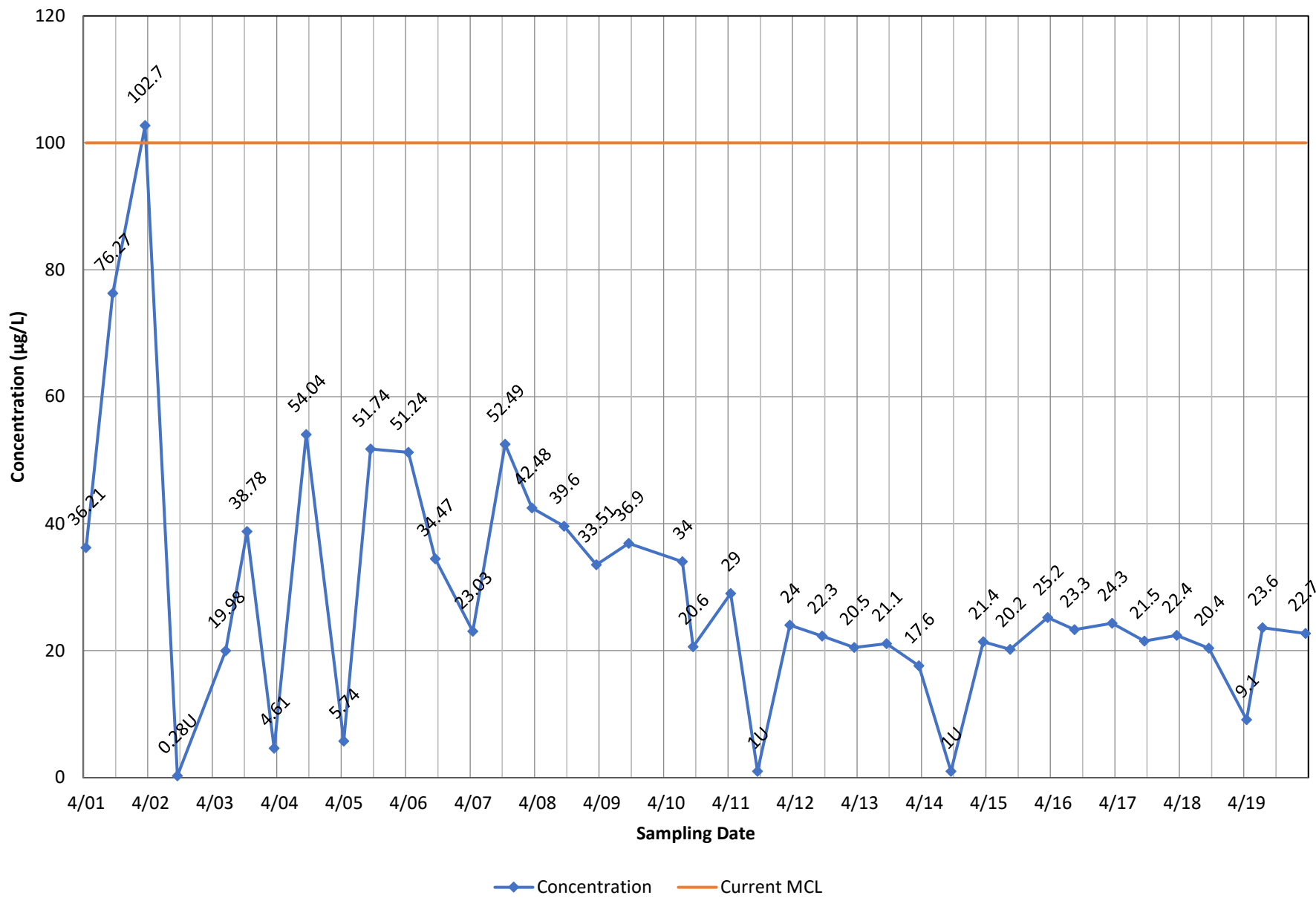
—◆— Concentration — Current MCL

Monitoring Well OB11A - Cadmium, total

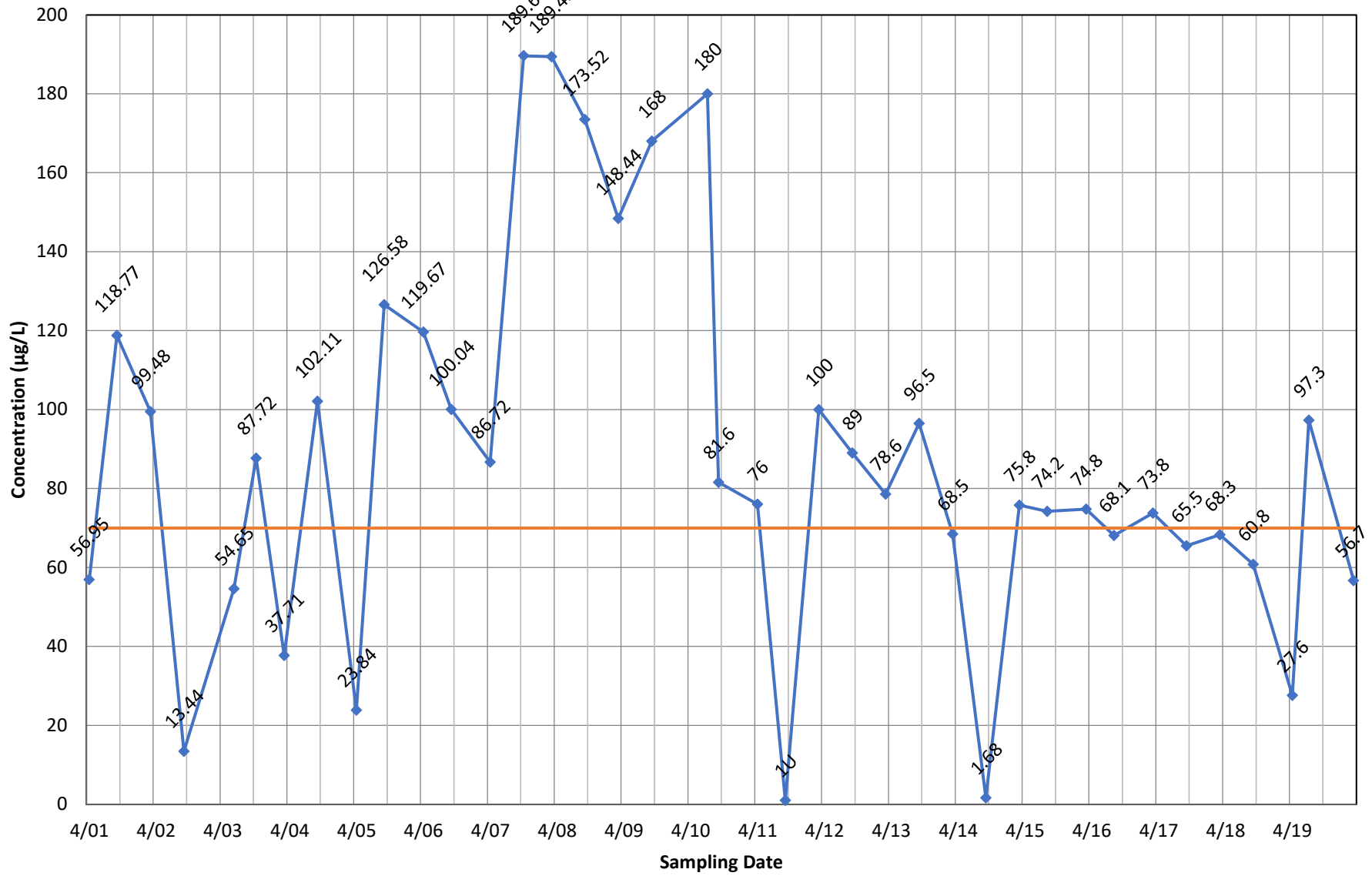


◆ Concentration — Current MCL

Monitoring Well OB11A - Chlorobenzene

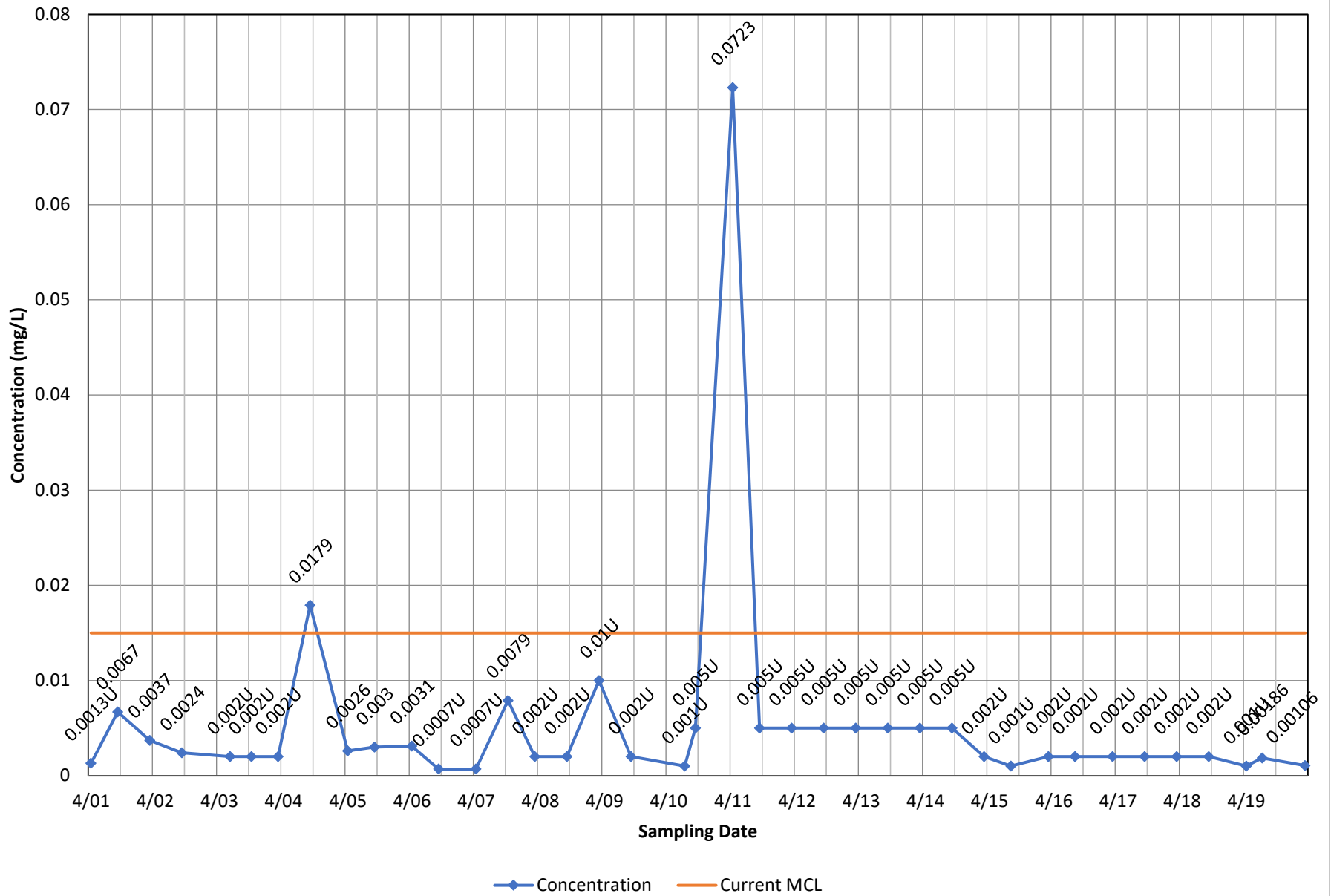


Monitoring Well OB11A - cis-1,2-Dichloroethene

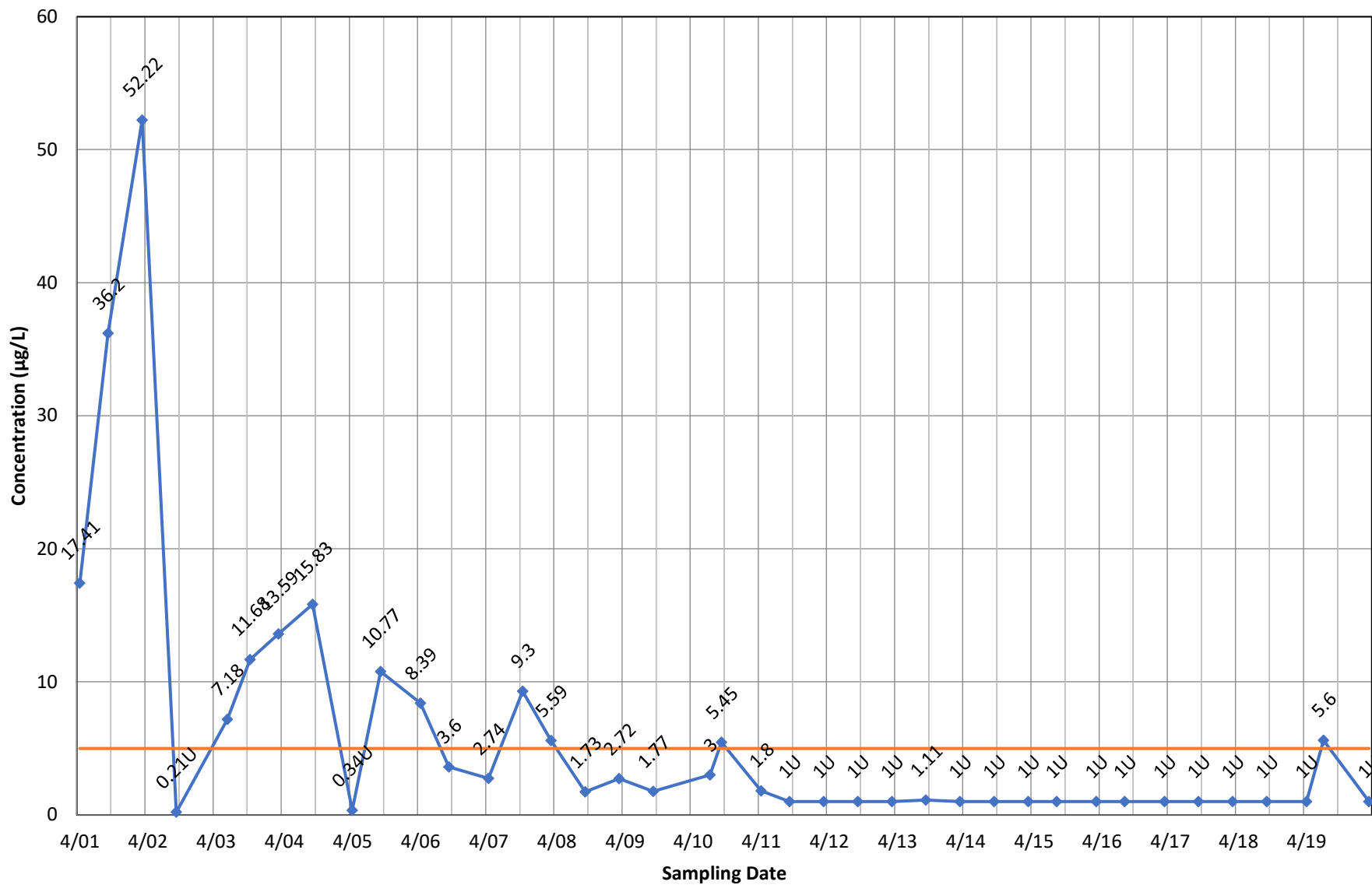


◆ Concentration — Current MCL

Monitoring Well OB11A - Lead, total

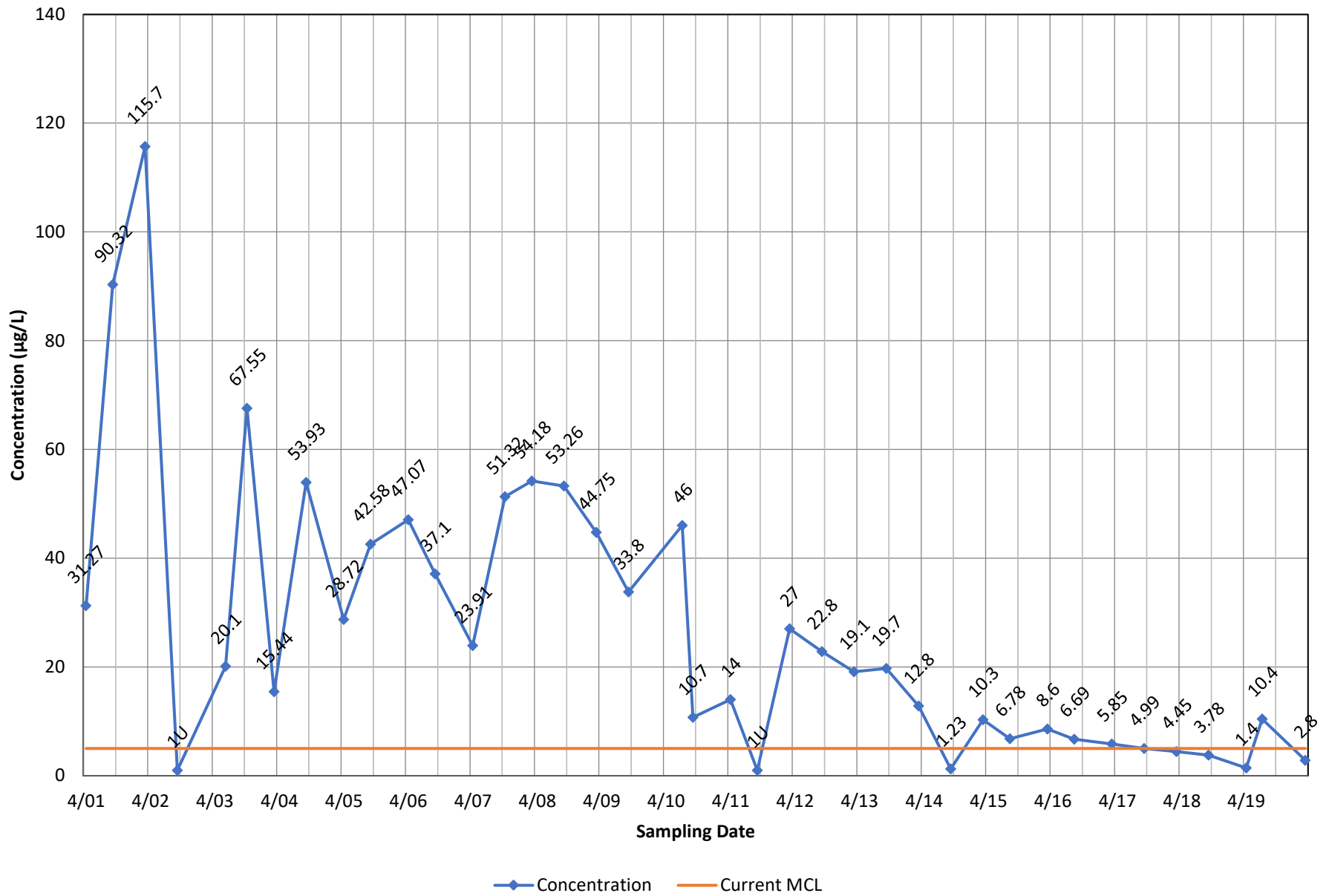


Monitoring Well OB11A - Methylene Chloride

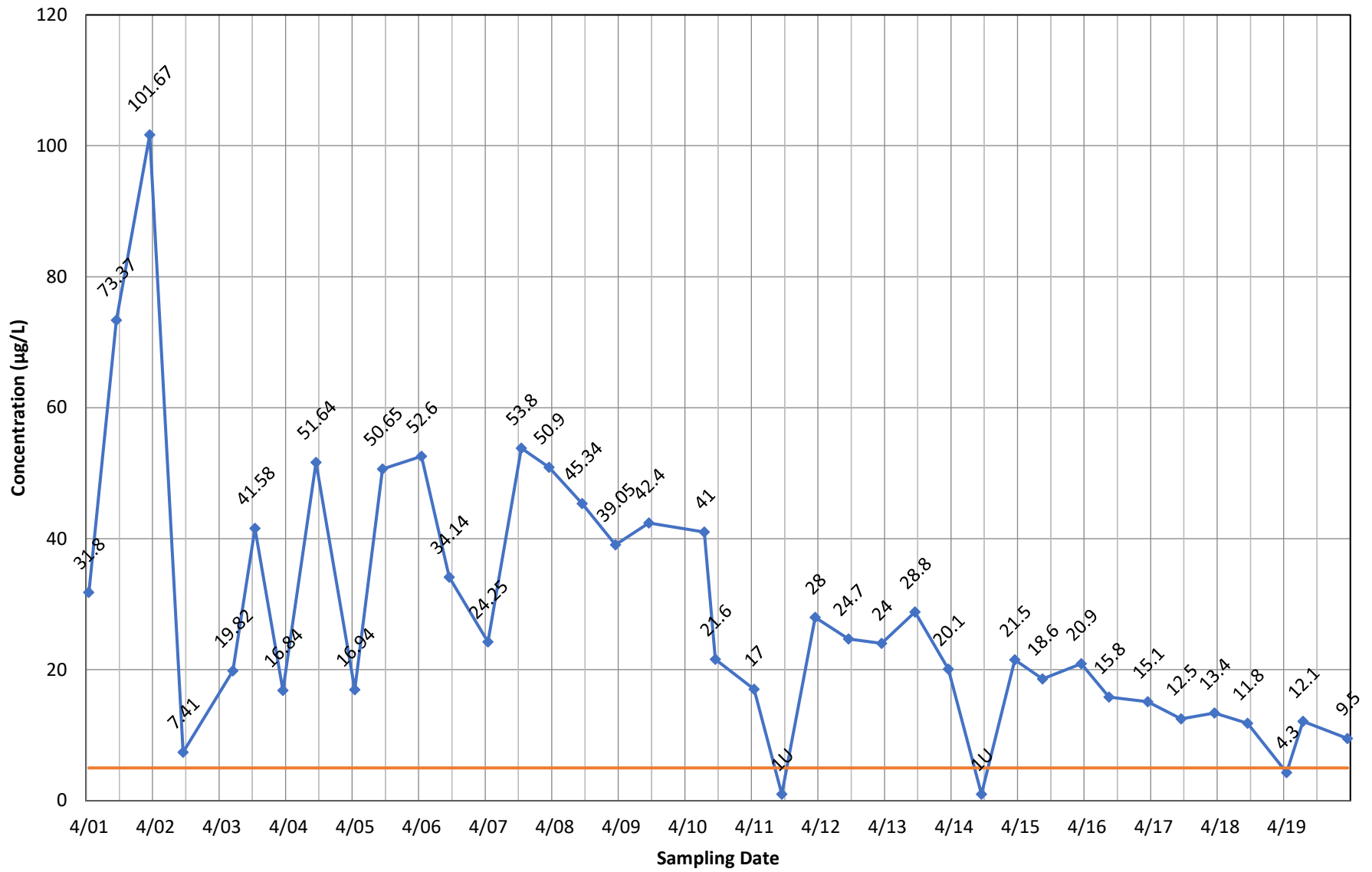


◆ Concentration — Current MCL

Monitoring Well OB11A - Tetrachloroethene

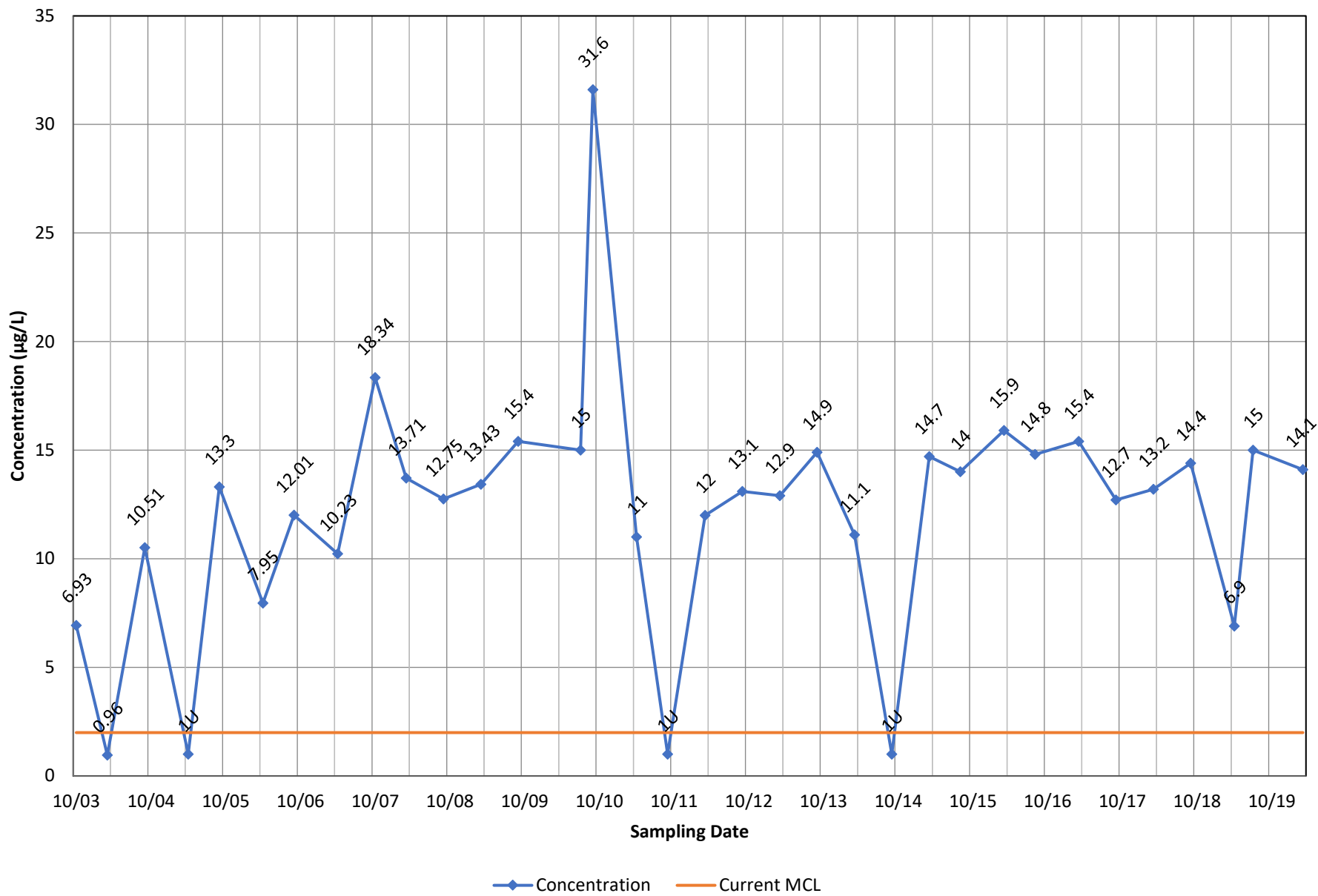


Monitoring Well OB11A - Trichloroethene

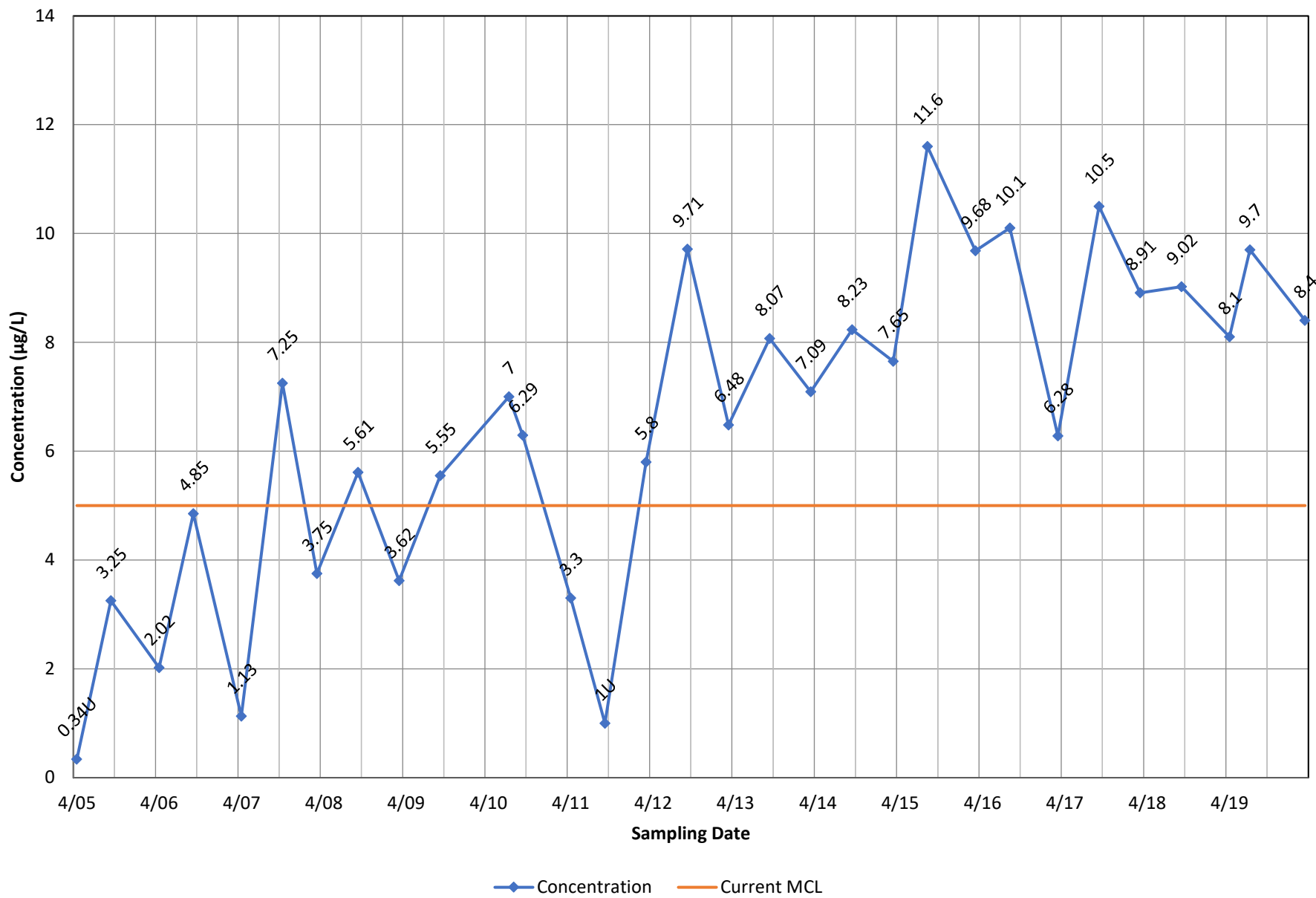


◆ Concentration — Current MCL

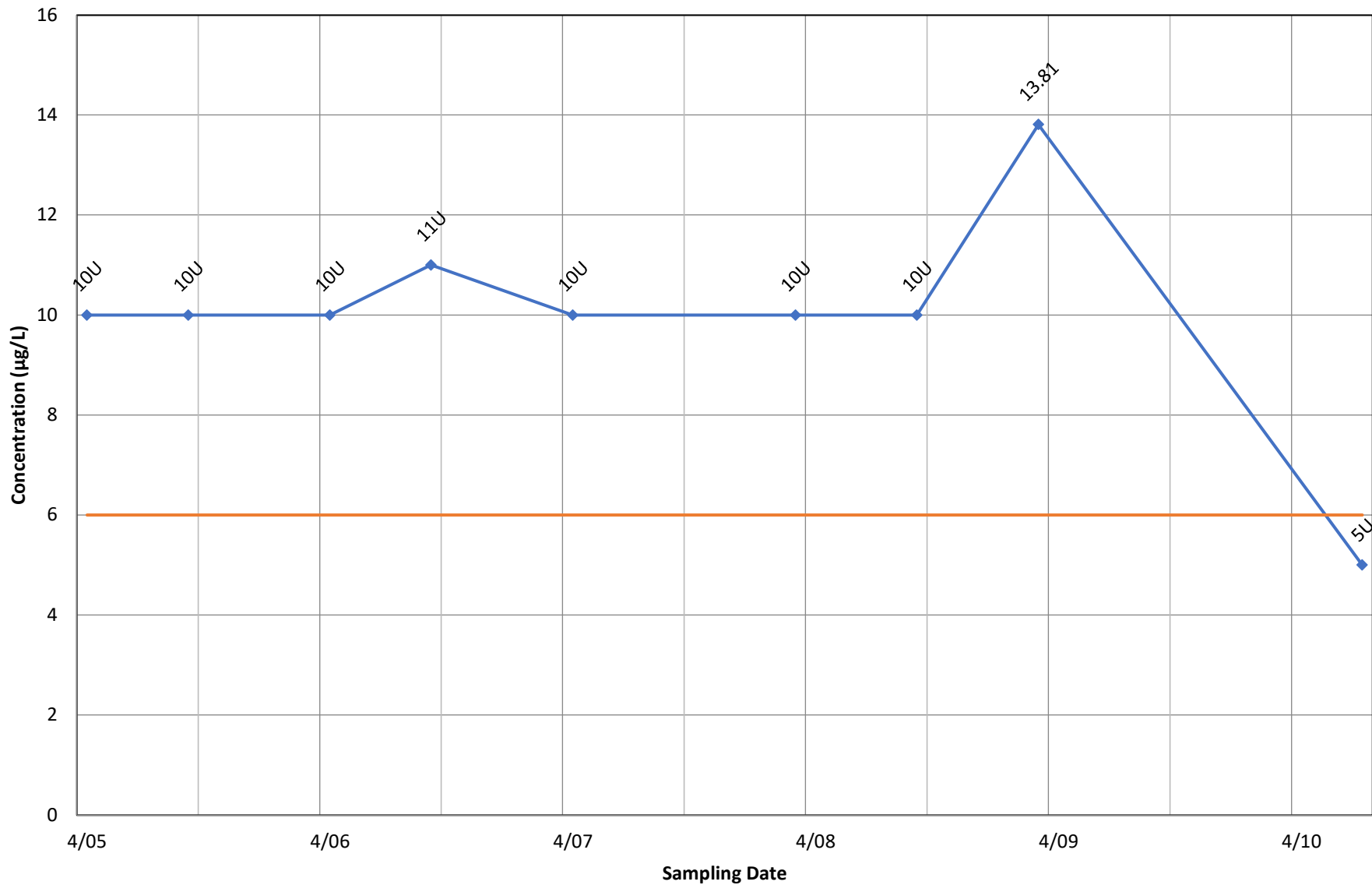
Monitoring Well OB11A - Vinyl Chloride



Monitoring Well OB12 - 1,2-Dichloropropane

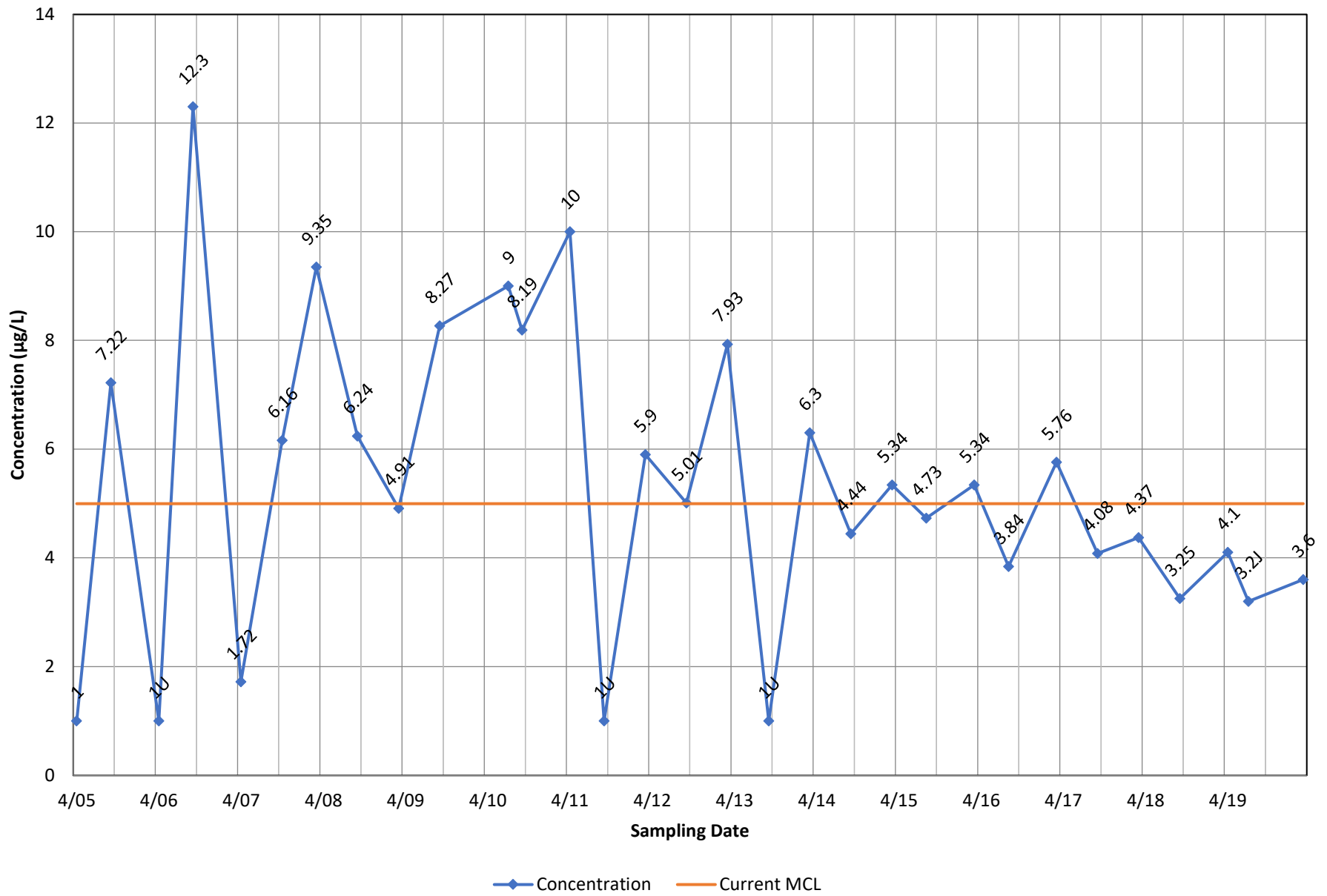


Monitoring Well OB12 - Bis(2-Ethylhexyl) Phthalate

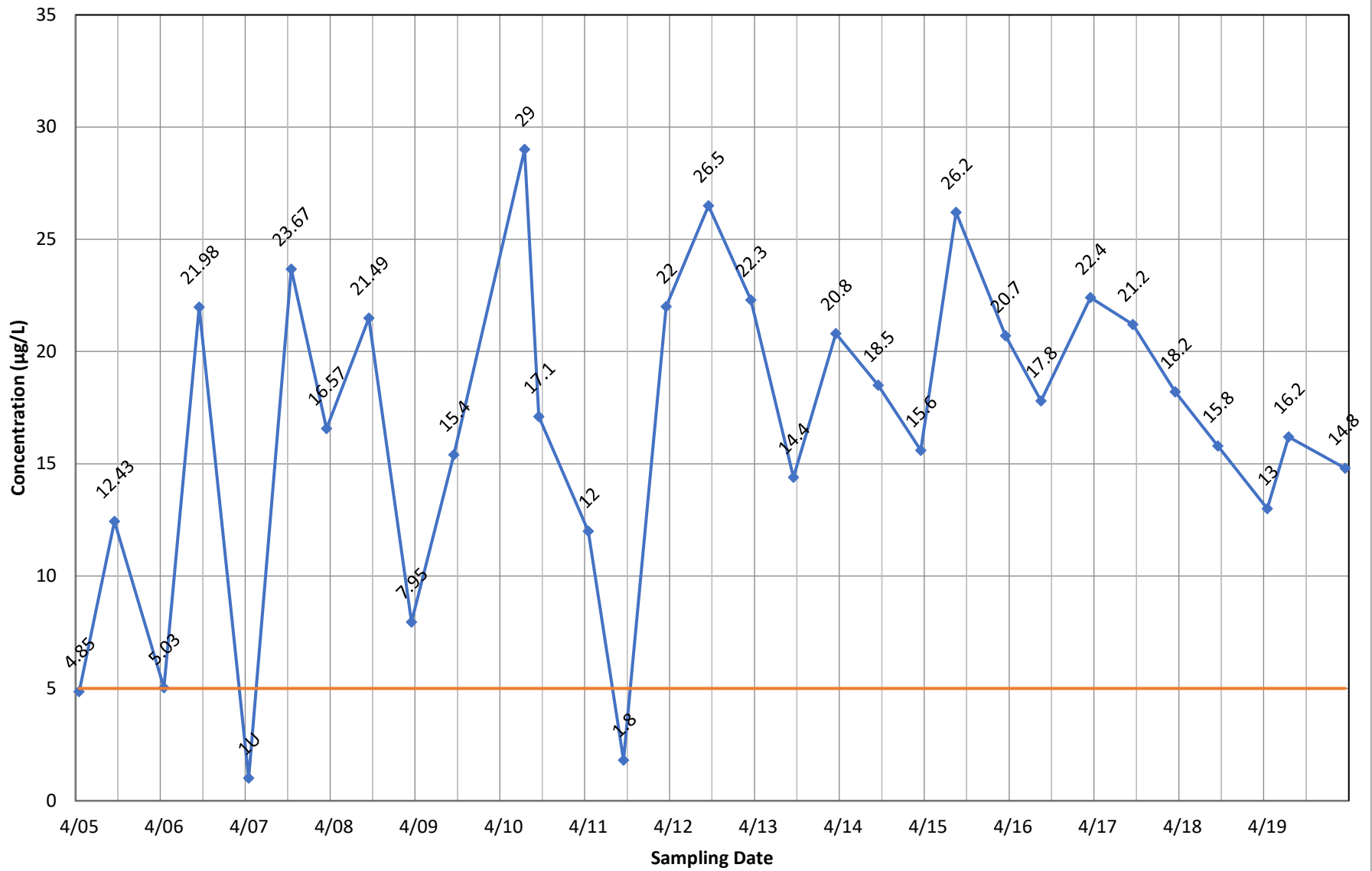


◆ Concentration — Current MCL

Monitoring Well OB12 - Methylene Chloride

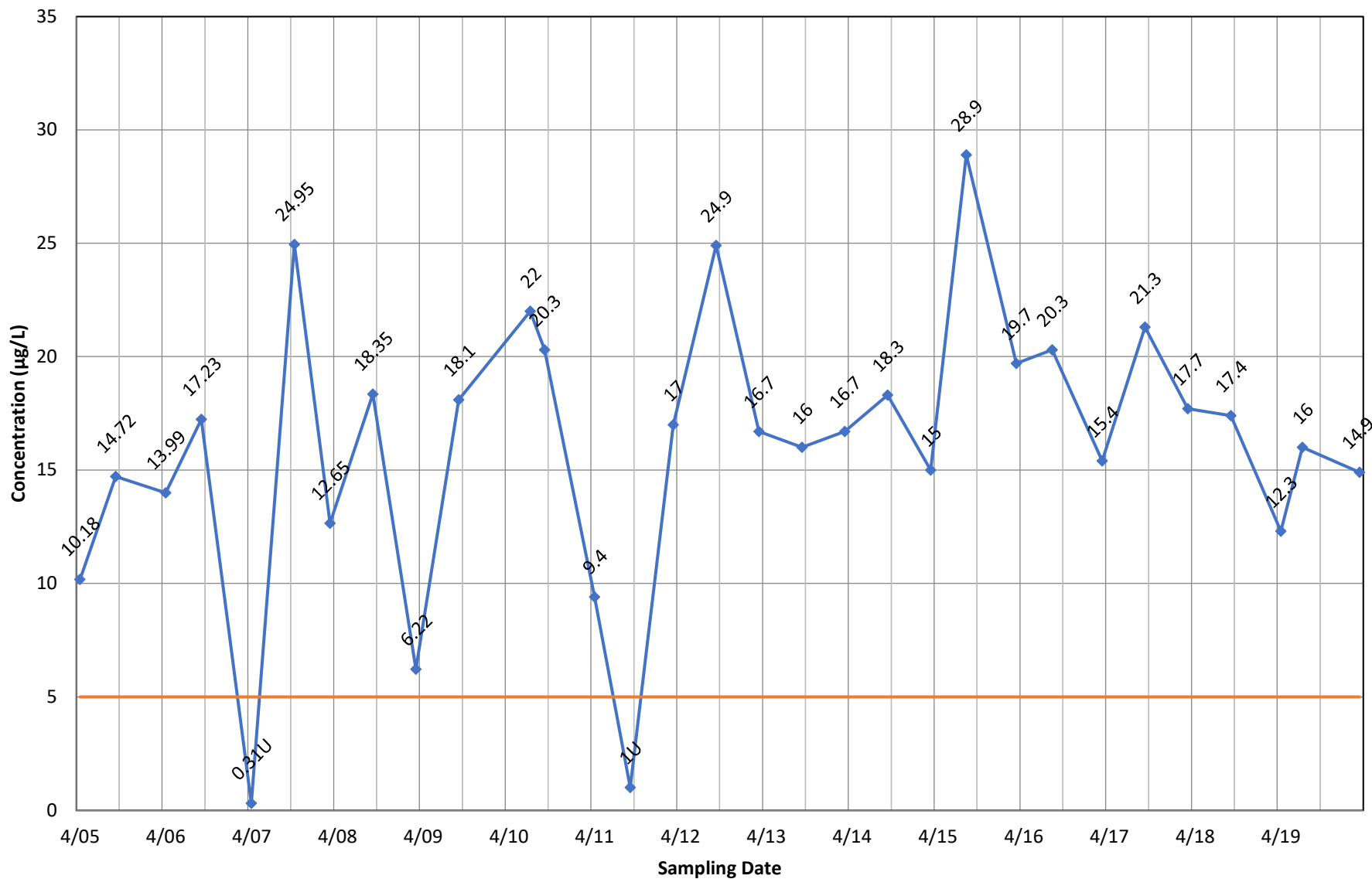


Monitoring Well OB12 - Tetrachloroethene



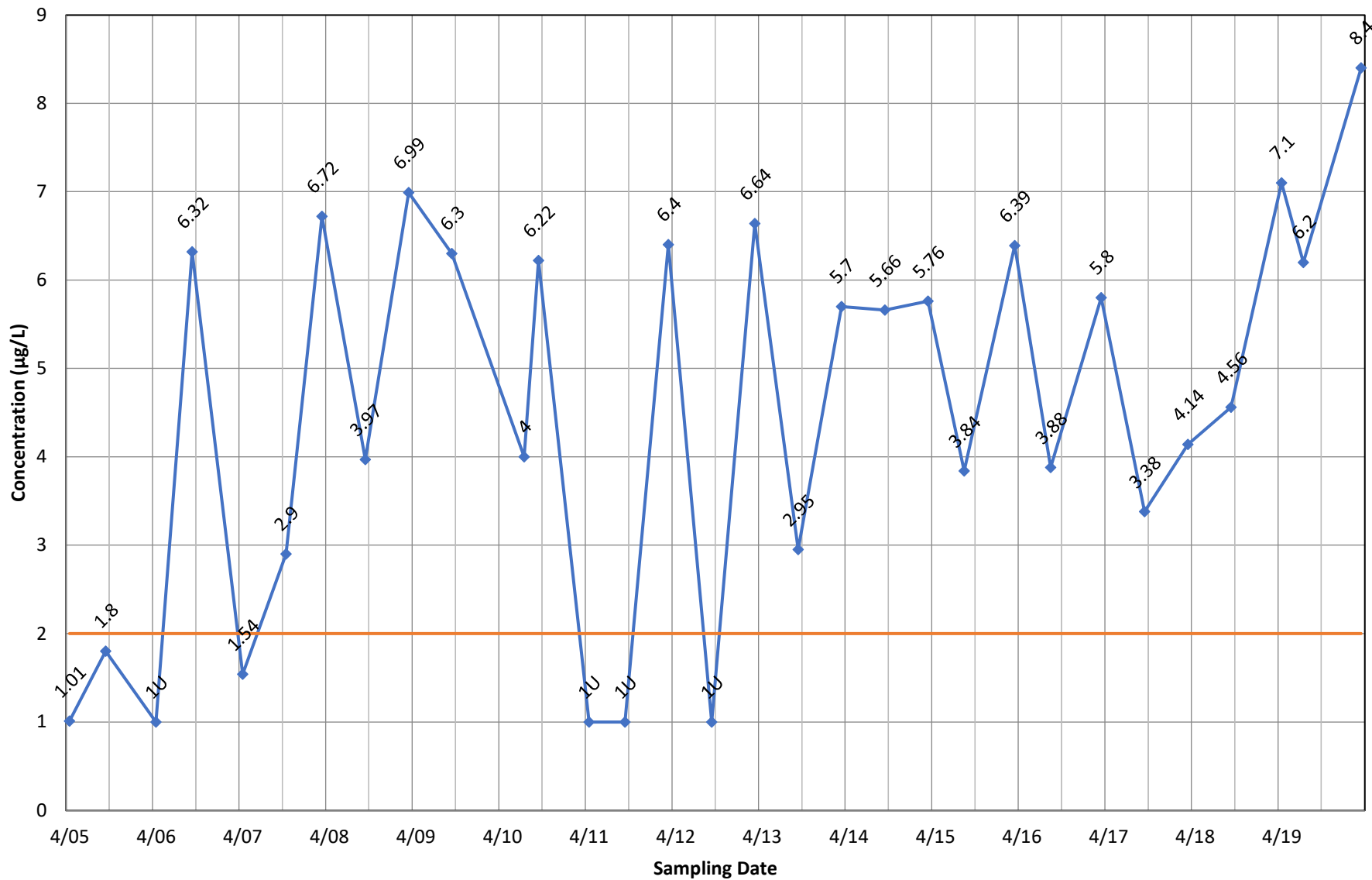
◆ Concentration — Current MCL

Monitoring Well OB12 - Trichloroethene



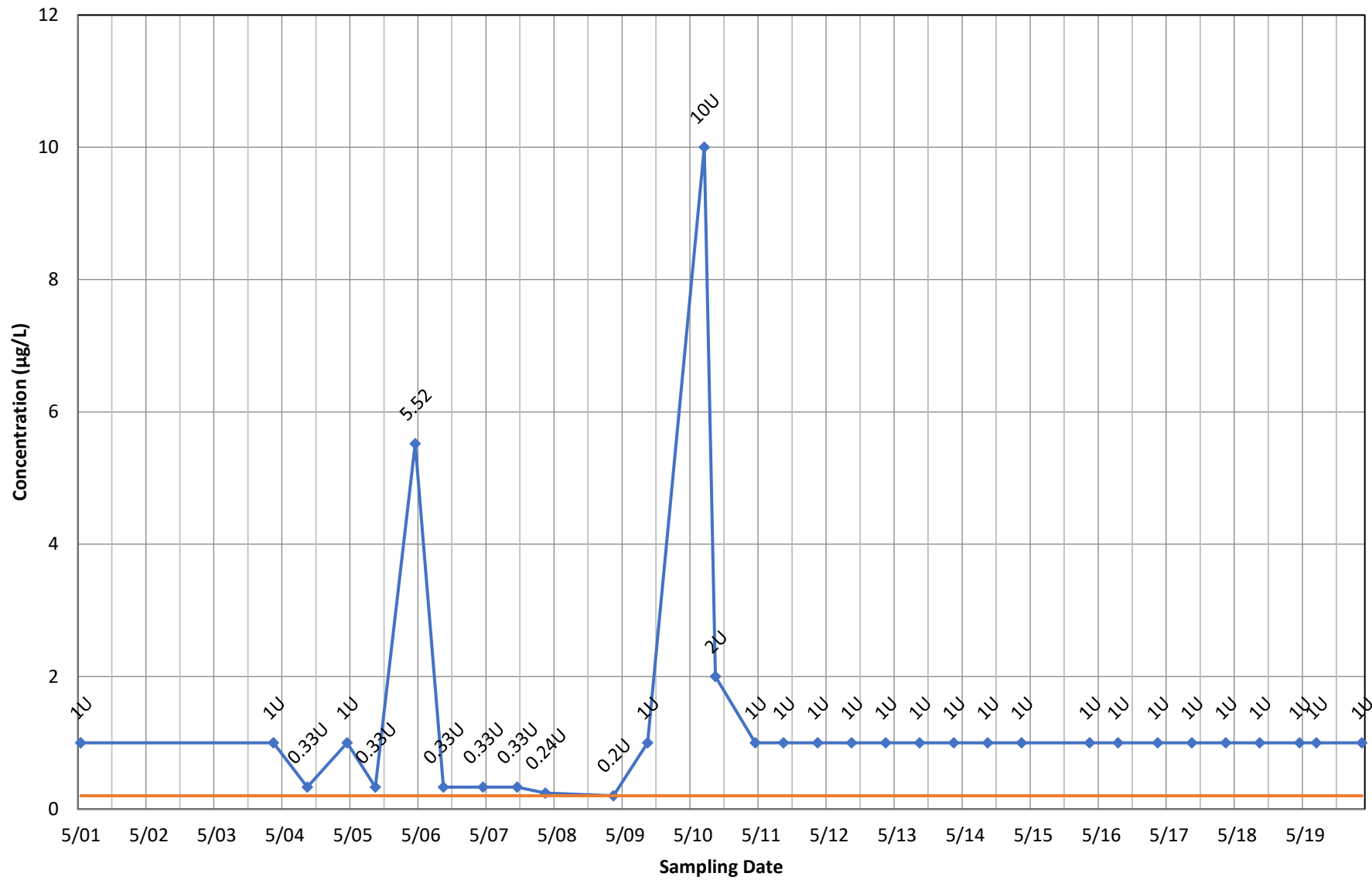
◆ Concentration — Current MCL

Monitoring Well OB12 - Vinyl Chloride



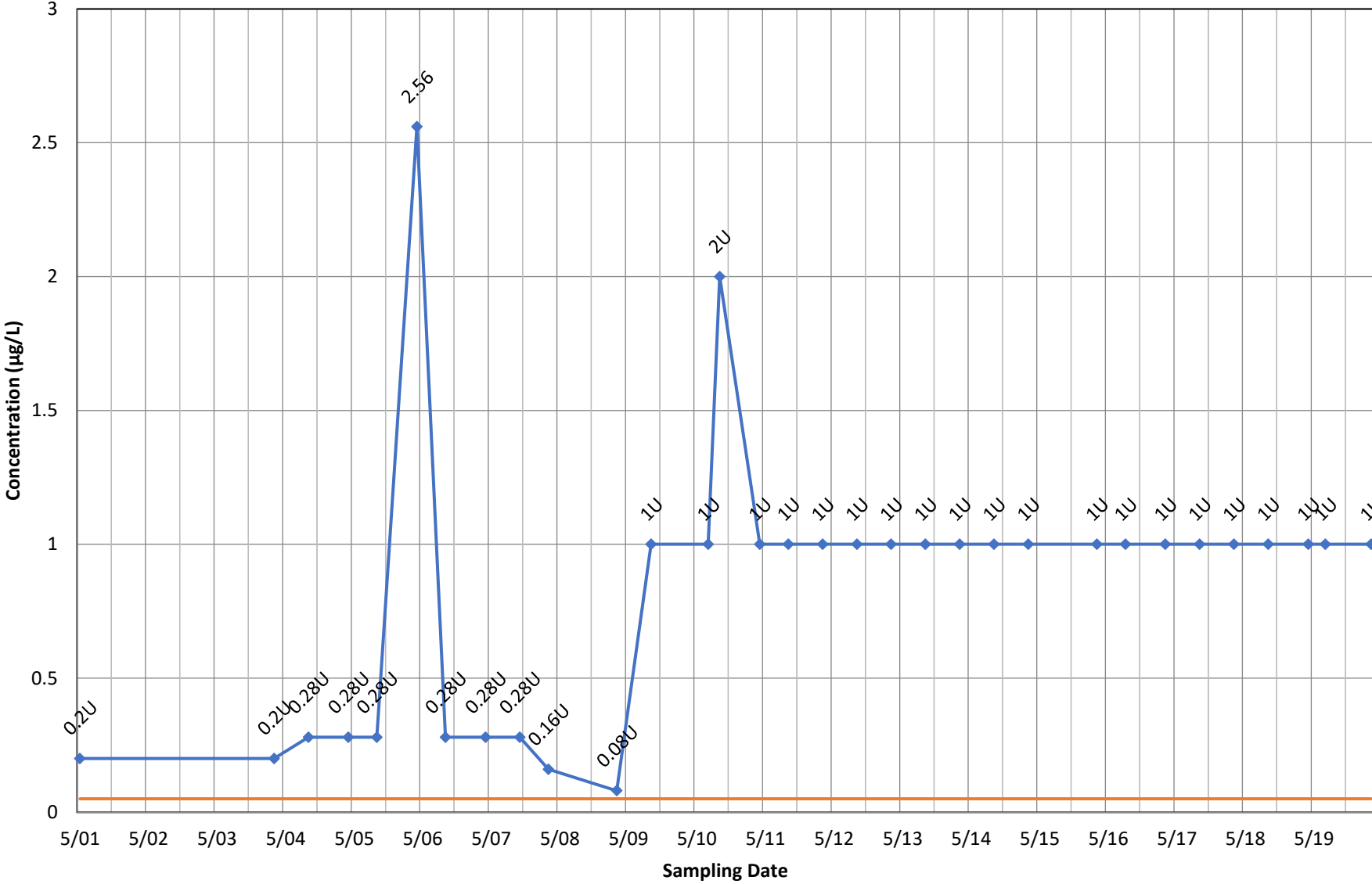
◆ Concentration — Current MCL

Monitoring Well ST015 - 1,2-Dibromo-3-chloropropane



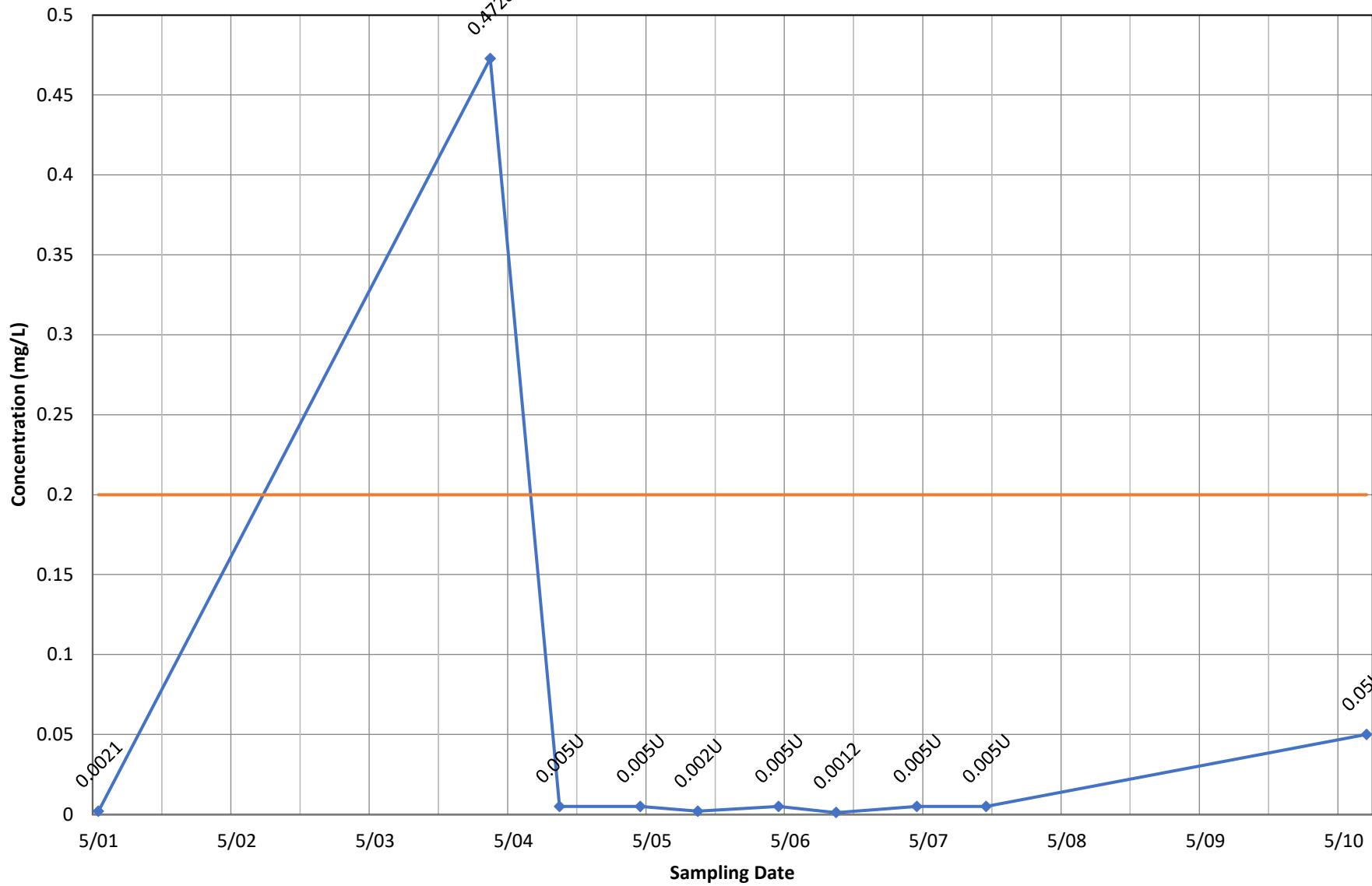
◆ Concentration — Current MCL

Monitoring Well ST015 - 1,2-Dibromoethane



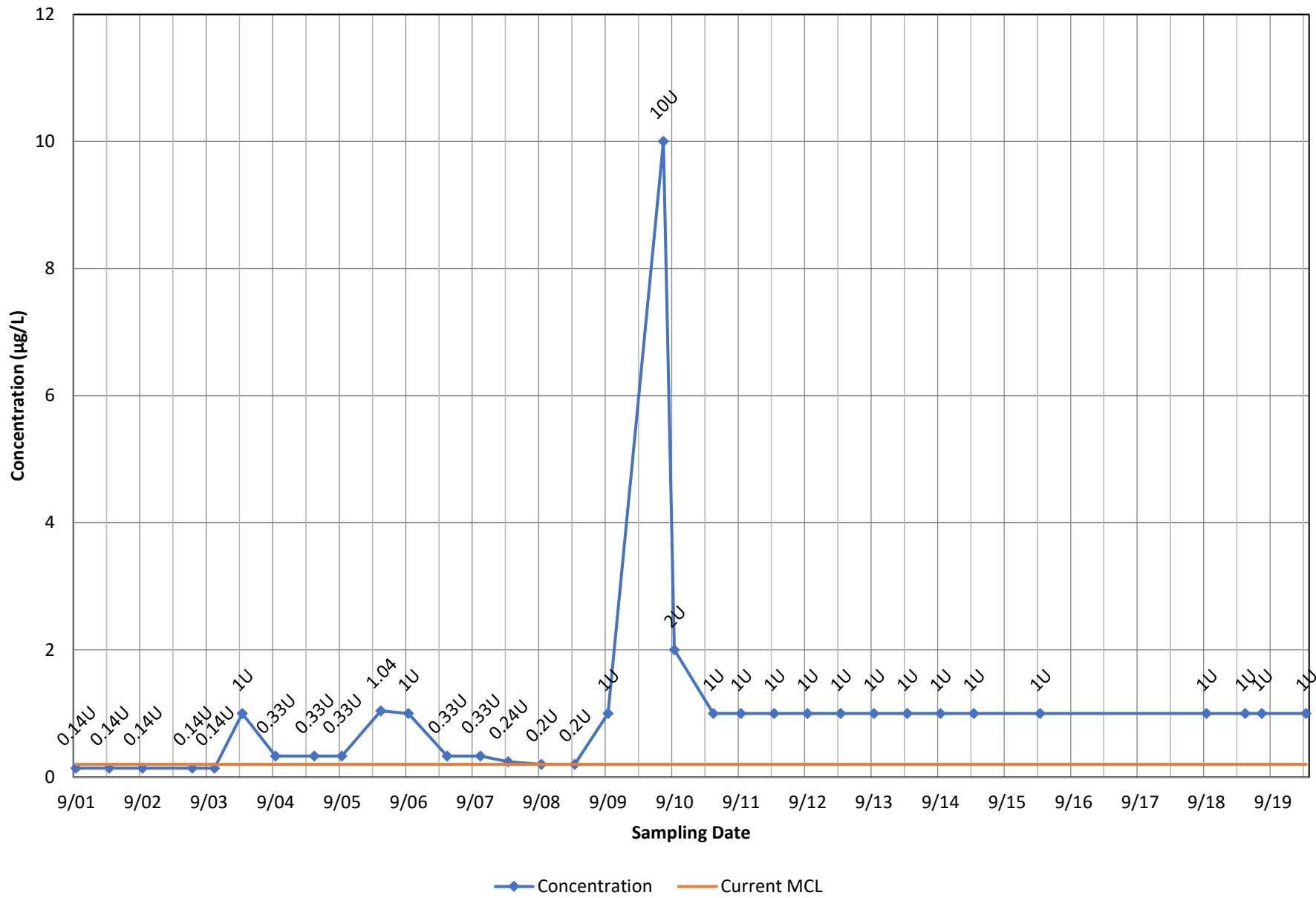
◆ Concentration — Current MCL

Monitoring Well ST015 - Cyanide, Total

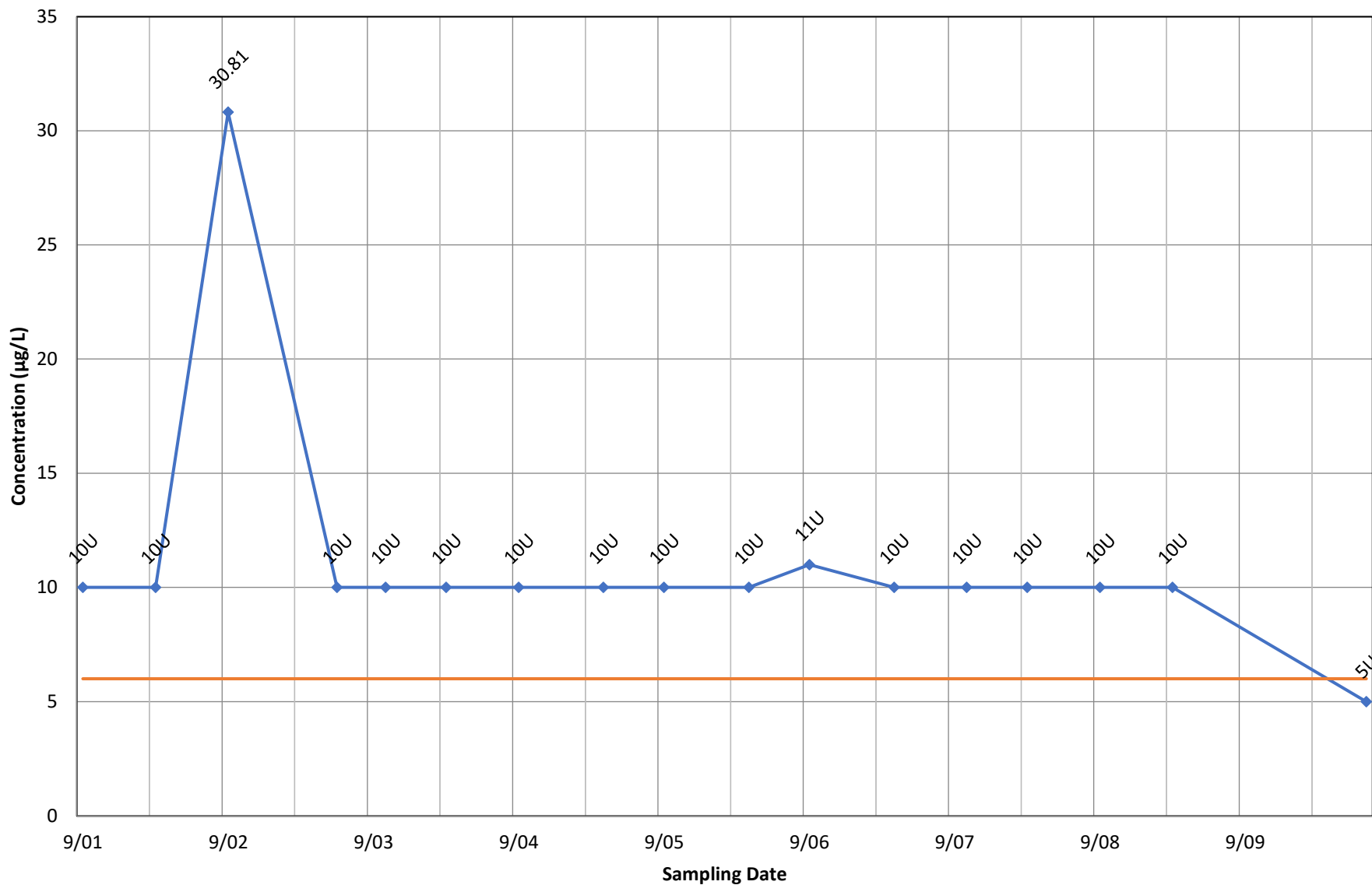


◆ Concentration — Current MCL

Monitoring Well ST065 - 1,2-Dibromo-3-chloropropane

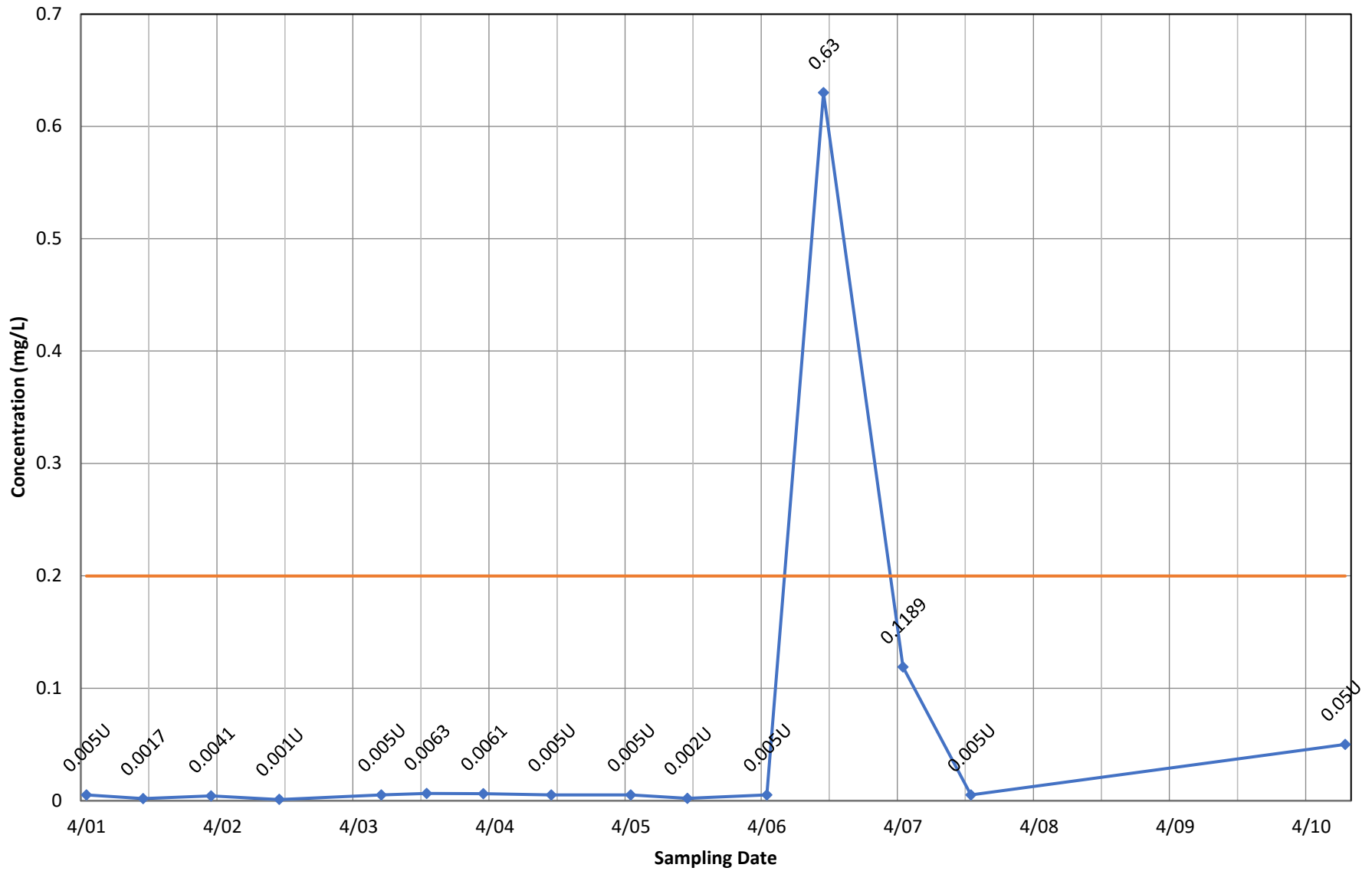


Monitoring Well ST065 - Bis(2-Ethylhexyl) Phthalate



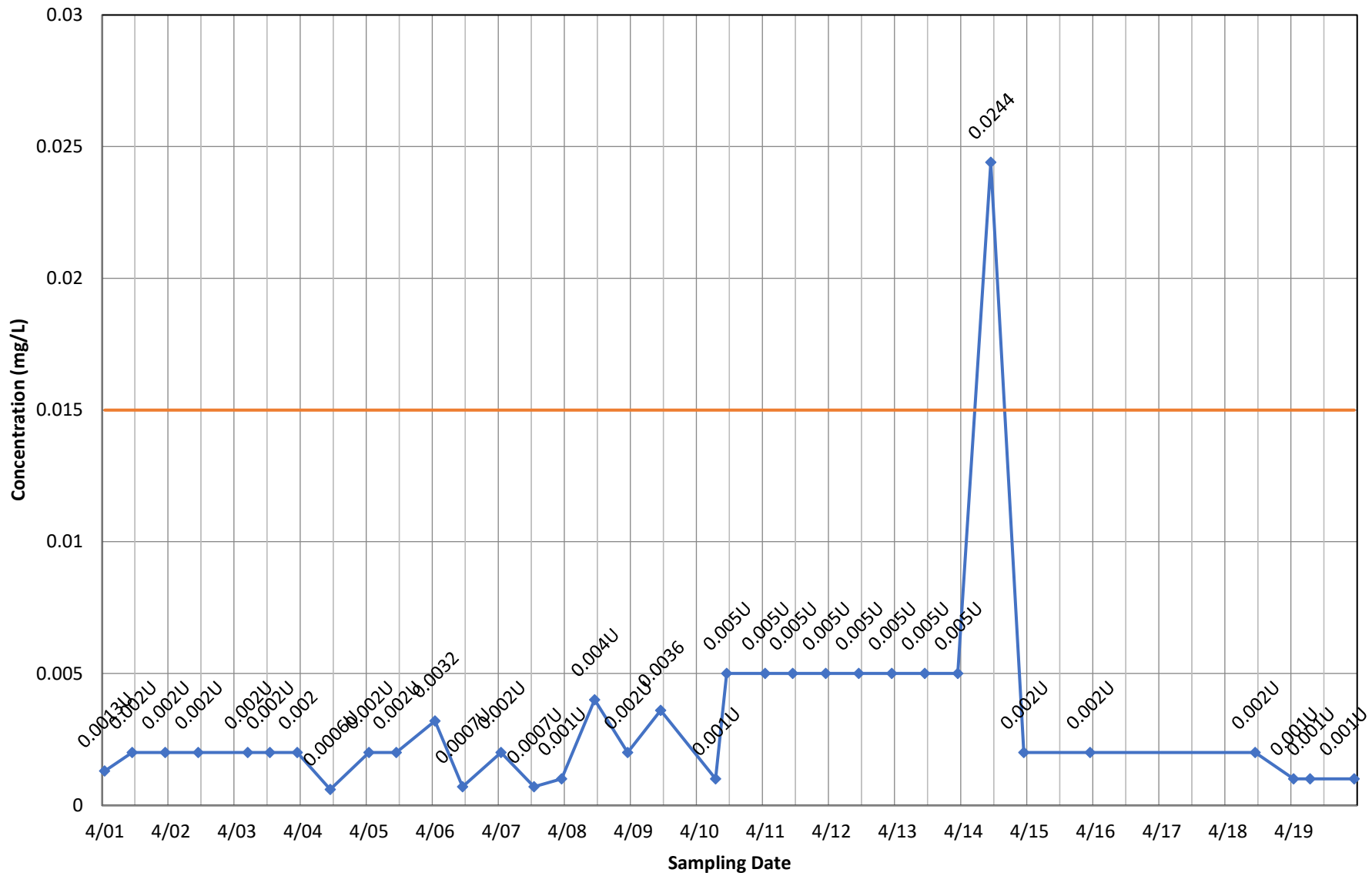
◆ Concentration — Current MCL

Monitoring Well ST065 - Cyanide, Total



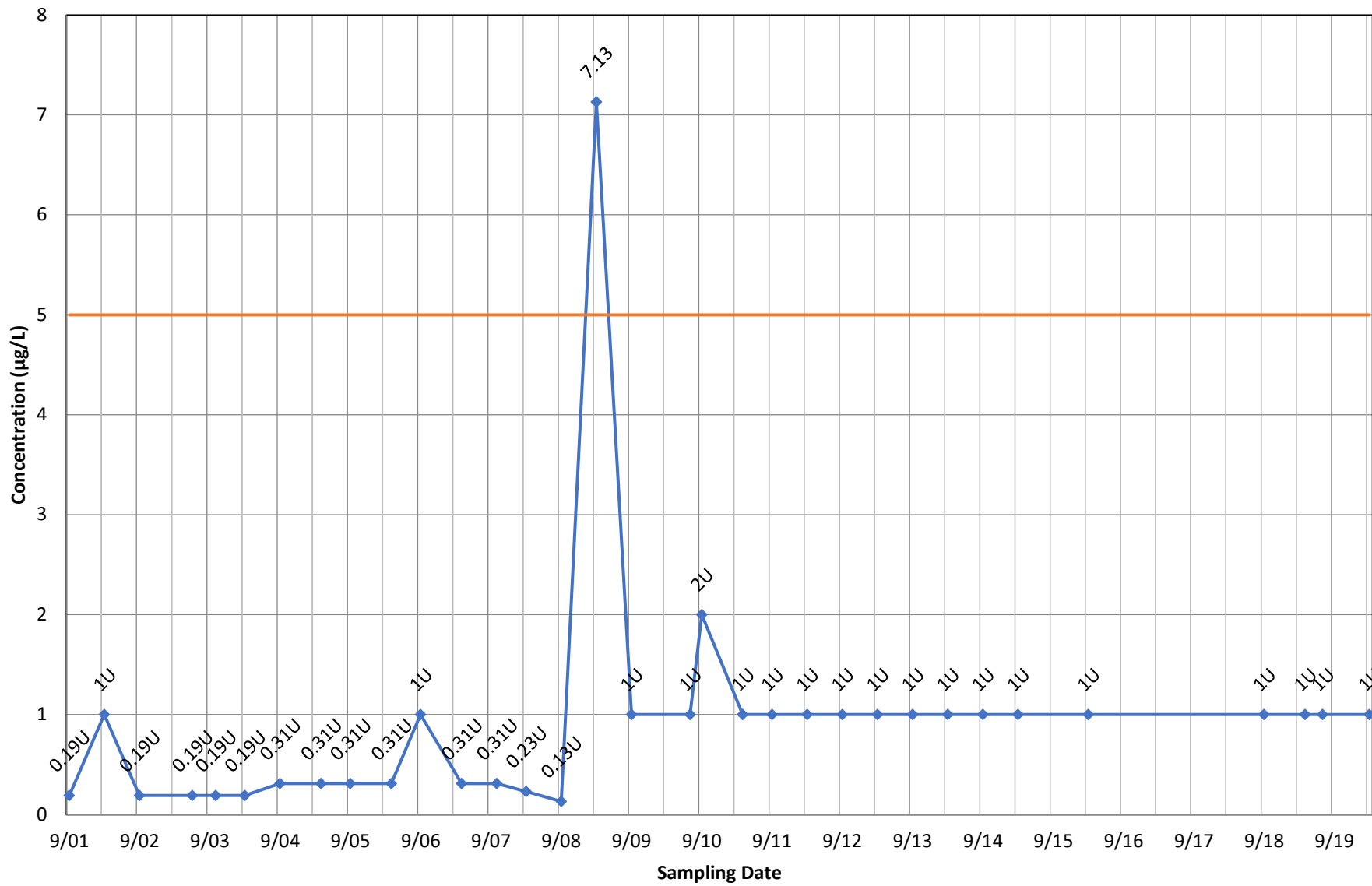
◆ Concentration — Current MCL

Monitoring Well ST065 - Lead, total



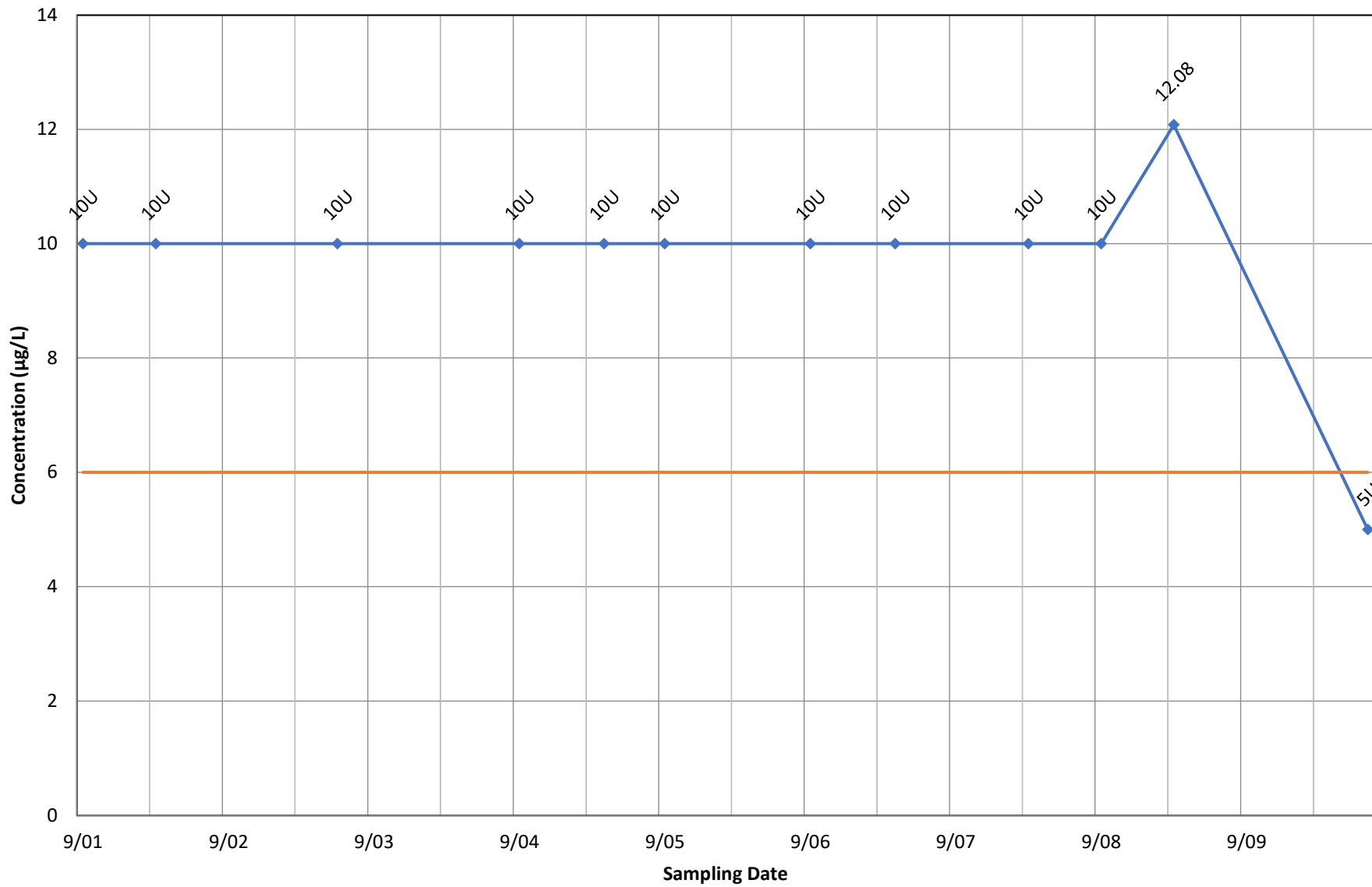
◆ Concentration — Current MCL

Monitoring Well ST065 - Trichloroethene



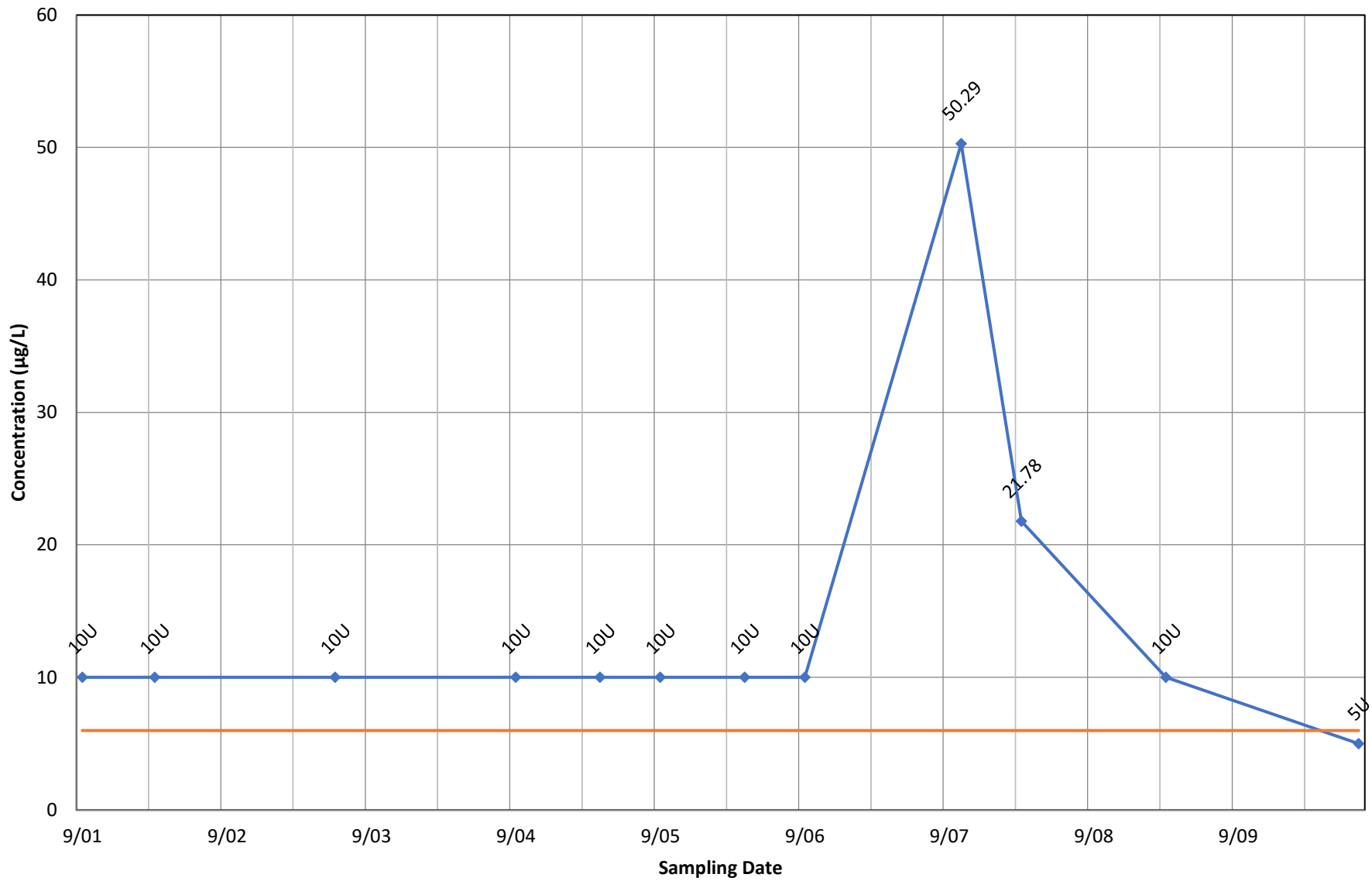
◆ Concentration — Current MCL

Monitoring Well ST120 - Bis(2-Ethylhexyl) Phthalate



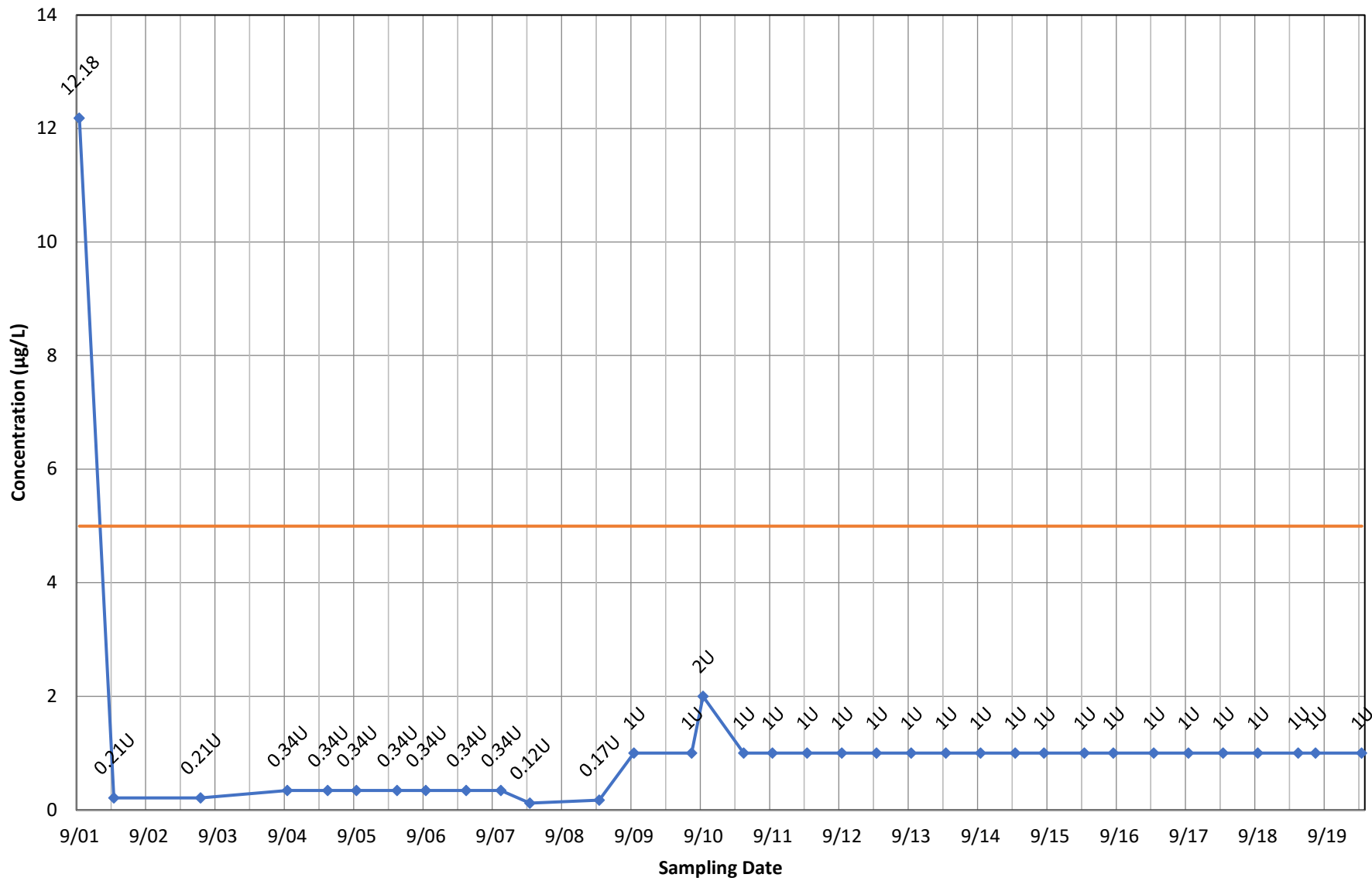
◆ Concentration — Current MCL

Monitoring Well ST70 - Bis(2-Ethylhexyl) Phthalate



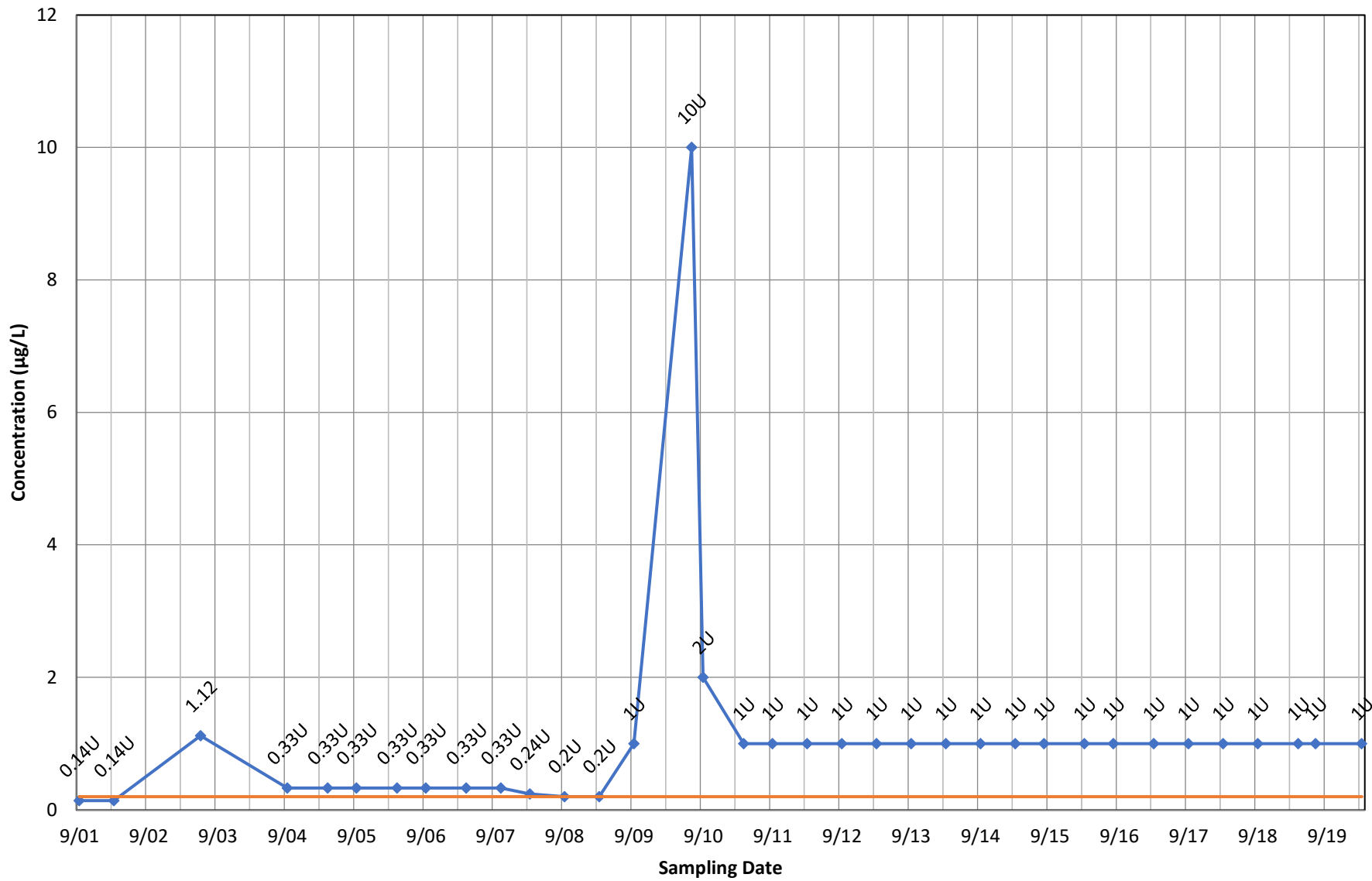
◆ Concentration — Current MCL

Monitoring Well ST70 - Methylene Chloride



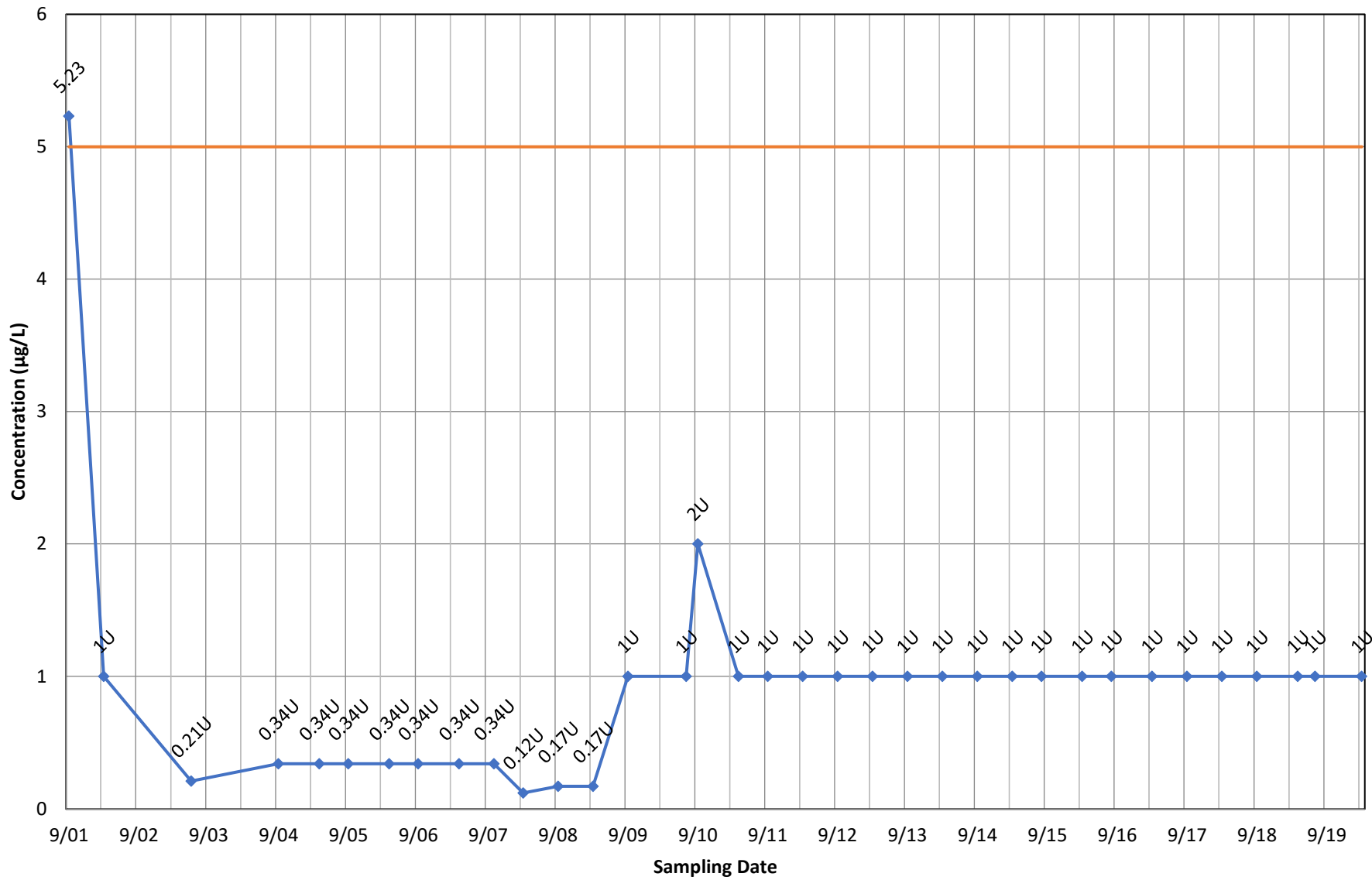
◆ Concentration — Current MCL

Monitoring Well ST80 - 1,2-Dibromo-3-chloropropane



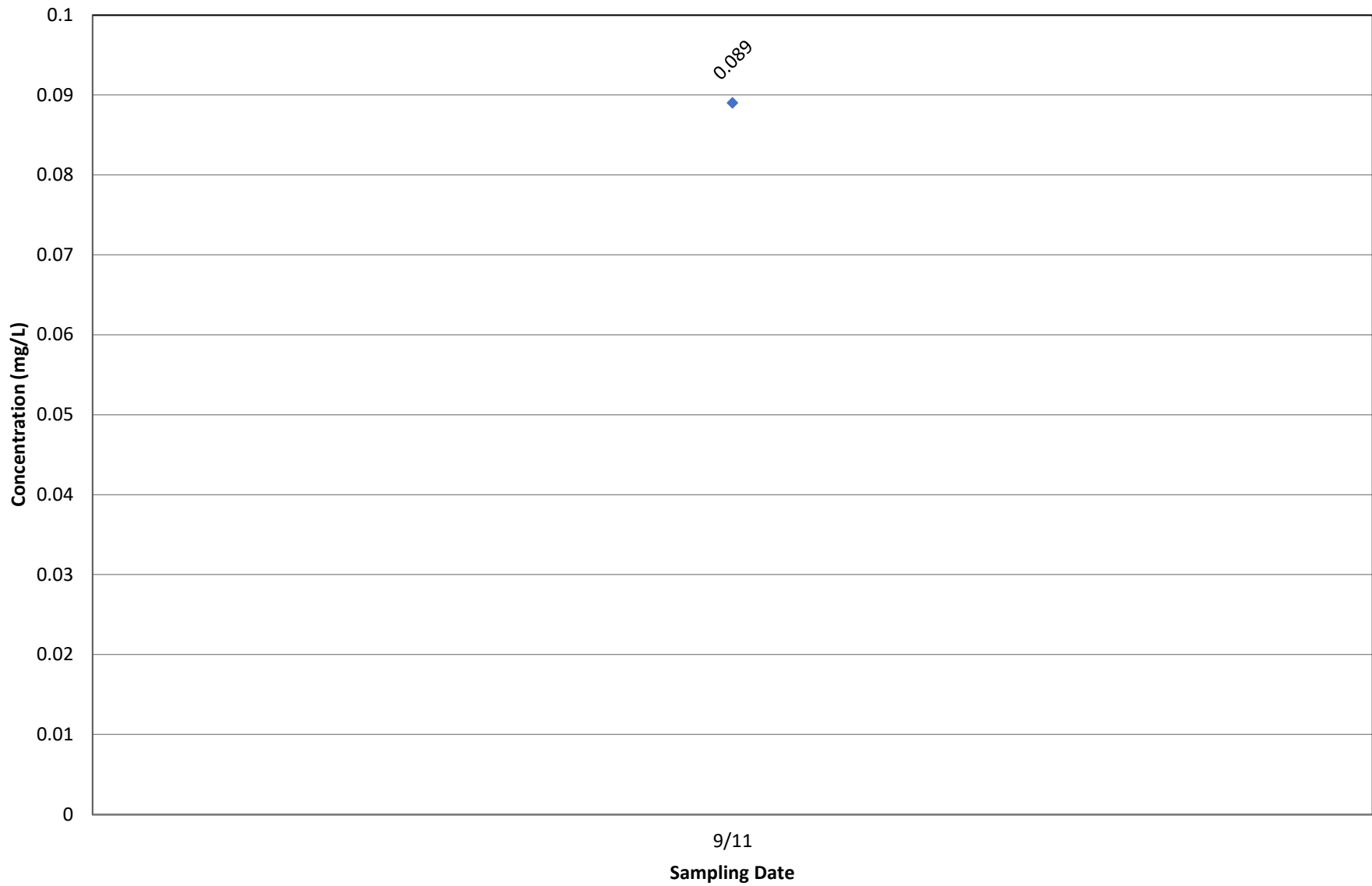
◆ Concentration — Current MCL

Monitoring Well ST80 - Methylene Chloride



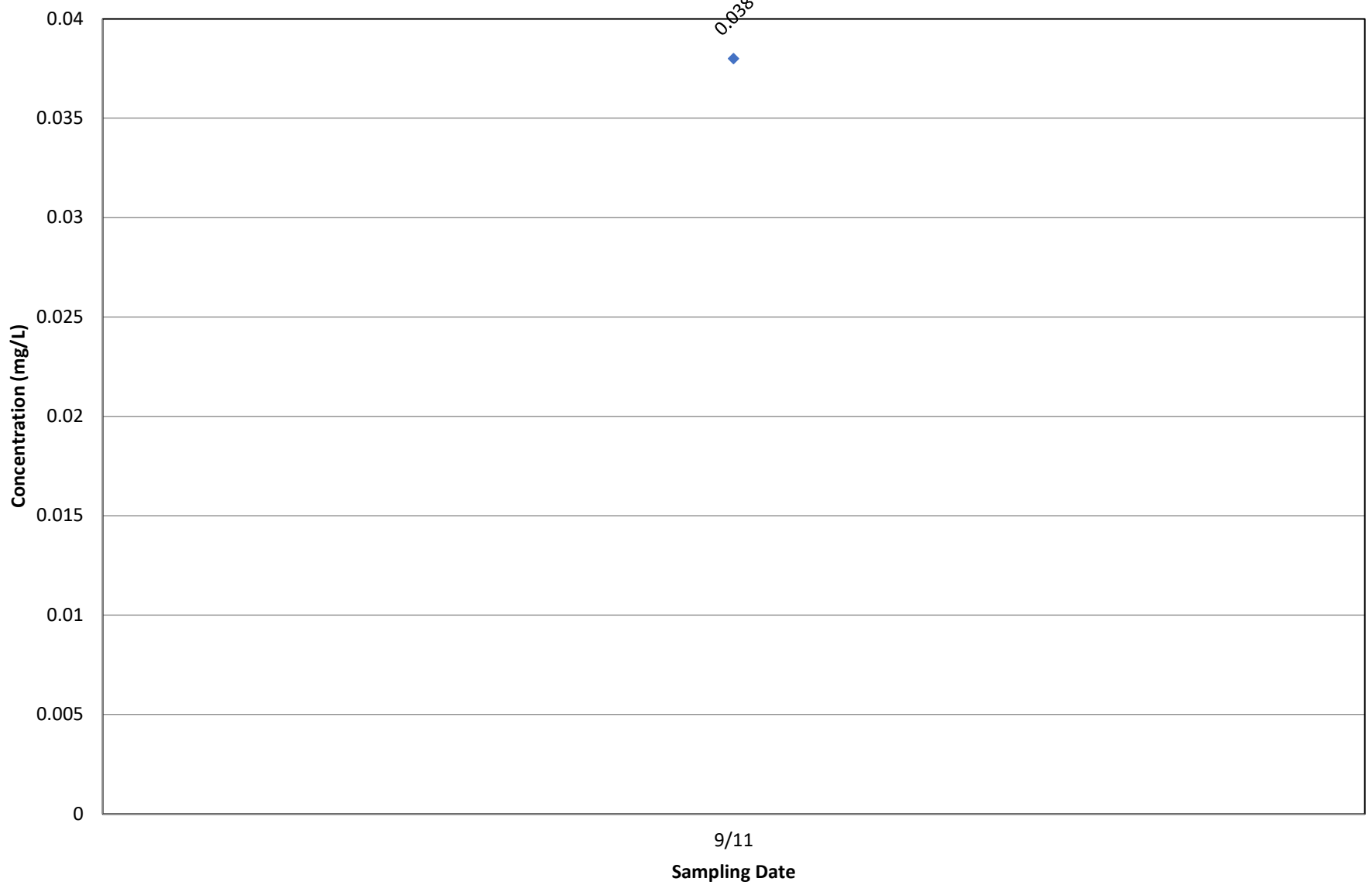
◆ Concentration — Current MCL

Monitoring Well TGW-01 - Lead, total



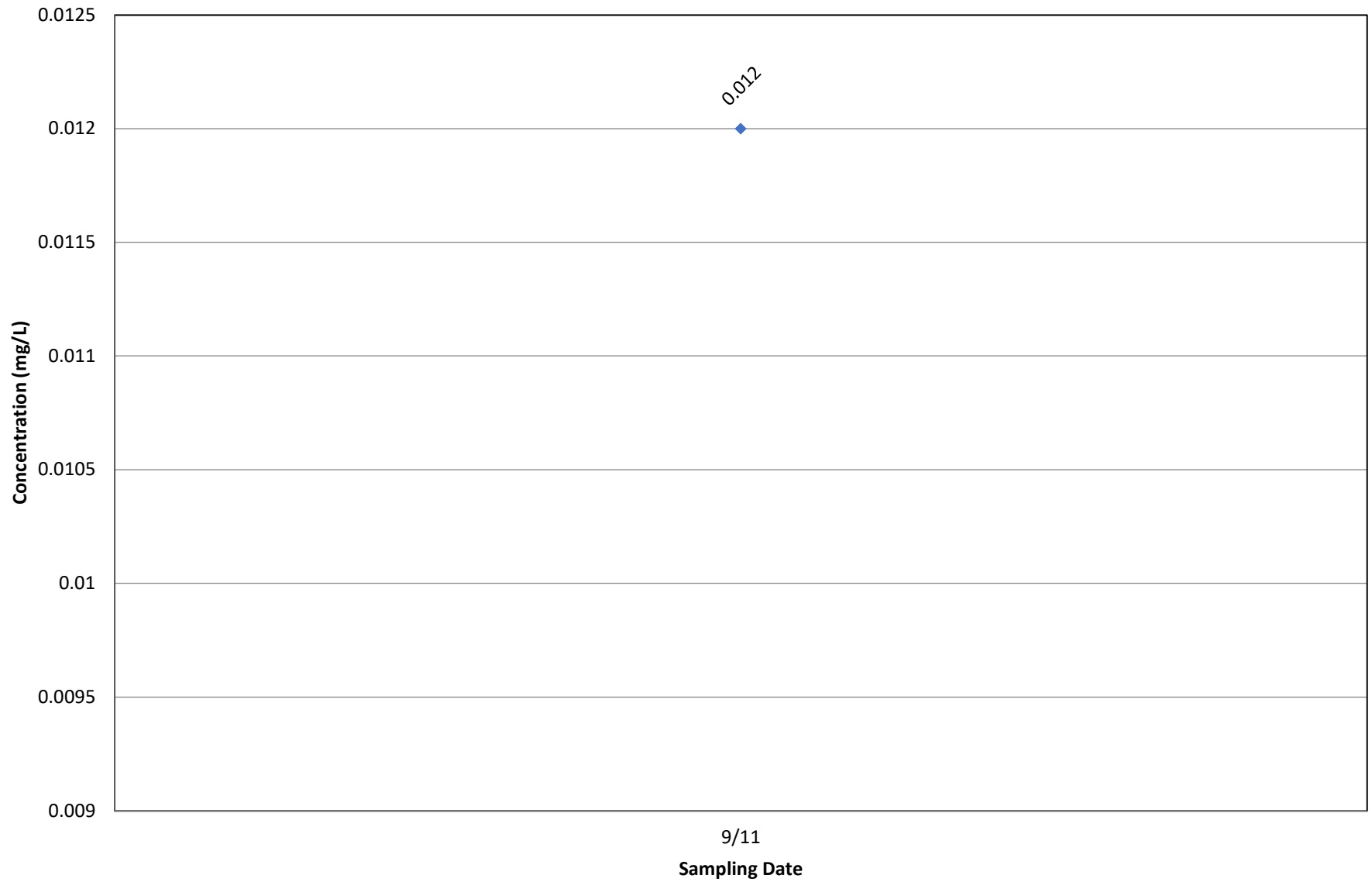
—◆— Concentration — Current MCL

Monitoring Well TGW-03 - Lead, total



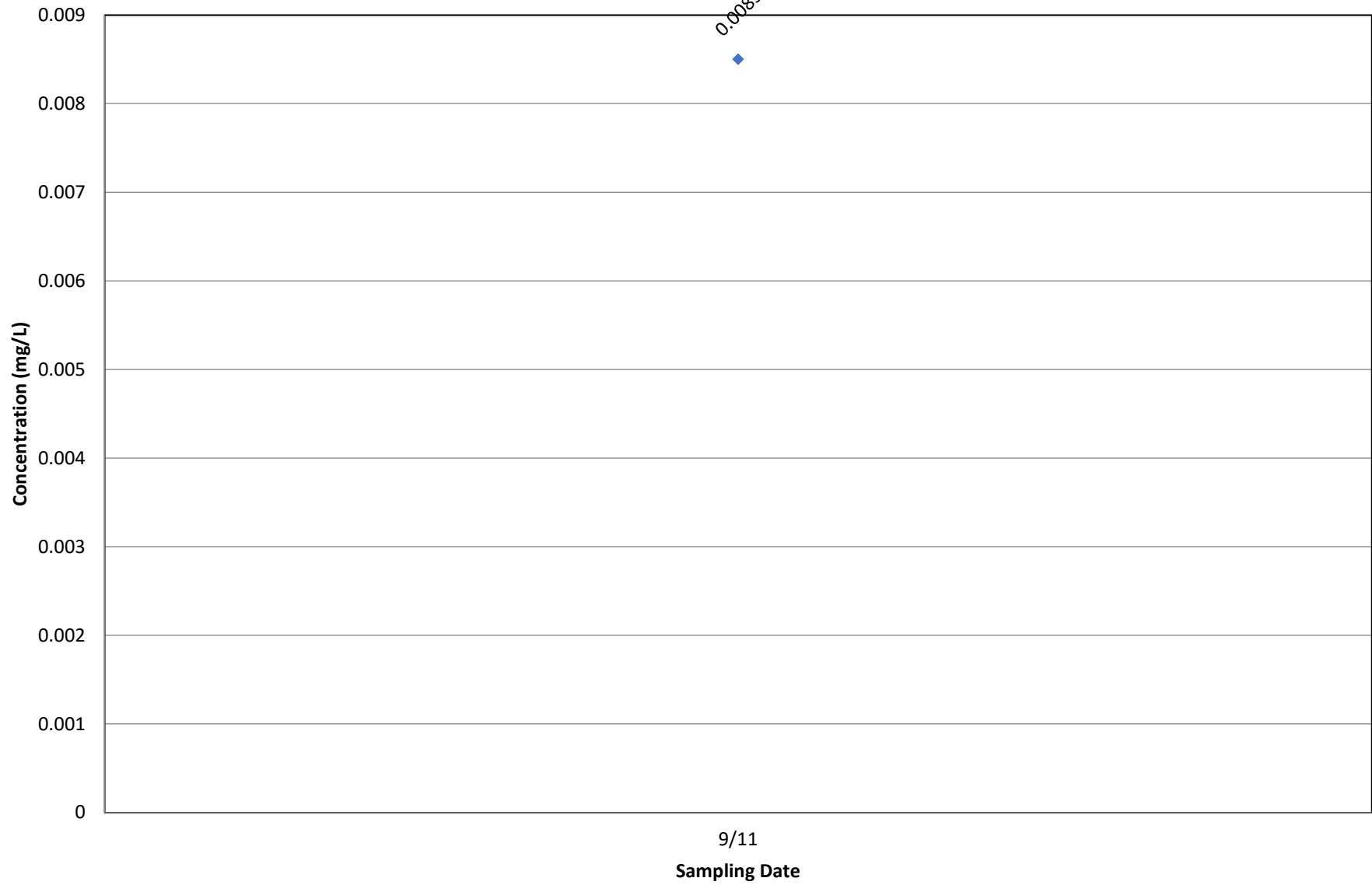
—◆— Concentration — Current MCL

Monitoring Well TGW-05 - Arsenic, total



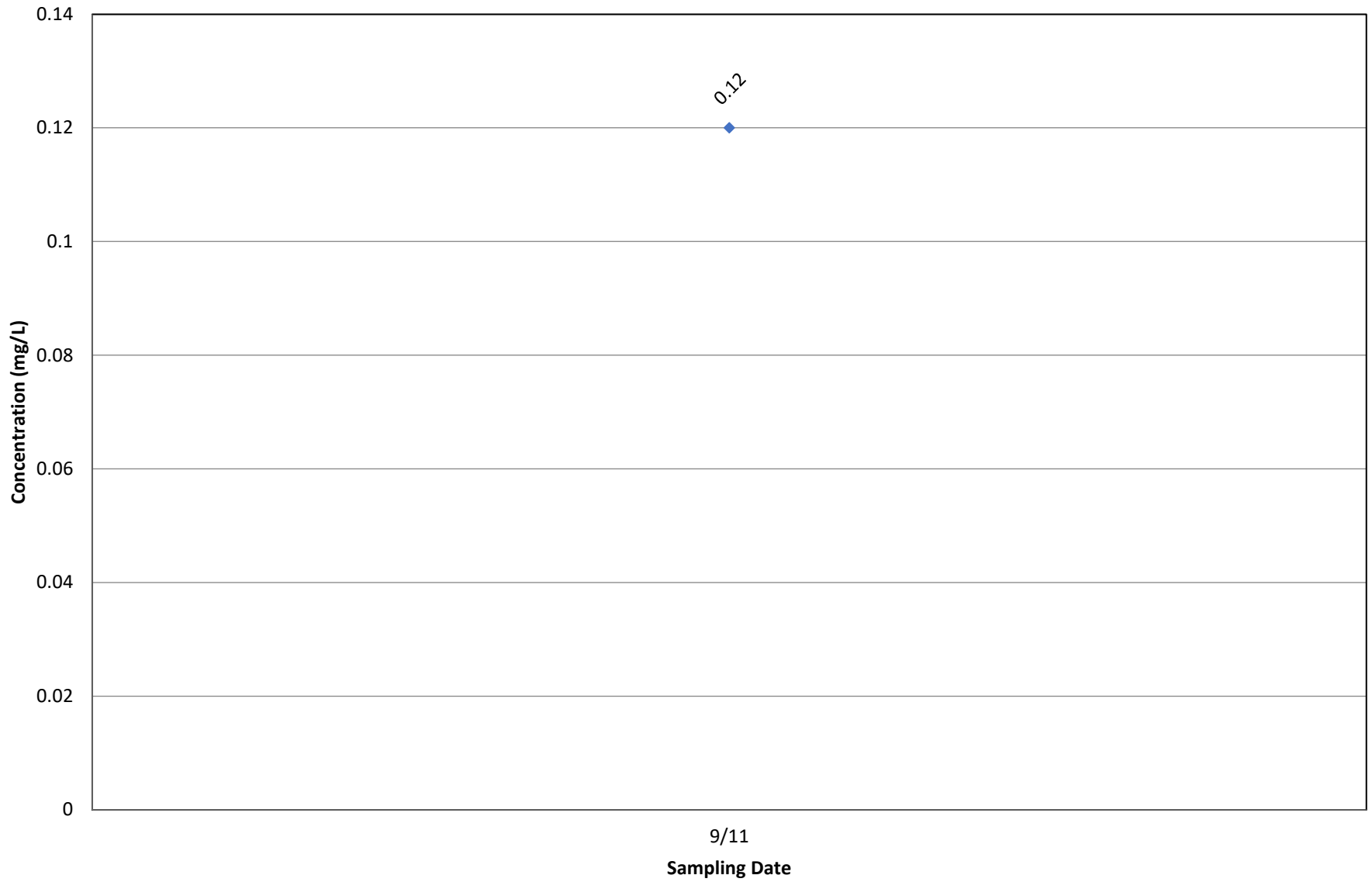
◆ Concentration — Current MCL

Monitoring Well TGW-05 - Beryllium, total



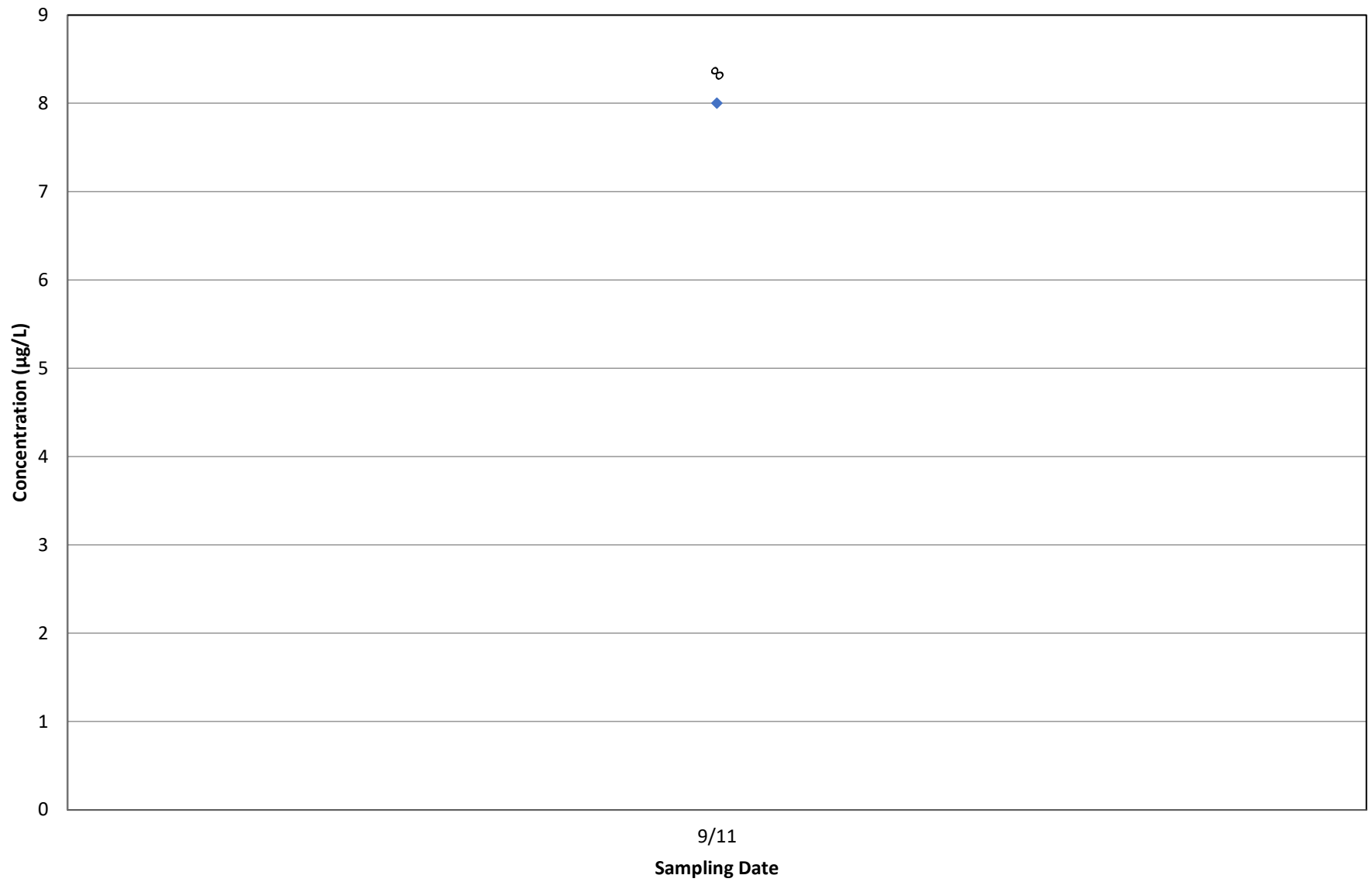
—◆— Concentration — Current MCL

Monitoring Well TGW-05 - Lead, total



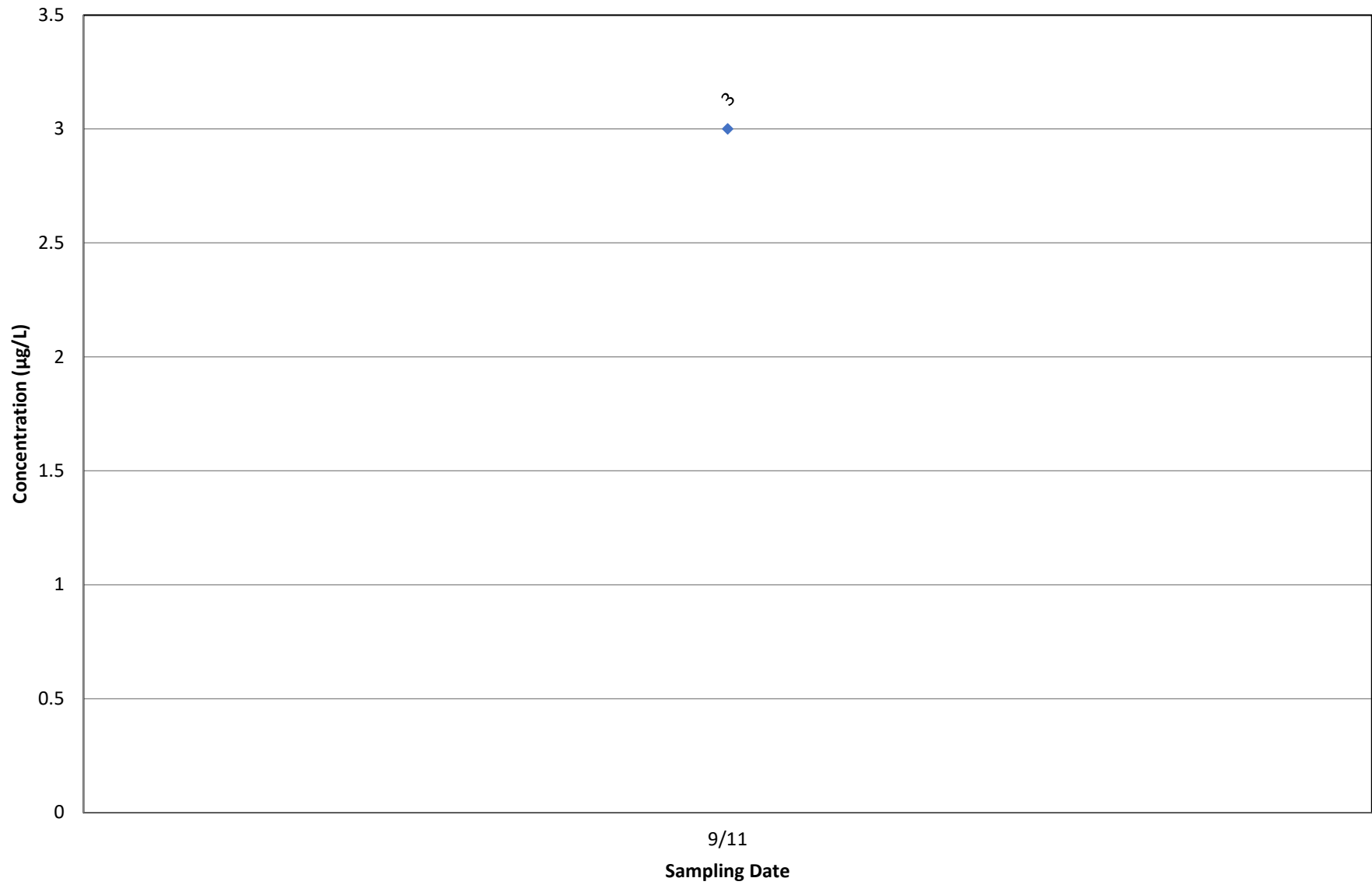
—◆— Concentration — Current MCL

Monitoring Well TGW-05 - Trichloroethene



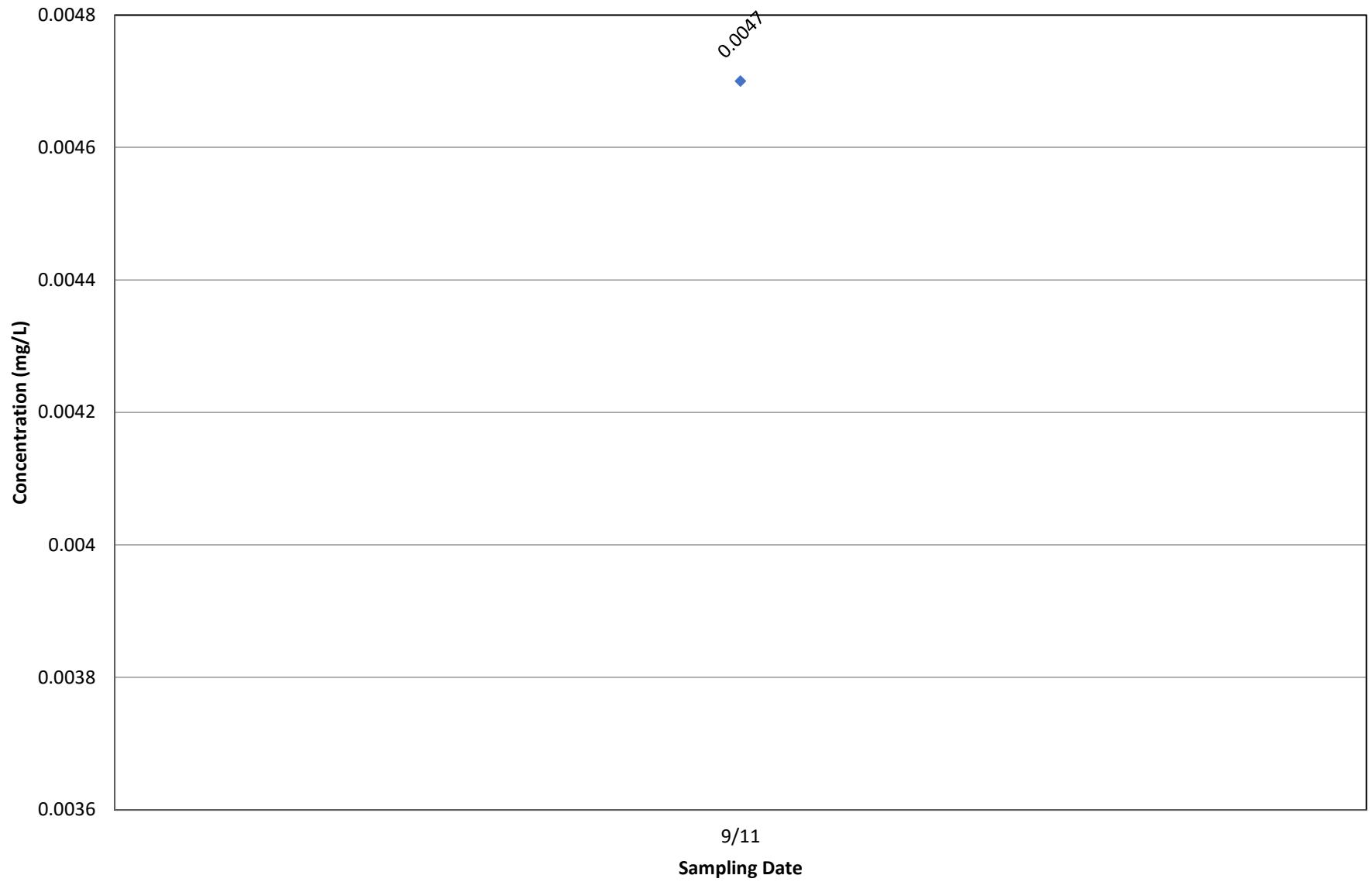
—◆— Concentration — Current MCL

Monitoring Well TGW-05 - Vinyl Chloride



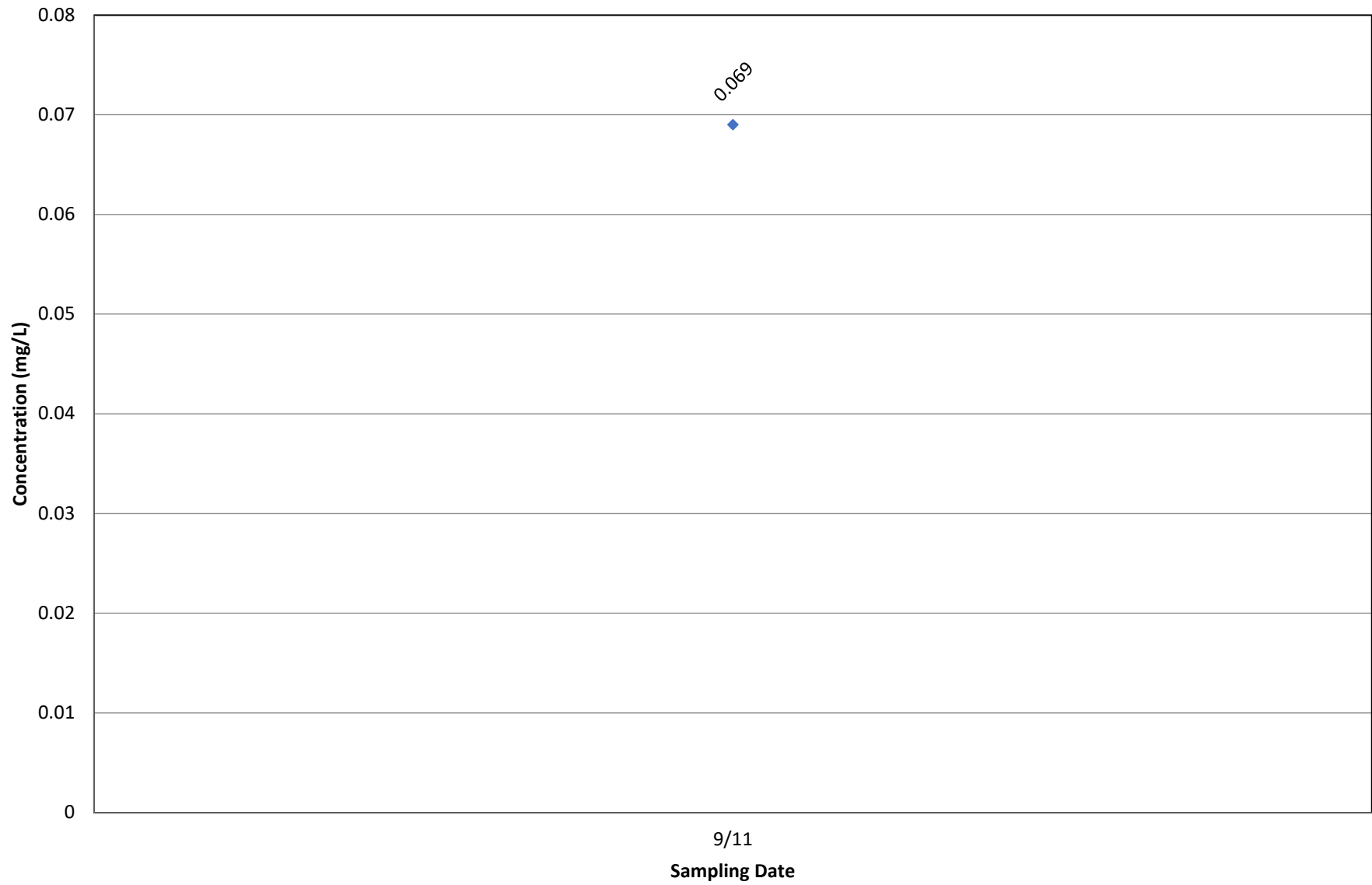
—◆— Concentration — Current MCL

Monitoring Well TGW-06 - Beryllium, total



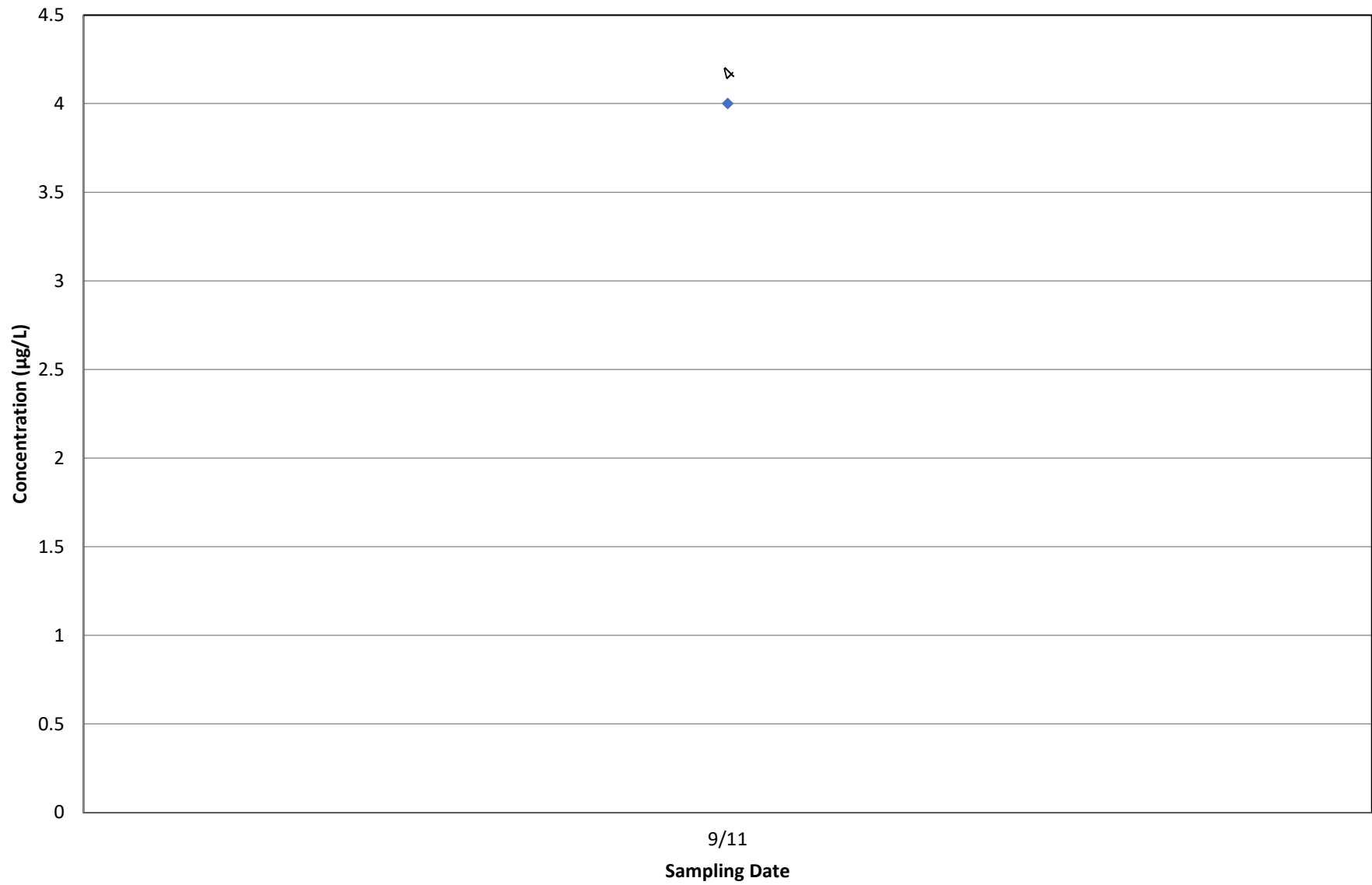
—◆— Concentration — Current MCL

Monitoring Well TGW-06 - Lead, total



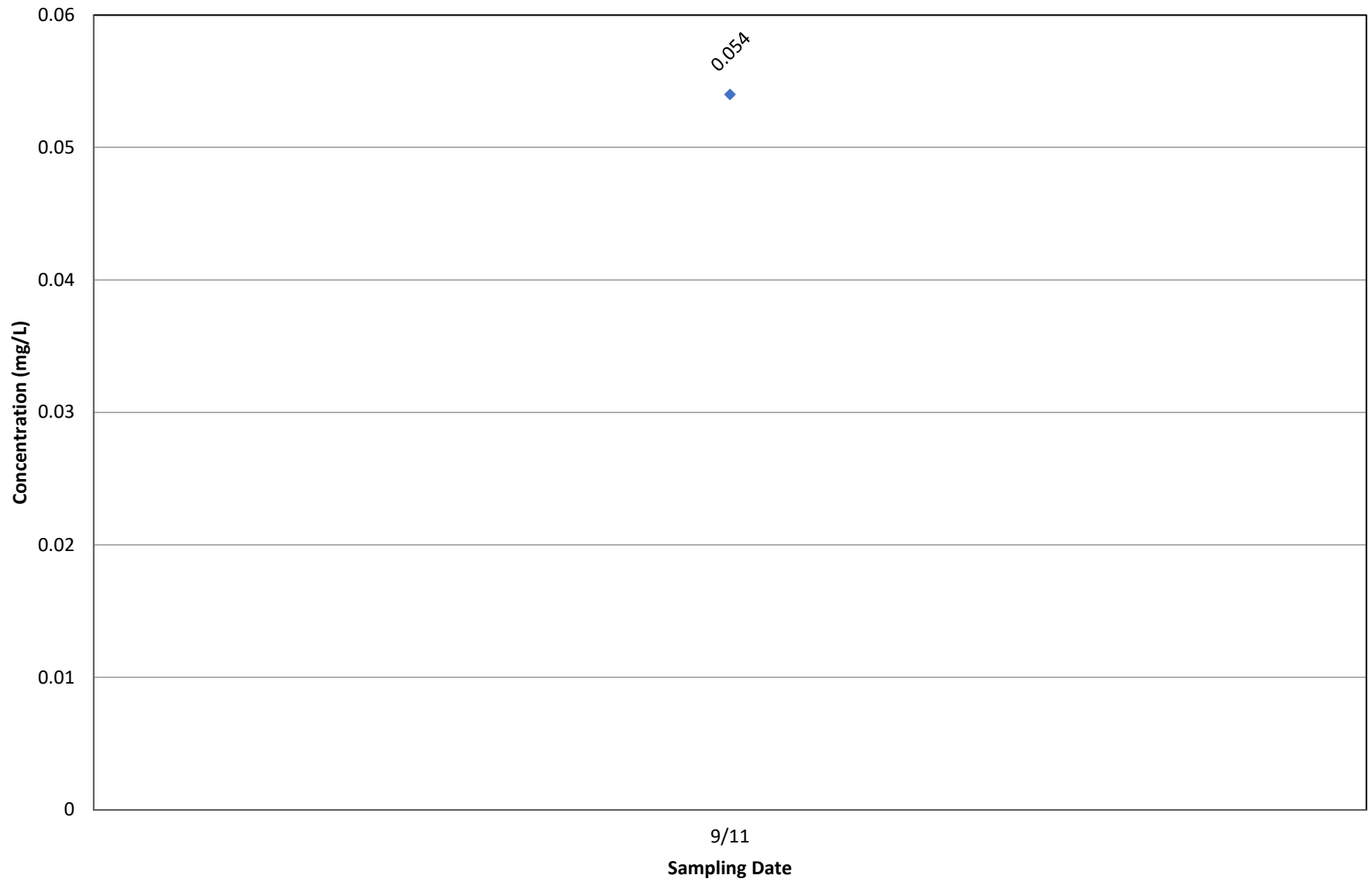
—◆— Concentration — Current MCL

Monitoring Well TGW-06 - Vinyl Chloride



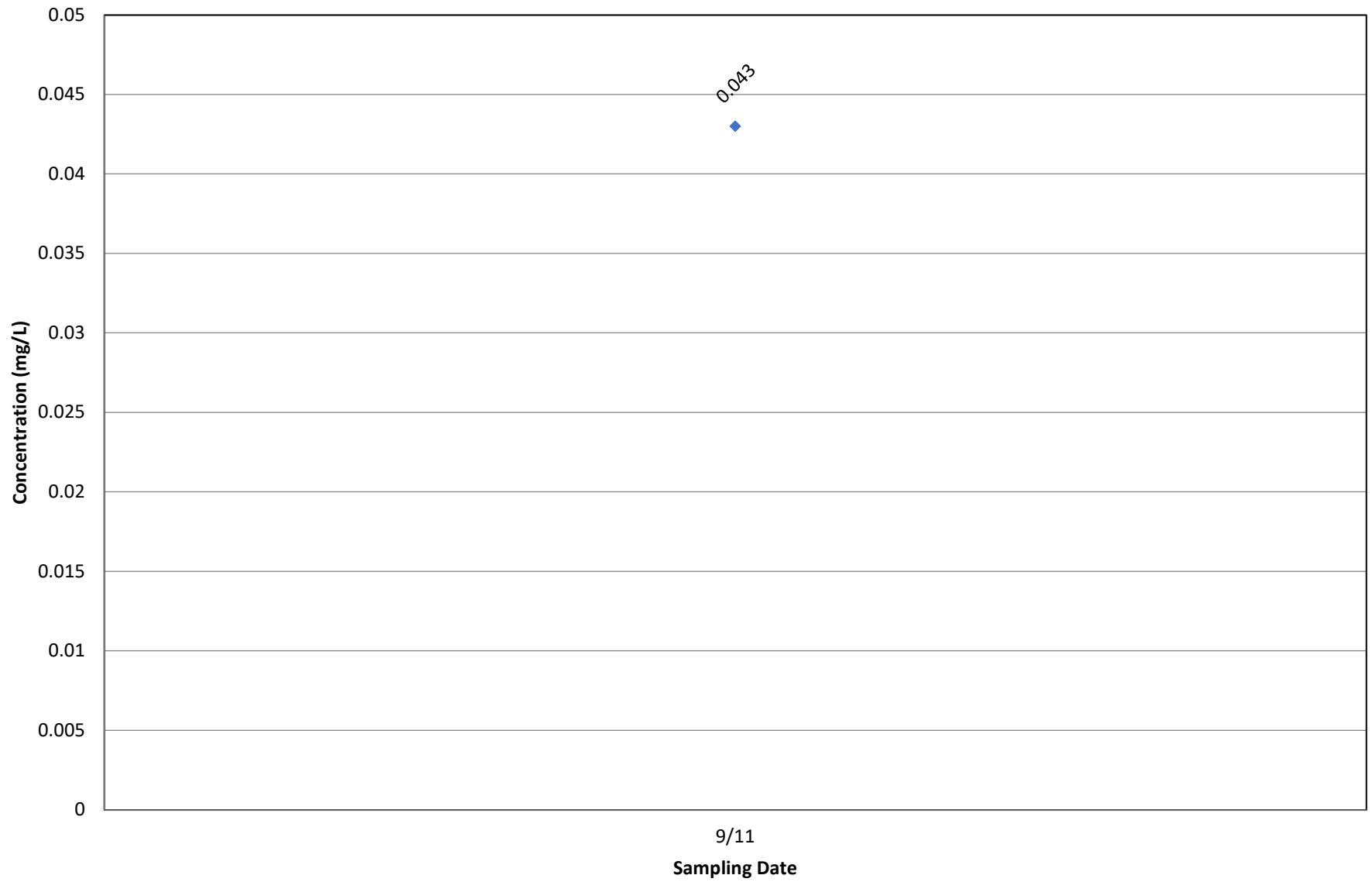
—◆— Concentration — Current MCL

Monitoring Well TGW-07 - Arsenic, total



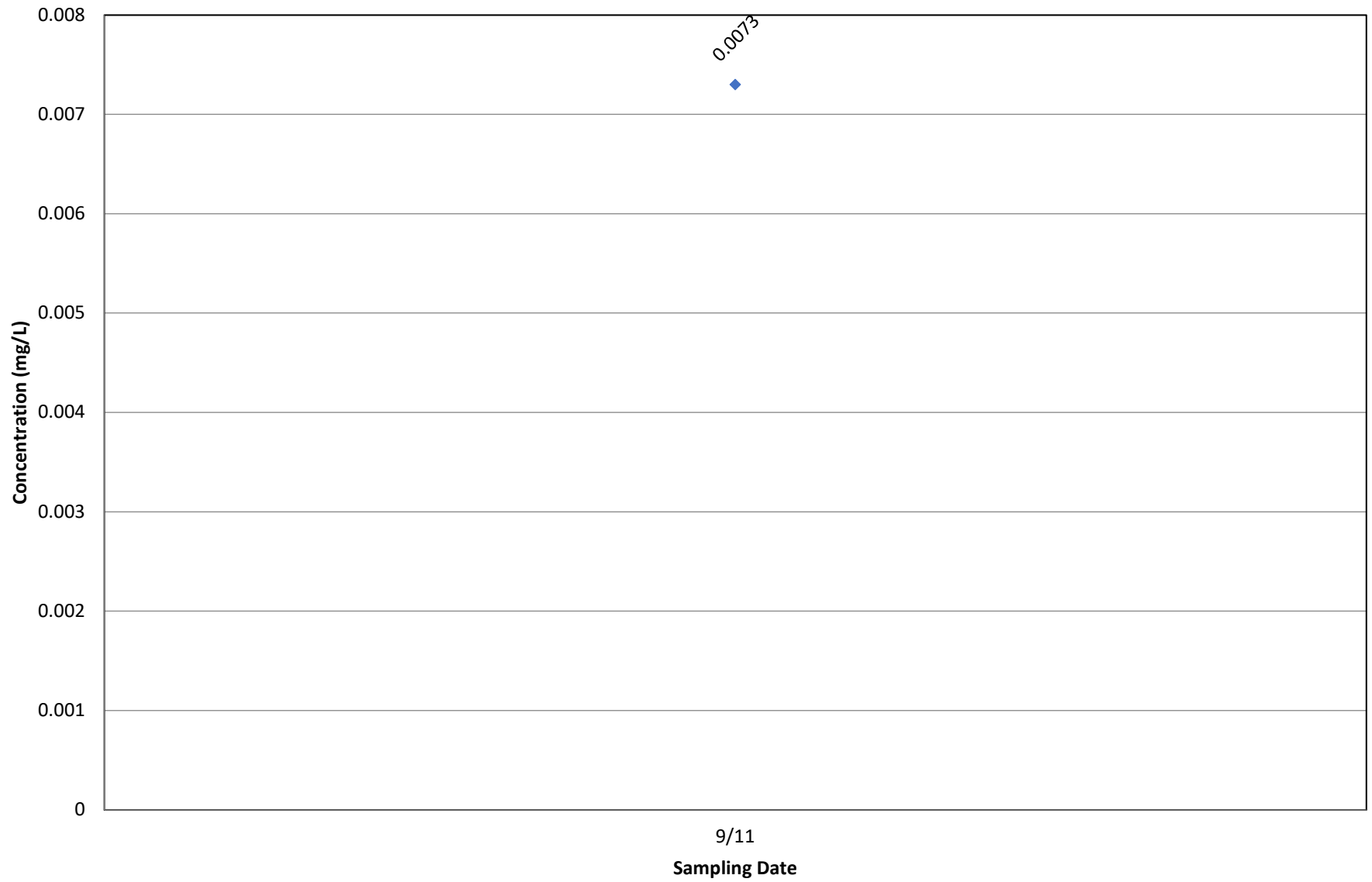
—◆— Concentration — Current MCL

Monitoring Well TGW-07 - Beryllium, total



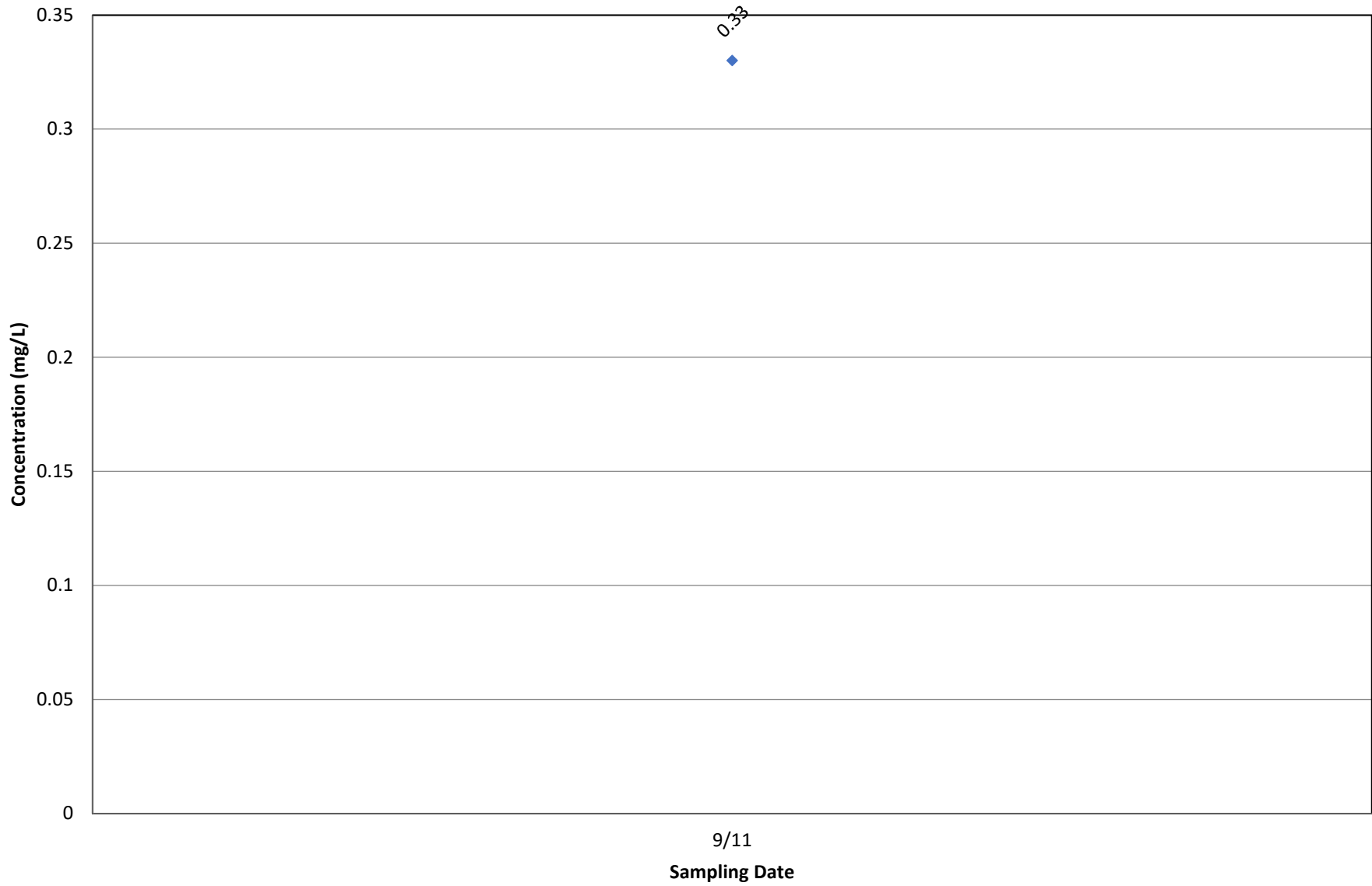
—◆— Concentration — Current MCL

Monitoring Well TGW-07 - Cadmium, total



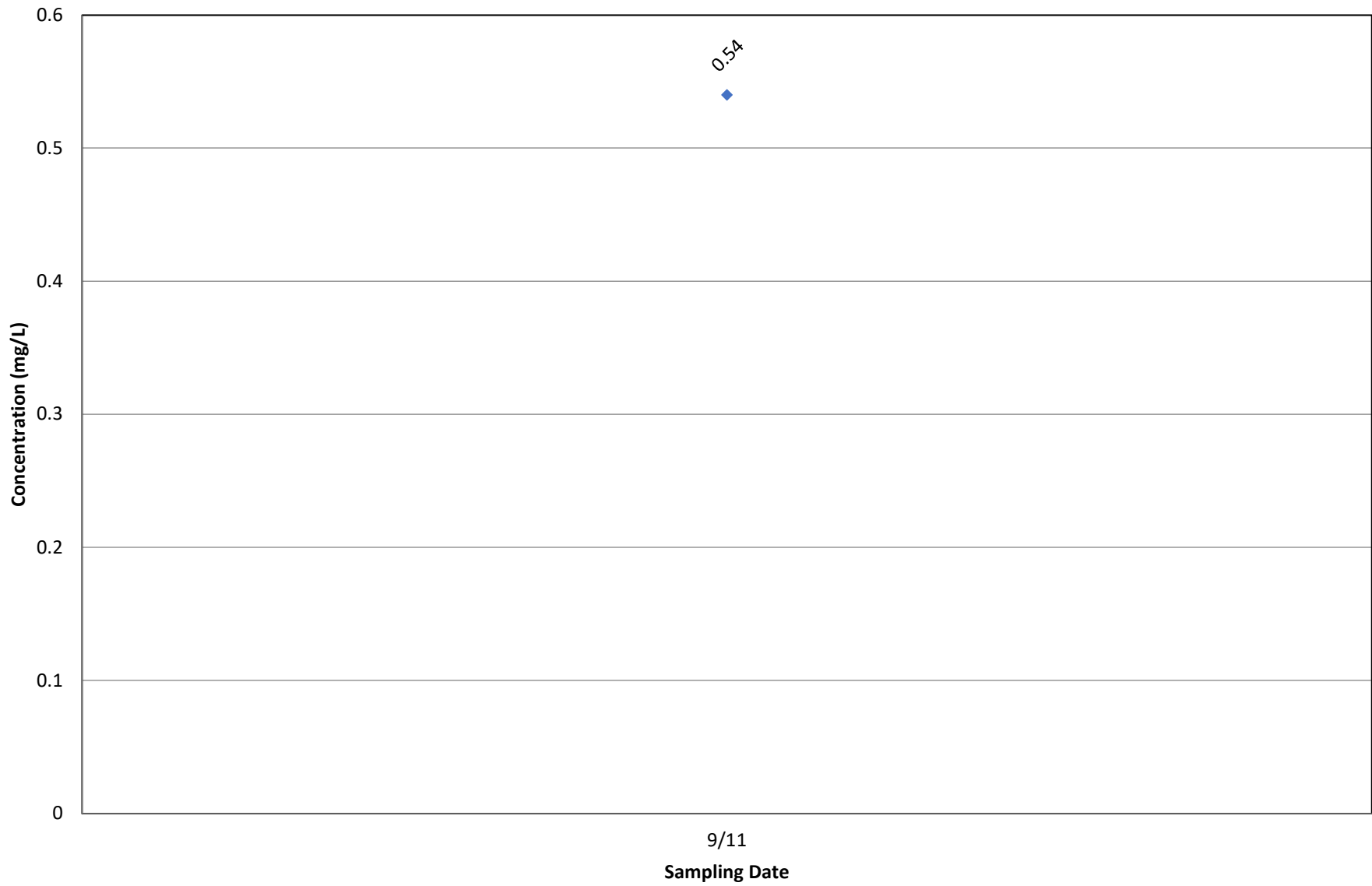
—◆— Concentration — Current MCL

Monitoring Well TGW-07 - Chromium, total



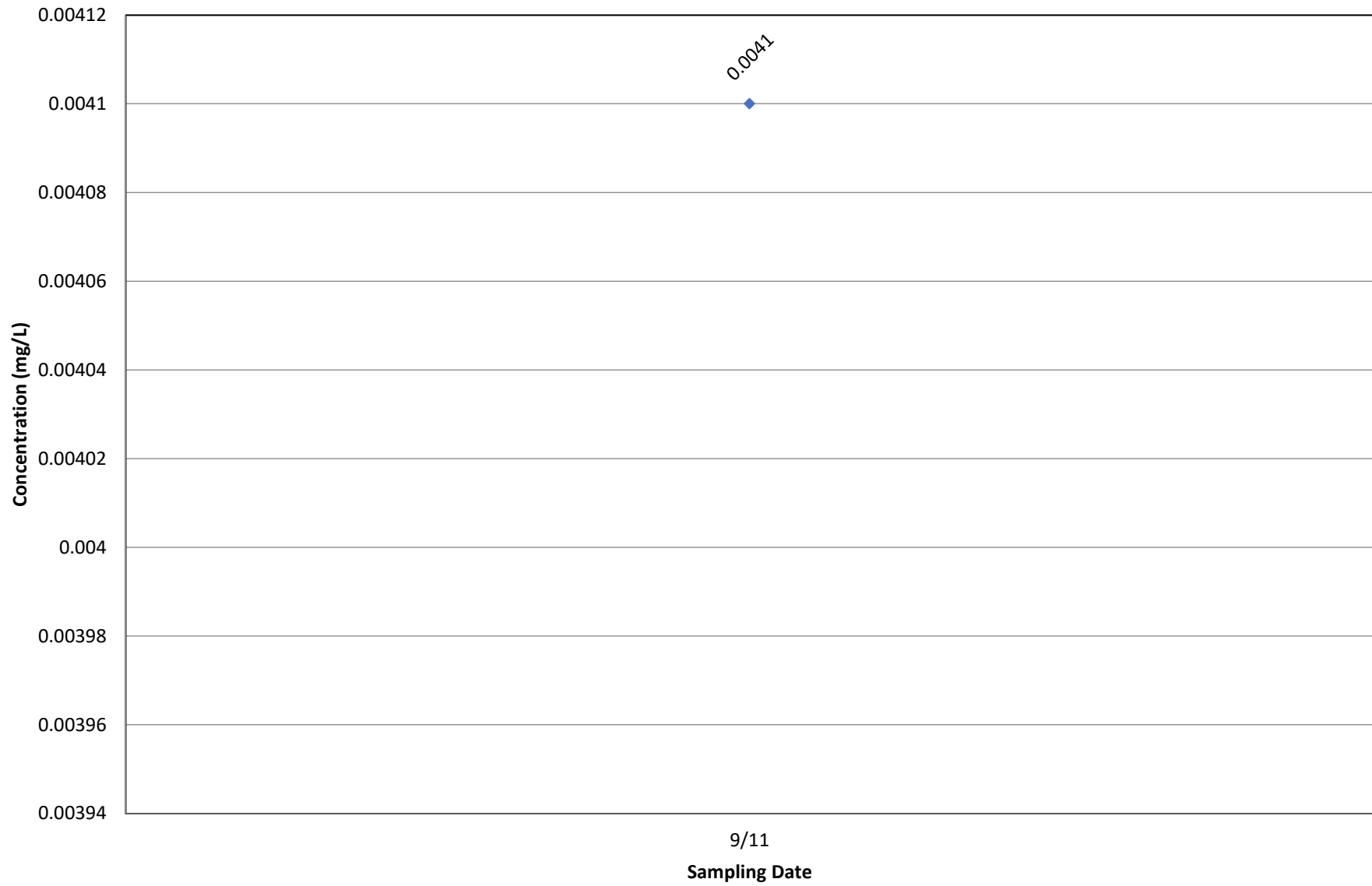
—◆— Concentration — Current MCL

Monitoring Well TGW-07 - Lead, total



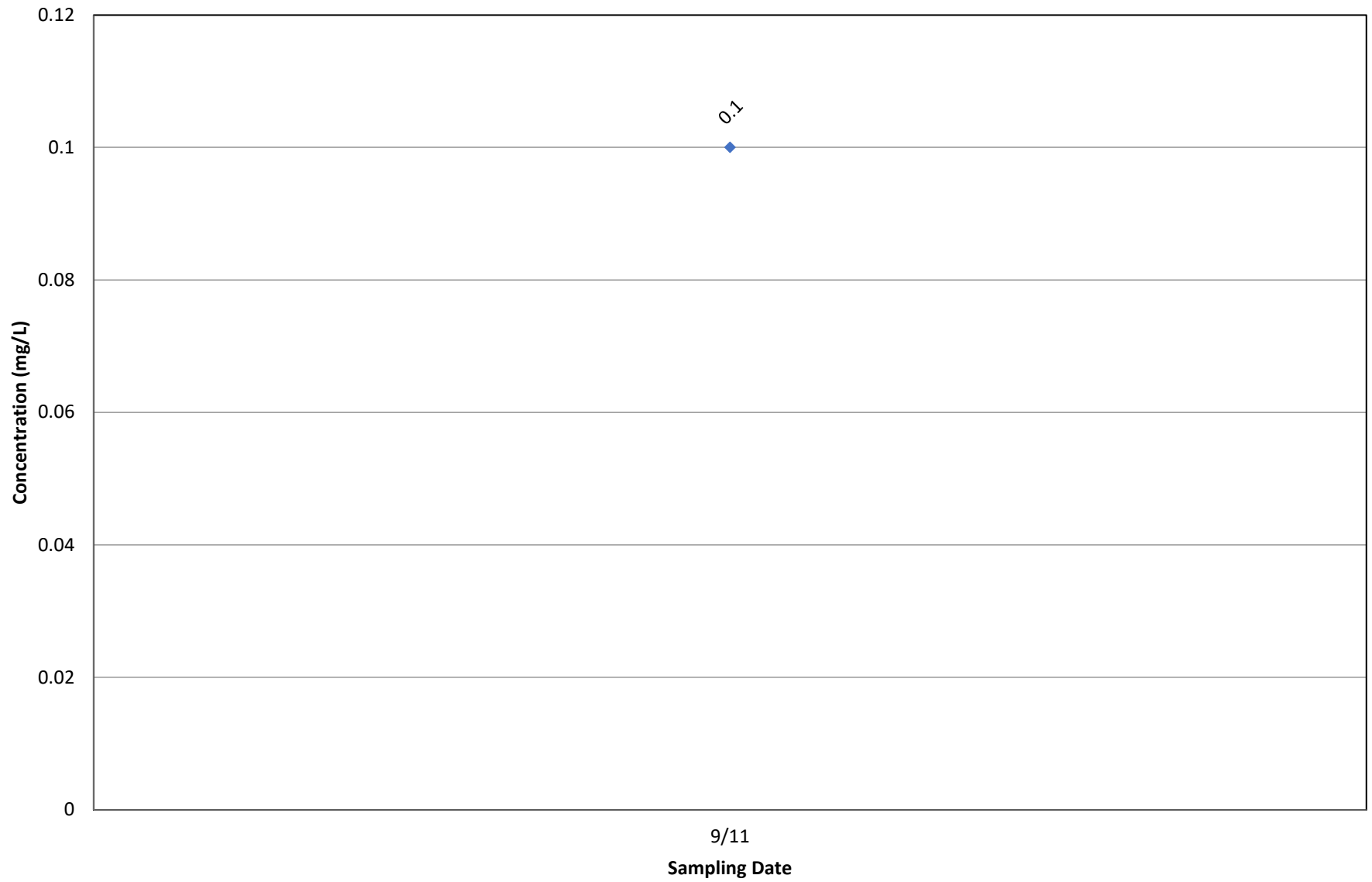
—◆— Concentration — Current MCL

Monitoring Well TGW-08 - Beryllium, total



—◆— Concentration — Current MCL

Monitoring Well TGW-08 - Lead, total



—◆— Concentration — Current MCL

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Appendix E
Historical Data Tables

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Gude Landfill
Monitoring Location OB01 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/2/01	--	--	--	81.6790	0.005 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	85.7567	0.004	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	89.0149	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	98.5932	0.002	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.044
10/8/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.067
3/23/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.037
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.047
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.051
4/5/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.042
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.041
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.037
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	104.0	0.20 U	10.0 U	196.0000	--	--	330.0	1.6700	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	103.0	0.20 U	5.1 J	241.0000	--	--	350.0	1.9070 HT	2 HT	0.05 U	--	--	--	--
4/20/11	93.0	0.20 U	6.9	262.0000	--	--	364.0	1.7900	2	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB01 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
9/8/11	112.0	0.20 U	10.0 U	291.0000	--	--	390.0	1.3400	1	0.05 U	--	--	--	--
3/7/12	100.0	0.20 U	5.4	322.0000	--	--	420.0	1.5600	2	0.05 U	--	--	--	--
9/13/12	73.0	0.20 U	10.0 U	284.0000	--	--	342.0	2.1300	2	0.05 U	--	--	--	--
4/2/13	80.0	0.20 U	10.0 U	291.0000	--	0	346.0	2.2100	2	0.05 U	410	5.87	--	--
9/17/13	66.0	0.20 U	10.0 U	303.0000	--	0	356.0	2.2800	2	0.05 U	391	5.46	--	--
3/6/14	86.0	0.20 U	10.0 U	379.0000	--	0	440.0	2.2800	--	--	370	5.67	--	--
9/2/14	77.0	0.20 U	10.0 U	411.0000	--	1	472.0	2.1100	2	0.05 U	391	5.65	--	--
3/19/15	81.0	0.20 U	10.0 U	430.0000	--	0	520.0	2.4700	3	0.05 U	245	5.77	--	--
8/31/15	70.0	0.20 U	10.0 U	421.0000	--	1	504.0	2.5900	3	0.05 U	234	5.70	--	--
3/17/16	72.0	0.20 U	10.0 U	456.0000	--	0	452.0	2.5700	3	0.05 U	379	5.74	--	--
9/1/16	70.0	0.20 U	10.0 U	481.0000	--	--	520.0	2.2900	2	0.05 U	373	5.78	--	--
3/13/17	57.0	0.20 U	10.0 U	411.0000	--	0	368.0	2.6000	3	0.05 U	385	5.68	--	--
9/11/17	72.0	0.20 U	10.0 U	397.0000	--	0	420.0	2.5700	3	0.05 U	401	5.72	--	--
4/4/18	51.4	0.20 U	10.0 U	464.0000	--	--	431.0	2.7800	3	0.05 U	253	5.70	--	--
9/4/18	67.0	0.20 U	10.0 U	520.0000	--	--	514.0	2.3500	2	0.05 U	253	5.66	--	--
4/17/19	79.7	0.10 U	19.0	591.0000	--	0	--	0.2000 U	--	--	202	5.68	5.83	--
8/8/19	91.9	0.10 U	3.0 U	667.0000	--	0	--	2.6000	--	--	203	5.34	5.78	--
3/12/20	86.1	0.10 U	9.4	618.0000	--	1	--	2.3900	--	--	184	5.43	5.84	--

Gude Landfill
Monitoring Location OB01 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/2/01	--	--	--	--	--	--	--	--	1.0	--
9/4/01	--	--	--	--	--	--	--	--	2.5	--
3/13/02	--	--	--	--	--	--	--	--	3.3	--
9/16/02	--	--	--	--	--	--	--	--	0.9	--
6/2/03	--	--	--	--	--	--	0 U	--	3.2	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0 U	--	--	--
3/27/08	--	--	--	--	--	--	0	--	--	--
9/22/09	--	--	26.4	--	--	776	--	--	0.2	--
7/28/10	--	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	--	26.6	--	--	1176	--	--	1.0	--
4/20/11	--	--	26.8 J	--	--	856	--	--	2.0	--

Gude Landfill
Monitoring Location OB01 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/8/11	--	--	28.8	--	--	1116	--	--	--	--
3/7/12	--	--	26.1	--	--	876	--	--	--	--
9/13/12	--	--	24.2	--	--	856	--	--	--	--
4/2/13	1	--	22.3	--	15.8	980	--	--	--	1.4
9/17/13	1052	--	25.7	--	16.5	840	--	--	--	3.6
3/6/14	1293	--	26.5	--	15.7	758	--	--	--	0.0
9/2/14	1379	--	28.0	--	17.7	940	--	--	--	3.1
3/19/15	1391	--	26.5	--	16.4	960	--	--	--	0.0
8/31/15	1454	--	26.2	--	25.6	870	--	--	--	1.2
3/17/16	1537	--	24.9	--	15.8	928	--	--	--	0.0
9/1/16	1618	--	26.1	--	21.7	1080	--	--	--	0.0
3/13/17	1201	--	18.8	--	13.5	769	--	--	--	0.0
9/11/17	1543	--	20.7	--	21.2	983	--	--	--	0.7
4/4/18	1406	--	20.3	--	15.9	896	--	--	--	1.3
9/4/18	1764	--	26.2	--	19.4	1060	--	--	--	1.6
4/17/19	2357	1900	42.1	--	16.7	1700	--	9.3	0.5 U	3.0
8/8/19	2	2250	38.1	--	18.1	1920	--	7.6	0.5 U	0.0
3/12/20	2902	2210	34.4	--	17.0	1650	--	2.3 U	0.5 U	0.2

Gude Landfill
Monitoring Location OB01 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.189	0.005 U	0.005 U	69.6	0.01 U	0.01	0.006	0.5 U	0.005 U	41.5	5.050	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.213	0.005 U	0.005 U	84.9	0.01 U	0.02	0.007	0.4	0.005 U	50.1	5.950	0.0002 U
9/13/12	0.005 U	0.005 U	0.184	0.005 U	0.005 U	71.8	0.01 U	0.01	0.006	0.4	0.005 U	42.5	3.880	0.0002 U
4/2/13	0.005 U	0.005 U	0.199	0.005 U	0.005 U	70.0	0.01 U	0.01	0.015	0.4	0.005 U	43.0	3.940	0.0002 U
9/17/13	0.005 U	0.005 U	0.186	0.005 U	0.005 U	74.4	0.01 U	0.01	0.006	0.4	0.005 U	45.0	3.540	0.0002 U
3/6/14	0.005 U	0.005 U	0.233	0.005 U	0.005 U	88.3	0.01 U	0.01	0.007	0.5	0.005 U	53.7	4.920	0.0002 U
9/2/14	0.005 U	0.005 U	0.261	0.005 U	0.005 U	91.5	0.01 U	0.01	0.007	0.5	0.005 U	54.8	6.190	0.0002 U
3/19/15	0.002 U	0.002 U	0.260	0.002 U	0.004 U	100.0	0.01 U	0.01	0.004 J	0.0 U	0.002 U	61.0	5.300	0.0002 U
8/31/15	0.001 U	0.002	0.250	0.001 U	0.001 U	90.0	0.01 U	0.01	0.005 U	0.0 U	0.001 U	53.0	4.100	0.0002
3/17/16	0.002 U	0.002 U	0.285	0.002 U	0.002 U	90.1	0.00 U	0.01	0.004	0.6	0.002 U	55.9	3.820	0.0002 U
9/1/16	0.002 U	0.003	0.291	0.002 U	0.002 U	99.8	0.01	0.01	0.007	0.7	0.002 U	61.2	3.420	0.0002 U
3/13/17	0.002 U	0.004	0.231	0.002 U	0.002 U	77.5	0.00 U	0.00	0.005	0.4	0.002 U	46.9	1.280	0.0002 U
9/11/17	0.002 U	0.002 U	0.249	0.002 U	0.002 U	83.7	0.00	0.00 U	0.002 U	0.4	0.002 U	52.4	1.340	0.0002 U
4/4/18	0.002 U	0.002 U	0.257	0.002 U	0.002 U	82.6	0.00	0.00 U	0.002 U	0.1 U	0.002 U	50.7	0.909	0.0002 U
9/4/18	0.002 U	0.002 U	0.276	0.002 U	0.002 U	105.0	0.00	0.00 U	0.002	0.1 U	0.002 U	62.5	1.770	0.0002 U

Gude Landfill
Monitoring Location OB01 - Dissolved Metals

Printed 5/20/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.03	3.6	0.005 U	0.01 U	54.3	0.005 U	0.01 U	0.012
9/8/11	0.04	--	--	--	--	--	--	--
3/7/12	0.04	4.2	0.005 U	0.01 U	81.5	0.005 U	0.01 U	0.013
9/13/12	0.03	4.3	0.005 U	0.01 U	60.3	0.005 U	0.01 U	0.011
4/2/13	0.03	4.6	0.005 U	0.01 U	70.5	0.005 U	0.01 U	0.012
9/17/13	0.03	3.9	0.005 U	0.01 U	65.2	0.005 U	0.01 U	0.013
3/6/14	0.03	4.3	0.005 U	0.01 U	97.0	0.005 U	0.01 U	0.013
9/2/14	0.03	4.4	0.005 U	0.01 U	99.3	0.005 U	0.01 U	0.016
3/19/15	0.04	5.3	0.035 U	0.01 U	120.0	0.002 U	0.01 U	0.017
8/31/15	0.02	4.8	0.005 J	0.00 U	95.0	0.001 U	0.01 U	0.011
3/17/16	0.02	4.3	0.002	0.00 U	125.0	0.001 U	0.00 U	0.009
9/1/16	0.04	4.9	0.004	0.00 U	119.0	0.001 U	0.00	0.011
3/13/17	0.01	3.9	0.002 U	0.00 U	96.8	0.001 U	0.00	0.007
9/11/17	0.01	4.3	0.002 U	0.00 U	122.0	0.001 U	0.00 U	0.007
4/4/18	0.01	4.3	0.003	0.00 U	117.0	0.001 U	0.00 U	0.007
9/4/18	0.02	4.5	0.004	0.00 U	128.0	0.001 U	0.00 U	0.009

Gude Landfill
Monitoring Location OB01 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/2/01	0.0007 U	0.0005 U	0.0402	0.0005 U	--	0.0020 U	--	0.0020 U	0.0007 U	0.0166	--	0.0020 U
9/4/01	0.0020 U	0.0020 U	0.0180	0.0017 U	--	0.0020 U	--	0.0021	0.0020 U	0.0134	--	0.0029
3/13/02	0.0005 U	0.0020 U	0.0249	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0107	--	0.0024
9/16/02	0.0007 U	0.0003 U	0.0342	0.0004 U	--	0.0004 U	--	0.0027	0.0020 U	0.0089	--	0.0020 U
6/2/03	0.0007 U	0.0020 U	0.0476	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0130	--	0.0020 U
10/8/03	0.0020 U	0.0008 U	0.1027	0.0016 U	--	0.0020 U	--	0.0020 U	0.0054	0.0103	--	0.0020 U
3/23/04	0.0009 U	0.0008 U	0.0588	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0006 U	0.1456	0.0012 U	--	0.0020 U	--	0.0007 U	0.0069	0.0114	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0360	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0105	--	0.0006 U
9/21/05	0.0028 U	0.0006 U	0.1325	0.0012 U	--	0.0020 U	--	0.0007 U	0.0070	0.0149	--	0.0020
4/5/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.0020 U	--	0.0020 U	0.0036	0.0107	--	0.0025
9/25/06	0.0007 U	0.0008 U	0.1459	0.0009 U	--	0.0006 U	--	0.0020 U	0.0051	0.0069	--	0.0007 U
4/17/07	0.0007 U	0.0008 U	0.1381	0.0009 U	0.020 U	--	--	0.0020 U	0.0094	0.0104	--	0.0020 U
10/4/07	0.0007 U	0.0008 U	0.1348	0.0009 U	0.020 U	--	--	0.0020 U	0.0039	0.0071	--	0.0007 U
3/27/08	0.0005 U	0.0006 U	0.1286	0.0010 U	0.020 U	--	--	0.0020 U	0.0071	0.0072	--	0.0020 U
3/9/09	0.0010 U	0.0010 U	0.1465	0.0012 U	0.050 U	--	--	0.0100 U	0.0100 U	0.0100 U	--	0.0007 U
9/22/09	0.0020 U	0.0020 U	0.1640	0.0020 U	--	0.0020 U	64.9	0.0020 U	0.0090	0.0070	0.2 U	0.0020 U
7/28/10	0.0010 U	0.0009 U	0.1700	0.0010 U	--	0.0010 U	--	0.0007 U	0.0110	0.0026	--	0.0010 U
9/21/10	0.0050 U	0.0050 U	0.1690	0.0050 U	--	0.0050 U	68.2	0.0050 U	0.0101	0.0094	0.5 U	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.1820	0.0050 U	--	0.0050 U	76.2	0.0050 U	0.0147	0.0063	0.8	0.0050 U
9/8/11	0.0050 U	0.0050 U	0.1910	0.0050 U	--	0.0050 U	73.8	0.0050 U	0.0289	0.0065	0.5	0.0054
3/7/12	0.0050 U	0.0050 U	0.2140	0.0050 U	--	0.0050 U	81.2	0.0050 U	0.0219	0.0119	1.6	0.0050 U
9/13/12	0.0050 U	0.0050 U	0.1710	0.0050 U	--	0.0050 U	69.1	0.0050 U	0.0090	0.0058	0.4	0.0050 U

Gude Landfill
Monitoring Location OB01 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
4/2/13	0.0050 U	0.0050 U	0.1850	0.0050 U	--	0.0050 U	73.3	0.0050 U	0.0111	0.0148	0.5	0.0050 U
9/17/13	0.0050 U	0.0050 U	0.1840	0.0050 U	--	0.0050 U	73.4	0.0050 U	0.0068	0.0061	0.5	0.0050 U
3/6/14	0.0050 U	0.0050 U	0.2310	0.0050 U	--	0.0050 U	86.6	0.0050 U	0.0120	0.0062	0.6	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.2760	0.0050 U	--	0.0050 U	89.2	0.0050 U	0.0148	0.0087	0.7	0.0050 U
3/19/15	0.0020 U	0.0020 U	0.2400	0.0020 U	--	0.0040 U	95.0	0.0100 U	0.0130	0.0042 J	0.0 U	0.0020 U
8/31/15	0.0010 U	0.0010 U	0.2600	0.0010 U	--	0.0005 U	91.0	0.0050 U	0.0073	0.0052	0.0 U	0.0010 U
3/17/16	0.0020 U	0.0020 U	0.2870	0.0020 U	--	0.0020 U	90.6	0.0020 U	0.0074	0.0039	0.6	0.0020 U
9/1/16	0.0020 U	0.0028	0.2850	0.0020 U	--	0.0020 U	101.0	0.0077	0.0071	0.0070	0.7	0.0020 U
3/13/17	0.0020 U	0.0038	0.2370	0.0020 U	--	0.0020 U	76.4	0.0020 U	0.0026	0.0082	0.4	0.0020 U
9/11/17	0.0020 U	0.0020 U	0.2520	0.0020 U	--	0.0020 U	84.0	0.0023	0.0030	0.0020 U	0.4	0.0020 U
4/4/18	0.0020 U	0.0020 U	0.2580	0.0020 U	--	0.0020 U	85.7	0.0029	0.0020 U	0.0020 U	0.1 U	0.0020 U
9/4/18	0.0020 U	0.0020 U	0.2710	0.0020 U	--	0.0020 U	104.0	0.0040	0.0022	0.0021	0.1 U	0.0020 U
4/17/19	0.0010 U	0.0010 U	0.3150	0.0010 U	--	0.0010 U	105.0	0.0011	0.0046	0.0045	0.1 U	0.0010 U
8/8/19	0.0010 U	0.0010 U	0.3420	0.0010 U	--	0.0010 U	17.7	0.0028	0.0079	0.0055 B	0.1 U	0.0010 U
3/12/20	0.0010 U	0.0010 U	0.3550	0.0010 U	--	0.0010 U	119.0	0.0016	0.0077	0.0014	0.0 J	0.0010 U

Gude Landfill
Monitoring Location OB01 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/2/01	--	0.045	0.0002 U	0.0042	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0196
9/4/01	--	0.100	0.0002 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/13/02	--	0.033	0.0002 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/16/02	--	0.106	0.0002 U	0.0046	--	0.0020 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/2/03	--	0.283	0.0002 U	0.0069	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020 U	0.0020 U	--
10/8/03	--	0.749	0.0002 U	0.0088	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.075	0.0002 U	0.0033	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	0.845	0.0001 U	0.0125	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.133	0.0002 U	0.0035	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.852	0.0002 U	0.0151	--	0.0020 U	0.0018 U	--	0.0013	0.0050 U	0.0020 U	--
4/5/06	--	0.002 U	0.0001 U	0.0131	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	1.231	0.0002 U	0.0177	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0004	0.0194	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0157
10/4/07	--	--	0.0002 U	0.0182	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0084
3/27/08	--	--	0.0002 U	0.0152	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0161
3/9/09	--	--	0.0002	0.0182	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0120
9/22/09	36.000	2.770	0.0002 U	0.0260	3.52	0.0020 U	0.0020 U	47.4	0.0020 U	--	0.0003 J	0.0100 U
7/28/10	--	--	0.0002 U	0.0320	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0160
9/21/10	38.900	3.950	0.0002 U	0.0304	3.36	0.0050 U	0.0050 U	51.8	0.0050 U	--	0.0050 U	0.0107
4/20/11	45.300 J	5.070	0.0002 U	0.0307	3.81	0.0050 U	0.0050 U	58.2	0.0050 U	--	0.0050 U	0.0116
9/8/11	46.300	7.980	0.0002 U	--	3.78	0.0050 U	0.0050 U	66.3	0.0050 U	--	0.0050 U	0.0128
3/7/12	48.580	6.330	0.0004	0.0396	4.57	0.0050 U	0.0050 U	77.8	0.0050 U	--	0.0050 U	0.0163
9/13/12	38.600	3.740	0.0002 U	0.0289	3.85	0.0050 U	0.0050 U	57.2	0.0050 U	--	0.0050 U	0.0112

Gude Landfill
Monitoring Location OB01 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
4/2/13	45.000	3.800	0.0002 U	0.0322	4.55	0.0050 U	0.0050 U	73.6	0.0050 U	--	0.0050 U	0.0118
9/17/13	44.000	3.590	0.0002 U	0.0265	3.95	0.0050 U	0.0050 U	63.5	0.0050 U	--	0.0050 U	0.0120
3/6/14	52.100	4.990	0.0002 U	0.0313	4.35	0.0050 U	0.0050 U	94.1	0.0050 U	--	0.0050 U	0.0133
9/2/14	53.000	5.720	0.0002 U	0.0387	4.43	0.0050 U	0.0050 U	95.4	0.0050 U	--	0.0050 U	0.0174
3/19/15	61.000	5.300	0.0002	0.0400	5.10	0.0350 U	0.0100 U	120.0	0.0020 U	--	0.0100 U	0.0130
8/31/15	54.000	3.900	0.0002 U	0.0250	5.00	0.0050 U	0.0010 U	97.0	0.0010 U	--	0.0050 U	0.0110
3/17/16	56.300	5.040	0.0002 U	0.0226	4.38	0.0023	0.0006	125.0	0.0010 U	--	0.0020 U	0.0087
9/1/16	61.900	3.340	0.0002 U	0.0331	4.51	0.0040	0.0020 U	120.0	0.0010 U	--	0.0036	0.0106
3/13/17	45.200	1.250	0.0004	0.0140	4.00	0.0020 U	0.0020 U	94.7	0.0010 U	--	0.0047	0.0073
9/11/17	52.900	1.420	0.0002 U	0.0110	4.18	0.0020 U	0.0020 U	122.0	0.0010 U	--	0.0020 U	0.0070
4/4/18	52.600	0.969	0.0002 U	0.0110	4.44	0.0028	0.0020 U	122.0	0.0010 U	--	0.0020 U	0.0073
9/4/18	61.900	1.730	0.0002 U	0.0188	4.58	0.0042	0.0020 U	126.0	0.0010 U	--	0.0020 U	0.0085
4/17/19	74.900	3.540	0.0002	0.0266	5.05	0.0010 U	0.0010 U	141.0	0.0010 U	--	0.0010 U	0.0142
8/8/19	16.500	0.861	0.0001	0.0290	4.78	0.0010 U	0.0010 U	12.5	0.0010 U	--	0.0010 U	0.0175 B
3/12/20	84.900	4.550	0.0001	0.0269	5.48	0.0010 U	0.0010 U	187.0	0.0010 U	--	0.0010 U	0.0112

Gude Landfill

Printed 5/20/20

Monitoring Location OB01 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/2/01	--	--	--	--	5.04	--	--	--	--	0.06	--	--	10.0 U	--	1.02
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	4.84	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	14.51	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.92
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	2.08	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	2.95	0.15 U	0.22 U	1.00 U	0.21 U	1.00 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
10/8/03	0.18 U	0.15 U	1.00 U	0.22 U	5.95	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	1.00 U	2.34
3/23/04	0.18 U	0.15 U	1.00 U	0.22 U	2.27	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.16
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	2.50	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.88
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	0.4 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	2.03	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.10
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	1.37	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.45
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.28
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	2.31	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.04
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.48	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	1.09	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.81
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	1.02	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	0.50 U	0.54
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.85	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	0.39 J	0.75 J
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	1.33 J	2.00 U	2.00 U	9.68	2.00 U	0.59 J	2.00 U	2.00 U	1.5 J	2.00 U	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/2/01	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	0.10	--	--
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.75	0.11 U	0.35	0.15 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.28	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	1.94	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	0.49 J	1.00 U	1.00 U
7/28/10	--	1.00 U	2.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	3.19	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	1.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/2/01	--	--	--	0.05	--	--	0.3	0.56	--	--	11.92	--	--	0.88	--	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.0 U	1.00 U	0.21 U	--	10.88	0.19 U	0.17 U	1.04	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.3	1.00 U	0.21 U	--	25.37	0.19 U	0.17 U	1.68	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	1.00 U	0.21 U	--	6.14	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	1.00 U	0.21 U	--	13.94	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	1.0 U	1.00 U	0.21 U	--	47.72	0.19 U	0.17 U	1.24	--	1.00 U
3/23/04	0.18 U	0.14 U	1.00 U	1.04	0.15 U	0.28 U	0.2 U	1.00 U	1.00 U	--	19.47	0.19 U	0.17 U	1.00 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	1.00 U	0.25 U	--	33.97	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	1.00 U	0.25 U	--	5.98	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.0 U	1.00 U	0.25 U	--	34.36	0.29 U	0.27 U	1.29	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	16.06	0.29 U	0.27 U	1.00 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.26	0.3 U	1.00 U	0.25 U	--	34.18	0.29 U	0.27 U	1.00 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	1.00 U	0.25 U	--	22.85	0.29 U	0.27 U	1.00 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.21	0.3 U	1.00 U	0.25 U	--	25.50	0.29 U	0.27 U	1.00 U	--	0.23 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	14.78	0.13 U	0.15 U	0.50 U	--	0.26 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.69	0.1 U	0.76	0.20 U	--	9.71	0.12 U	0.13 U	0.50 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.03	0.3 J	0.65 J	1.00 U	--	11.80	1.00 U	1.00 U	0.44 J	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	0.80 J	1.00 U	--	13.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.43 J	2.0 U	0.74 J	2.00 U	--	7.71	2.00 U	2.00 U	1.85 J	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.60	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	6.20	1.00 U	1.00 U	--	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.10	1.0 U	1.38	1.00 U	--	6.68	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.81	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.39	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.97	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.63	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.79	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.59	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	1.20	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.0 U	1.00 U	1.00 U	1 U	1.50	1.00 U	1.00 U	--	5 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB01 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/2/01	--	--	0.06	--	--	--	--	--	0.13	0.04	--	--	--	--	--
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.13	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.03	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	1.00 U	1.00 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	1.00 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	1.00 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	0.66 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	0.77 J	2.00 U	2.00 U	1.05 J	2.00 U	2.00 U	2.00 U	0.53 J	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/13/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.12	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/12/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB01 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/2/01	0.84	--	--	0.69	--	--	6.50	--	--	--	--
9/4/01	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	7.59	0.18 U	--	--	--
3/13/02	1.61	0.24 U	--	1.03	0.13 U	0.14 U	5.41	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	3.11	0.18 U	--	--	--
6/2/03	2.20	0.24 U	--	1.00 U	0.13 U	0.14 U	3.85	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	3.35	0.13 U	0.14 U	12.71	0.18 U	--	6.02	--
3/23/04	1.00 U	1.00 U	--	1.00 U	0.13 U	0.14 U	4.37	0.18 U	--	1.20	--
9/20/04	1.00 U	0.32 U	--	1.08	0.24 U	0.30 U	5.77	0.36 U	--	5.13	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.03	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	1.09	0.24 U	0.30 U	2.49	0.36 U	--	4.40	--
4/5/06	1.00 U	0.32 U	--	1.00 U	0.24 U	0.30 U	2.25	0.36 U	--	3.32	--
9/25/06	1.26	0.32 U	--	1.13	0.24 U	0.30 U	2.34	0.36 U	--	5.26	--
4/17/07	1.00 U	0.32 U	--	1.00 U	0.24 U	0.30 U	1.52	0.36 U	--	1.42	--
10/4/07	1.00 U	0.32 U	--	1.42	0.24 U	0.30 U	1.44	0.36 U	--	4.75	--
3/27/08	0.50 U	0.28 U	0	0.50	0.08 U	--	0.83	0.07 U	--	1.31	--
3/9/09	1.20	0.12 U	1	0.50 U	0.13 U	--	0.88	0.10 U	--	0.90	--
9/22/09	1.00 U	1.00 U	--	0.40 J	1.00 U	1.00 U	0.73 J	1.00 U	--	0.55 J	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	0.50 J	1.00 U	1 U	4.00	--
9/21/10	2.00 U	2.00 U	--	0.70 J	2.00 U	2.00 U	2.00 U	2.00 U	2 U	5.09	--
4/20/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 5/20/20

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/8/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.20	1 U
9/13/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.30	--
9/17/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/12/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB02 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/2/01	--	--	--	76.7940	0.005 U	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	77.0228	0.003	--	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	80.4001	0.004	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	77.8282	0.001	--	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	84.7667	0.002 U	--	--	--	--	--	--	--	--	0.015	--
10/8/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.046	--
3/23/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.024	--
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.012	--
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014	--
9/25/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.021	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016	--
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	67.0	0.20 U	10.0 U	212.0000	--	--	350.0	0.2000 U	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/14/10	72.0	0.20 U	10.0 U	90.0000	--	--	169.0	0.2000 U	0 U	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
4/21/11	70.0	0.20 U	10.0 U	47.3000	--	--	130.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/6/11	72.0	0.20 U	10.0 U	51.1000	--	--	125.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/7/12	68.0	0.20 U	10.0 U	49.9000	--	--	116.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	68.0	0.20 U	10.0 U	404.0000	--	--	500.0	0.5750	1	0.05 U	--	--	--	--	--
3/26/13	67.0	0.20 U	34.6	27.8000	--	0	86.0	0.2000 U	0 U	0.05 U	182	7.16	--	--	253
9/17/13	65.0	0.20 U	10.0 U	32.2000	--	0	98.0	0.2000 U	0 U	0.05 U	196	6.74	--	--	229
3/12/14	67.0	0.20 U	10.0 U	24.3000	--	0	106.0	0.2000 U	--	--	184	6.85	--	--	199
9/8/14	66.0	0.20 U	10.0 U	44.8000	--	2	118.0	0.2000 U	0 U	0.05 U	178	7.10	--	--	268
3/18/15	72.0	0.20 U	10.0 U	101.0000	--	0	170.0	0.2000 U	0 U	0.05 U	298	6.66	--	--	389
8/31/15	73.0	0.20 U	10.0 U	107.0000	--	3	202.0	0.2000 U	0 U	0.05 U	165	6.77	--	--	509
3/16/16	67.0	0.20 U	10.0 U	54.8000	--	0	120.0	0.2000 U	0 U	0.05 U	221	7.02	--	--	301
8/29/16	85.0	0.20 U	10.0 U	109.0000	--	--	196.0	0.2000 U	0 U	0.05 U	220	6.41	--	--	485
3/6/17	102.0	0.20 U	10.0 U	32.2000	--	4	112.0	0.2000 U	0 U	0.05 U	299	7.00	--	--	223
9/12/17	93.0	0.20 U	10.0 U	20.7000	--	12	170.0	0.2000 U	0 U	0.05 U	329	7.11	--	--	194
3/27/18	70.2	0.20 U	10.0 U	12.1000	--	--	82.0	0.2000 U	0 U	0.05 U	136	7.15	--	--	159
9/11/18	69.3	0.20 U	10.0 U	80.9000	--	--	156.0	0.2000 U	0 U	0.05 U	128	6.47	--	--	403
4/17/19	59.3	0.10 U	12.0	195.0000	--	0	--	0.2000 J	--	--	168	5.99	6.69	--	889
8/2/19	59.6	0.10 U	6.3	209.0000	--	0	--	0.2000 U	--	--	176	5.63	6.18	--	1
3/3/20	72.6	0.10 U	3.0 U	174.0000	--	0	--	0.2000 U	--	--	181	6.12	6.29	--	687

Gude Landfill Monitoring Location OB02 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/2/01	--	--	--	--	--	--	--	4.1	--
9/5/01	--	--	--	--	--	--	--	15.6	--
3/12/02	--	--	--	--	--	--	--	9.1	--
9/16/02	--	--	--	--	--	--	--	5.0	--
6/2/03	--	--	--	--	--	0 U	--	3.4	--
10/8/03	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	0 U	--	--	--
9/22/09	--	13.5	--	--	780	--	--	10.3	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/14/10	--	7.4	--	--	388	--	--	2.6	--

Gude Landfill
Monitoring Location OB02 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/21/11	--	4.2	--	--	336	--	--	33.3	--
9/6/11	--	5.9	--	--	1264	--	--	--	--
3/7/12	--	4.5	--	--	252	--	--	--	--
9/10/12	--	20.2	--	--	1124	--	--	--	--
3/26/13	--	5.1	--	14.0	152	--	--	--	7.5
9/17/13	--	4.8	--	15.5	174	--	--	--	35.3
3/12/14	--	5.0	--	14.7	178	--	--	--	83.2
9/8/14	--	5.5	--	15.3	166	--	--	--	10.5
3/18/15	--	7.3	--	11.5	286	--	--	--	23.9
8/31/15	--	6.3	--	19.4	320	--	--	--	14.9
3/16/16	--	6.2	--	18.3	263	--	--	--	3.0
8/29/16	--	8.2	--	17.4	382	--	--	--	16.4
3/6/17	--	5.3	--	10.8	115	--	--	--	7.7
9/12/17	--	5.3	--	14.4	150	--	--	--	--
3/27/18	--	5.3	--	11.9	133	--	--	--	5.9
9/11/18	--	6.5	--	14.9	262	--	--	--	8.6
4/17/19	719	15.8	--	13.9	642	--	10.6	8.5	6.4
8/2/19	826	20.0	--	16.1	616	--	4.2	3.9	0.4
3/3/20	717	14.4	--	15.8	494	--	12.0	11.3	7.3

Gude Landfill
Monitoring Location OB02 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.070	0.005 U	0.005 U	25.5	0.01 U	0.01 U	0.005 U	0.6	0.005 U	10.7	0.934	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.063	0.005 U	0.005 U	28.5	0.01 U	0.01 U	0.005 U	0.9	0.005 U	11.5	0.839	0.0002 U
9/10/12	0.005 U	0.005 U	0.052	0.005 U	0.005 U	23.3	0.01 U	0.01 U	0.005 U	0.4	0.005 U	10.4	0.653	0.0002 U
3/26/13	0.005 U	0.005 U	0.049	0.005 U	0.005 U	20.9	0.01 U	0.01 U	0.011	0.3	0.005 U	8.9	0.623	0.0002 U
9/17/13	0.005 U	0.005 U	0.049	0.005 U	0.005 U	23.4	0.01 U	0.01 U	0.005 U	0.3	0.005 U	9.7	0.619	0.0002 U
3/12/14	0.005 U	0.005 U	0.041	0.005 U	0.005 U	19.9	0.01 U	0.01 U	0.005 U	0.4	0.005 U	7.4	0.592	0.0002 U
9/8/14	0.005 U	0.005 U	0.060	0.005 U	0.005 U	24.8	0.01 U	0.01 U	0.005 U	0.3	0.005 U	10.3	0.673	0.0002 U
3/18/15	0.002 U	0.002 U	0.059	0.002 U	0.004 U	18.0	0.01 U	0.01 U	0.002 U	0.3	0.002 U	8.7	0.390	0.0002 U
8/31/15	0.001 U	0.001 U	0.120	0.001 U	0.001 U	44.0	0.01	0.01 U	0.005 U	0.2	0.001 U	19.0	1.400	0.0002 U
3/16/16	0.002 U	0.002 U	0.075	0.002 U	0.002 U	28.0	0.00 U	0.00 U	0.002 U	0.2	0.002 U	11.8	0.700	0.0002 U
8/29/16	0.002 U	0.002 U	0.128	0.002 U	0.002 U	40.3	0.00 U	0.00 U	0.002 U	0.4	0.002 U	18.3	1.140	0.0002 U
3/6/17	0.002 U	0.002 U	0.051	0.002 U	0.002 U	23.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	9.2	0.246	0.0002 U
9/12/17	0.002 U	0.002 U	0.042	0.002 U	0.002 U	20.3	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	7.8	0.268	0.0002 U
3/27/18	0.002 U	0.002 U	0.030	0.002 U	0.002 U	17.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	6.3	0.258	0.0002 U
9/11/18	0.002 U	0.002 U	0.086	0.002 U	0.002 U	34.3	0.00 U	0.00 U	0.002 U	0.1	0.002 U	15.1	0.779	0.0002 U

Gude Landfill

Monitoring Location OB02 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01 U	3.3	0.005 U	0.01 U	11.0	0.005 U	0.01 U	0.005 U
9/6/11	0.01 U	--	--	--	--	--	--	--
3/7/12	0.01 U	3.7	0.005 U	0.01 U	15.7	0.005 U	0.01 U	0.006
9/10/12	0.01	3.5	0.005 U	0.01 U	11.1	0.005 U	0.01 U	0.006
3/26/13	0.01 U	3.3	0.005 U	0.01 U	14.0	0.005 U	0.01 U	0.005 U
9/17/13	0.01 U	3.1	0.005 U	0.01 U	10.2	0.005 U	0.01 U	0.005
3/12/14	0.01 U	2.8	0.005 U	0.01 U	8.6	0.005 U	0.01 U	0.006
9/8/14	0.01 U	3.2	0.005 U	0.01 U	10.0	0.005 U	0.01 U	0.007
3/18/15	0.01 U	2.1	0.035 U	0.01 U	7.3	0.002 U	0.01 U	0.021
8/31/15	0.01	4.8	0.005 U	0.00 U	15.0	0.001 U	0.01 U	0.005 U
3/16/16	0.00 U	3.6	0.002 U	0.00 U	11.2	0.001 U	0.00 U	0.002 U
8/29/16	0.00	4.3	0.002 U	0.00 U	14.5	0.001 U	0.00 U	0.002 U
3/6/17	0.00 U	3.1	0.002 U	0.00 U	9.7	0.001 U	0.00 U	0.002 U
9/12/17	0.00 U	2.8	0.002 U	0.00 U	8.8	0.001 U	0.00 U	0.002 U
3/27/18	0.00 U	2.6	0.002 U	0.00 U	7.9	0.001 U	0.00 U	0.002 U
9/11/18	0.00	3.8	0.002 U	0.00 U	12.3	0.001 U	0.00 U	0.002 U

Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/2/01	0.0007 U	0.0005 U	0.0540	0.0005 U	--	0.0020 U	--	0.0020 U	0.0007 U	0.0100 U	--	0.0020 U
9/5/01	0.0020 U	0.0020 U	0.1256	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0121	--	0.0167
3/12/02	0.0020 U	0.0007 U	0.0838	0.0017 U	--	0.0020 U	--	0.0035	0.0020 U	0.0132	--	0.0051
9/16/02	0.0007 U	0.0020 U	0.1125	0.0004 U	--	0.0020 U	--	0.0026	0.0020 U	0.0137	--	0.0034
6/2/03	0.0007 U	0.0020 U	0.0524	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0090	--	0.0020 U
10/8/03	0.0009 U	0.0020 U	0.1579	0.0016 U	--	0.0020 U	--	0.0020 U	0.0030	0.0100 U	--	0.0020 U
3/23/04	0.0009 U	0.0020 U	0.1567	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0106	--	0.0020
9/20/04	0.0028 U	0.0020 U	0.1684	0.0012 U	--	0.0020 U	--	0.0020 U	0.0034	0.0154	--	0.0020 U
4/5/05	0.0028 U	0.0006 U	0.1443	0.0012 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0176	--	0.0020 U
9/21/05	0.0028 U	0.0020 U	0.1971	0.0012 U	--	0.0020 U	--	0.0020 U	0.0055	0.0267	--	0.0049
4/4/06	0.0006 U	0.0006 U	0.1508	0.0007 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0101	--	0.0022
9/25/06	0.0007 U	0.0008 U	0.2539	0.0009 U	--	0.0006 U	--	0.0020 U	0.0049	0.0054	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.2817	0.0009 U	0.020 U	--	--	0.0020 U	0.0065	0.0080	--	0.0020 U
10/4/07	0.0020 U	0.0020 U	0.2464	0.0009 U	0.020 U	--	--	0.0020 U	0.0020 U	0.0192	--	0.0020 U
3/26/08	0.0005 U	0.0006 U	0.1635	0.0010 U	0.020 U	--	--	0.0008 U	0.0020 U	0.0052	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.1338	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0074	--	0.0020 U
3/5/09	0.0020	0.0006 U	0.1568	0.0010 U	0.020 U	--	--	0.0008 U	0.0012 U	0.0055	--	0.0010 U
9/22/09	0.0020 U	0.0020 U	0.2960	0.0020 U	--	0.0020 U	60.6	0.0020 U	0.0057	0.0060	2.7	0.0020 U
7/28/10	0.0010 U	0.0024	0.1500	0.0010 U	--	0.0012	--	0.0100	0.0081	0.0290	--	0.0096
9/14/10	0.0050 U	0.0050 U	0.1260	0.0050 U	--	0.0050 U	39.1	0.0050 U	0.0050 U	0.0069	0.8	0.0050 U
4/21/11	0.0050 U	0.0050 U	0.5310	0.0050 U	--	0.0050 U	72.2	0.0050 U	0.0587	0.0050 U	25.2 U	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.0771	0.0050 U	--	0.0050 U	28.2	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U
3/7/12	0.0050 U	0.0050 U	0.0702	0.0050 U	--	0.0050 U	28.4	0.0050 U	0.0050 U	0.0063	1.2	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/10/12	0.0050 U	0.0050 U	0.4270	0.0050 U	--	0.0050 U	103.0	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.0500	0.0050 U	--	0.0050 U	20.9	0.0050 U	0.0050 U	0.0106	0.7	0.0050 U
9/17/13	0.0050 U	0.0050 U	0.0524	0.0050 U	--	0.0050 U	23.6	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.0575	0.0050 U	--	0.0050 U	23.3	0.0050 U	0.0050 U	0.0086	3.3	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.0636	0.0050 U	--	0.0050 U	23.6	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U
3/18/15	0.0020 U	0.0020 U	0.1200	0.0020 U	--	0.0040 U	35.0	0.0072 J	0.0100 U	0.0044 J	1.4	0.0020 U
8/31/15	0.0010 U	0.0010 U	0.1300	0.0010 U	--	0.0005 U	42.0	0.0190	0.0050 U	0.0050 U	1.1	0.0010 U
3/16/16	0.0020 U	0.0020 U	0.0814	0.0020 U	--	0.0020 U	39.0	0.0020 U	0.0020 U	0.0020 U	0.6	0.0020 U
8/29/16	0.0050 U	0.0050 U	0.1470	0.0050 U	--	0.0050 U	49.7	0.0050 U	0.0050 U	0.0050 U	1.4	0.0050 U
3/6/17	0.0050 U	0.0050 U	0.0687	0.0050 U	--	0.0050 U	25.3	0.0050 U	0.0050 U	0.0055	1.3	0.0050 U
9/12/17	0.0050 U	0.0050 U	0.0574	0.0050 U	--	0.0050 U	22.5	0.0050 U	0.0050 U	0.0095	1.2	0.0050 U
3/27/18	0.0050 U	0.0050 U	0.0433	0.0050 U	--	0.0050 U	18.9	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
9/11/18	0.0050 U	0.0050 U	0.1040	0.0050 U	--	0.0050 U	36.1	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U
4/17/19	0.0010 U	0.0010 U	0.2990	0.0010 U	--	0.0010 U	49.4	0.0029	0.0051	0.0033	0.7	0.0010 U
8/2/19	0.0010 U	0.0010 U	0.3330	0.0010 U	--	0.0010 U	55.1	0.0031	0.0060	0.0018	0.5	0.0010 U
3/3/20	0.0010 U	0.0010 U	0.2360	0.0010 U	--	0.0010 U	50.8	0.0020	0.0072	0.0014	1.0	0.0010 U

Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/2/01	--	0.116	0.0001 U	0.0020 U	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0100 U
9/5/01	--	0.912	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0027	0.2000 U	0.0020 U	--
3/12/02	--	0.426	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.437	0.0001 U	0.0050	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020	0.0003 U	--
6/2/03	--	0.122	0.0002 U	0.0025	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
10/8/03	--	1.429	0.0002 U	0.0043	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.552	0.0002 U	0.0035	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	1.252	0.0001 U	0.0046	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.238	0.0001 U	0.0040	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	1.319	0.0001 U	0.0074	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0021	--
4/4/06	--	0.147	0.0001 U	0.0022	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	1.314	0.0002 U	0.0047	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0088	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0170
10/4/07	--	--	0.0002 U	0.0062	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0176
3/26/08	--	--	0.0002 U	0.0028	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	--	0.0002 U	0.0021	--	0.0009 U	0.0008 U	--	0.0006 U	0.0011 U	0.0006 U	0.0100 U
9/22/09	32.200	1.210	0.0002 U	0.0082	5.91	0.0020 U	0.0020 U	22.6	0.0020 U	--	0.0020 U	0.0100 U
7/28/10	--	--	0.0002 U	0.0130	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0150	0.0430
9/14/10	17.700	1.240	0.0002 U	0.0050 U	4.43	0.0050 U	0.0050 U	17.8	0.0050 U	--	0.0050 U	0.0053
4/21/11	59.300	10.100	0.0002 U	0.0168	13.70 J	0.0050 U	0.0050 U	111.0 J	0.0050 U	--	0.0050 U	0.0077
9/6/11	12.100	0.876	0.0002 U	--	3.99	0.0050 U	0.0050 U	11.0	0.0050 U	--	0.0050 U	0.0064
3/7/12	11.970	0.919	0.0002 U	0.0050 U	3.76	0.0050 U	0.0050 U	15.6	0.0050 U	--	0.0050 U	0.0063

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/10/12	59.000	0.058	0.0002 U	0.0050 U	5.69	0.0050 U	0.0050 U	34.5	0.0050 U	--	0.0050 U	0.0086
3/26/13	9.450	0.600	0.0002 U	0.0050 U	3.33	0.0050 U	0.0050 U	14.8	0.0050 U	--	0.0050 U	0.0050 U
9/17/13	9.940	0.623	0.0002 U	0.0050 U	3.25	0.0050 U	0.0050 U	10.2	0.0050 U	--	0.0050 U	0.0062
3/12/14	9.400	0.686	0.0002 U	0.0056	3.48	0.0050 U	0.0050 U	10.0	0.0050 U	--	0.0050 U	0.0162
9/8/14	10.600	0.699	0.0002 U	0.0050 U	3.27	0.0050 U	0.0050 U	10.3	0.0050 U	--	0.0050 U	0.0082
3/18/15	17.000	0.840	0.0002 U	0.0110 U	4.10	0.0350 U	0.0100 U	13.0	0.0020 U	--	0.0100 U	0.0100 U
8/31/15	20.000	1.300	0.0002 U	0.0180	5.00	0.0050 U	0.0010 U	15.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	16.600	0.800	0.0002 U	0.0020 U	3.41	0.0020 U	0.0020 U	15.6	0.0010 U	--	0.0020 U	0.0020 U
8/29/16	20.100	1.270	0.0002 U	0.0050 U	4.53	0.0050 U	0.0050 U	15.7	0.0050 U	--	0.0050 U	0.0059
3/6/17	9.900	0.573	0.0002 U	0.0050 U	3.33	0.0050 U	0.0050 U	10.4	0.0050 U	--	0.0050 U	0.0054
9/12/17	8.710	0.593	0.0002 U	0.0050 U	3.00	0.0050 U	0.0050 U	9.4	0.0050 U	--	0.0050 U	0.0266
3/27/18	6.840	0.608	0.0002 U	0.0050 U	2.82	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0050 U	0.0307
9/11/18	16.100	0.879	0.0002 U	0.0050 U	4.11	0.0050 U	0.0050 U	13.4	0.0050 U	--	0.0050 U	0.0050 U
4/17/19	33.100	1.180	0.0001 U	0.0137	6.30	0.0010 U	0.0010 U	25.9	0.0010 U	--	0.0010 U	0.0209
8/2/19	36.300	1.480	0.0001 U	0.0153	6.89	0.0010 U	0.0010 U	27.6	0.0010 U	--	0.0010 U	0.0040 U
3/3/20	30.300	1.740	0.0001 U	0.0086	6.34	0.0010 U	0.0010 U	22.9	0.0010 U	--	0.0010 U	0.0044

Gude Landfill

Printed 5/20/20

Monitoring Location OB02 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/2/01	--	--	--	--	--	--	--	--	--	--	--	--	10.0 U	--	--
9/5/01	0.18 U	1.00 U	0.23 U	0.22 U	0.19 U	1.00 U	1.00 U	1.10	0.21 U	1.00 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	1.48	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	1.00 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	0.2 U	0.17 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	1.00 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	1.00 U	4.97	0.40 U	1.00 U	1.13	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location OB02 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/2/01	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	--	--	--
9/5/01	1.00 U	0.19 U	10.00 U	1.00 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	1.00 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.42	0.15 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	1.00 U	0.11 U	5.33	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.38 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.61 J	--	1 U	--	1.00 U	1.00 U	1.00 U
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	14.50	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.40 B	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/2/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/5/01	0.18 U	0.14 U	1.00 U	1.92	1.00 U	1.00 U	1.0 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	1.90	--	1.00 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.90	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	50.54	0.19 U	0.17 U	0.20 U	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	21.16	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	12.61	0.29 U	0.27 U	0.20 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	4.53	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	1.00 U	0.3 U	0.27 U	1.00 U	--	6.06	0.29 U	0.27 U	1.00 U	--	1.00 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.79	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.41	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.14	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.19	0.29 U	0.27 U	0.20 U	--	0.23 U
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	1.96	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.38	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.15	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.71 U	1.00 U	1.00 U	1.00 U	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

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Monitoring Location OB02 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/2/01	--	--	0.06	--	--	--	--	--	0.10	0.04	--	0.06	0.04	--	--
9/5/01	--	1.00 U	1.00 U	1.00 U	--	--	0.22 U	1.00 U	1.11	1.00 U	0.27 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.69	1.00 U	1.00 U	1.74	1.39	1.00 U	1.00 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/26/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/14/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/2/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB02 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/2/01	0.13	--	--	--	--	--	--	--	--	--	--
9/5/01	1.35	1.00 U	--	1.00 U	0.13 U	1.00 U	1.00 U	1.12	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
9/16/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/2/03	1.84	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	2.89	1.00 U	--	1.00 U	0.13 U	1.00 U	8.04	0.18 U	--	1.87	--
3/23/04	0.17 U	0.24 U	--	1.00 U	0.13 U	0.14 U	4.92	0.18 U	--	0.19	--
9/20/04	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.99	0.36 U	--	1.00 U	--
4/5/05	1.00 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.36	0.36 U	--	0.32 U	--
9/21/05	1.67	1.00 U	--	0.45 U	0.24 U	0.30 U	2.04	0.36 U	--	0.32 U	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/4/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/26/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.50 U	0.07 U	--	0.22 U	--
9/23/08	0.50 U	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/22/09	0.55 U	1.00 U	--	1.00 U	1.00 U	1.00 U	0.32 U	1.00 U	--	1.00 U	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/14/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--

Gude Landfill

Monitoring Location OB02 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/21/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/17/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/12/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/29/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/2/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB02A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/2/01	--	--	--	74.0551	0.005 U	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	69.1777	0.003	--	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	81.3822	0.002	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	140.4650	0.001 U	--	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	54.9980	0.002 U	--	--	--	--	--	--	--	--	0.078	--
10/8/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.083	--
3/23/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.039	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.056	--
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.064	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.543	--
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.062	--
9/25/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.049	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.053	--
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.063	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	38.0	0.20 U	3.6 J	280.0000	--	--	390.0	0.5894	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/14/10	40.0	0.20 U	10.0 U	310.0000	--	--	420.0	0.5890	1	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
4/21/11	35.0	0.20 U	10.0 U	302.0000	--	--	391.0	0.5430	1	0.05 U	--	--	--	--	--
9/6/11	36.0	0.20 U	10.0 U	350.0000	--	--	463.0	0.5760	1	0.05 U	--	--	--	--	--
3/7/12	36.0	0.20 U	10.0 U	334.0000	--	--	414.0	0.5820	1	0.05 U	--	--	--	--	--
9/10/12	33.0	0.20 U	10.0 U	36.0000	--	--	112.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/26/13	33.0	0.20 U	10.0 U	335.0000	--	0	426.0	0.6230	1	0.05 U	343	5.70	--	--	1
9/17/13	34.0	0.20 U	10.0 U	419.0000	--	0	520.0	0.6160	1	0.05 U	404	5.34	--	--	1327
3/12/14	33.0	0.20 U	10.0 U	359.0000	--	0	444.0	0.6510	--	--	401	5.33	--	--	1125
9/8/14	37.0	0.20 U	10.0 U	383.0000	--	3	498.0	0.6140	1	0.05 U	327	5.77	--	--	1249
3/18/15	32.0	0.20 U	10.0 U	299.0000	--	0	432.0	0.6250	1	0.05 U	376	5.49	--	--	851
8/31/15	37.0	0.20 U	10.0 U	431.0000	--	1	580.0	0.6930	1	0.05 U	280	5.59	--	--	1365
3/16/16	35.0	0.20 U	10.0 U	391.0000	--	0	508.0	0.9900	1	0.05 U	370	5.58	--	--	1230
8/29/16	38.0	0.20 U	10.0 U	405.0000	--	--	552.0	0.9440	1	0.05 U	374	5.66	--	--	686
3/6/17	63.0	0.20 U	10.0 U	407.0000	--	--	202.0	1.3800	1	0.05 U	424	5.55	--	--	1292
9/12/17	52.0	0.20 U	10.0 U	401.0000	--	1	450.0	1.6700	2	0.05 U	468	5.74	--	--	1433
3/27/18	39.2	0.20 U	10.0 U	394.0000	--	--	540.0	1.9100	2	0.05 U	235	5.75	--	--	1208
9/11/18	41.4	0.20 U	10.0 U	381.0000	--	--	473.0	1.6600	2	0.05 U	232	5.52	--	--	1246
4/17/19	34.7	0.10 U	13.0	196.0000	--	1	--	1.9000	--	--	168	5.50	5.78	--	87
8/2/19	44.3	0.10 U	8.9	322.0000	--	0	--	1.2000	--	--	188	5.30	5.88	--	1
3/3/20	38.1	0.10 U	3.0 U	331.0000	--	1	--	1.7100	--	--	238	5.48	5.63	--	1124

Gude Landfill
Monitoring Location OB02A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/2/01	--	--	--	--	--	--	--	1.6	--
9/5/01	--	--	--	--	--	--	--	2.7	--
3/12/02	--	--	--	--	--	--	--	1.9	--
9/16/02	--	--	--	--	--	--	--	3.0	--
6/2/03	--	--	--	--	--	0 U	--	2.8	--
10/8/03	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	0 U	--	--	--
9/22/09	--	22.4	--	--	1088	--	--	3.8	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/14/10	--	25.4	--	--	1192	--	--	0.9	--

Gude Landfill
Monitoring Location OB02A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/21/11	--	17.8 J	--	--	288	--	--	0.4	--
9/6/11	--	21.5	--	--	68	--	--	--	--
3/7/12	--	18.4	--	--	824	--	--	--	--
9/10/12	--	4.9	--	--	176	--	--	--	--
3/26/13	--	19.3	--	14.7	796	--	--	--	0.0
9/17/13	--	22.2	--	15.7	1072	--	--	--	0.0
3/12/14	--	22.5	--	14.8	944	--	--	--	1.6
9/8/14	--	22.9	--	15.1	826	--	--	--	1.4
3/18/15	--	17.5	--	13.6	644	--	--	--	5.4
8/31/15	--	21.5	--	16.8	932	--	--	--	2.6
3/16/16	--	23.5	--	17.4	770	--	--	--	4.6
8/29/16	--	23.2	--	15.5	936	--	--	--	0.0
3/6/17	--	19.3	--	13.7	670	--	--	--	0.0
9/12/17	--	18.5	--	14.5	929	--	--	--	0.0
3/27/18	--	19.9	--	11.6	1040	--	--	--	16.8
9/11/18	--	19.7	--	15.6	747	--	--	--	0.0
4/17/19	707	24.5	--	14.4	659	--	24.1	7.7	9.9
8/2/19	1160	24.1	--	16.6	975	--	2.3 U	0.5 U	0.0
3/3/20	1150	24.1	--	17.0	772	--	41.8	2.7	4.5

Gude Landfill
Monitoring Location OB02A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.339	0.005 U	0.005 U	84.8	0.01 U	0.01 U	0.006	0.7	0.005 U	48.6	0.039	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.366	0.005 U	0.005 U	89.3	0.01 U	0.01 U	0.006	0.4	0.005 U	49.9	0.046	0.0002 U
9/10/12	0.005 U	0.005 U	0.439	0.010 U	0.005 U	109.0	0.01 U	0.01 U	0.005	0.6	0.005 U	64.4	0.054	0.0002 U
3/26/13	0.005 U	0.005 U	0.377	0.005 U	0.005 U	90.0	0.01 U	0.01 U	0.012	0.4	0.005 U	52.1	0.040	0.0002 U
9/17/13	0.005 U	0.005 U	0.444	0.005 U	0.005 U	112.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	67.6	0.054	0.0002 U
3/12/14	0.005 U	0.005 U	0.397	0.005 U	0.005 U	95.6	0.01 U	0.01 U	0.005 U	0.5	0.005 U	53.0	0.047	0.0002 U
9/8/14	0.005 U	0.005 U	0.435	0.005 U	0.005 U	98.3	0.01 U	0.01 U	0.005 U	0.5	0.005 U	58.7	0.049	0.0002 U
3/18/15	0.002 U	0.002 U	0.310	0.002 U	0.004 U	85.0	0.01 U	0.01 U	0.003 J	0.0 U	0.002 U	45.0	0.025	0.0002 U
8/31/15	0.001 U	0.001 U	0.460	0.001 U	0.001 U	110.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	65.0	0.043	0.0002 U
3/16/16	0.002 U	0.002 U	0.435	0.002 U	0.002 U	102.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	59.3	0.053	0.0002 U
8/29/16	0.002 U	0.002 U	0.470	0.002 U	0.002 U	102.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	63.6	0.047	0.0002 U
3/6/17	0.002 U	0.004	0.498	0.002 U	0.002 U	108.0	0.00	0.00 U	0.003	0.6	0.002 U	65.5	0.045	0.0002 U
9/12/17	0.002 U	0.002 U	0.494	0.002 U	0.002 U	107.0	0.00 U	0.00 U	0.002 U	0.5	0.002 U	65.4	0.041	0.0002 U
3/27/18	0.002 U	0.002 U	0.463	0.002 U	0.002 U	102.0	0.00	0.00 U	0.002 U	0.2 U	0.002 U	61.3	0.028	0.0002 U
9/11/18	0.002 U	0.002 U	0.430	0.002 U	0.002 U	88.2	0.00	0.00 U	0.002 U	0.1 U	0.002 U	53.2	0.033	0.0002 U

Gude Landfill

Monitoring Location OB02A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	4.4	0.005 U	0.01 U	29.9	0.005 U	0.01 U	0.008
9/6/11	0.01	--	--	--	--	--	--	--
3/7/12	0.01	5.3	0.005 U	0.01 U	35.3	0.005 U	0.01 U	0.007
9/10/12	0.01 U	5.8	0.005 U	0.01 U	39.1	0.005 U	0.01 U	0.009
3/26/13	0.01	5.0	0.005 U	0.01 U	36.0	0.005 U	0.01 U	0.007
9/17/13	0.01	5.5	0.005 U	0.01 U	39.8	0.005 U	0.01 U	0.008
3/12/14	0.01	4.6	0.005 U	0.01 U	33.7	0.005 U	0.01 U	0.009
9/8/14	0.01	5.0	0.005 U	0.01 U	39.0	0.005 U	0.01 U	0.010
3/18/15	0.01	3.7	0.035 U	0.01 U	28.0	0.002 U	0.01 U	0.008 U
8/31/15	0.01 U	5.8	0.005 U	0.00 U	46.0	0.001 U	0.01 U	0.005 U
3/16/16	0.01	4.5	0.002 U	0.00 U	40.8	0.001 U	0.00 U	0.004
8/29/16	0.01	5.4	0.002 U	0.00 U	43.7	0.001 U	0.00 U	0.004
3/6/17	0.02	5.2	0.002 U	0.00 U	46.1	0.001 U	0.00	0.006
9/12/17	0.01	5.2	0.002 U	0.00 U	46.1	0.001 U	0.00 U	0.004
3/27/18	0.01	5.3	0.002 U	0.00 U	44.9	0.001 U	0.00 U	0.005
9/11/18	0.01	5.0	0.002 U	0.00 U	40.3	0.001 U	0.00 U	0.004

Gude Landfill
Monitoring Location OB02A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/2/01	0.0007 U	0.0005 U	0.0791	0.0005 U	--	0.0022	--	0.0020 U	0.0007 U	0.0139	--	0.0029
9/5/01	0.0020 U	0.0020 U	0.0946	0.0017 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0086	--	0.0034
3/12/02	0.0020 U	0.0007 U	0.1163	0.0017 U	--	0.0020 U	--	0.0039	0.0004 U	0.0118	--	0.0026
9/16/02	0.0007 U	0.0003 U	0.1795	0.0004 U	--	0.0020 U	--	0.0026	0.0020 U	0.0102	--	0.0063
6/2/03	0.0007 U	0.0020 U	0.1050	0.0004 U	--	0.0020 U	--	0.0005 U	0.0004 U	0.0090	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0976	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0100 U	--	0.0020 U
3/23/04	0.0009 U	0.0008 U	0.1032	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0006 U	0.1403	0.0012 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0154	--	0.0020 U
4/5/05	0.0028 U	0.0006 U	0.1033	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0159	--	0.0020 U
9/21/05	0.0028 U	0.0006 U	0.1198	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0114	--	0.0020
4/4/06	0.0006 U	0.0006 U	0.1035	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0137	--	0.0031
9/25/06	0.0007 U	0.0008 U	0.2976	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0057	--	0.0007 U
4/17/07	0.0007 U	0.0008 U	0.2861	0.0009 U	0.006 U	--	--	0.0020 U	0.0005 U	0.0062	--	0.0007 U
10/2/07	0.0020 U	0.0008 U	0.1479	0.0009 U	0.006 U	--	--	0.0020 U	0.0005 U	0.0103	--	0.0020 U
3/26/08	0.0005 U	0.0006 U	0.2413	0.0010 U	0.020 U	--	--	0.0020 U	0.0012 U	0.0045	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.1676	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0061	--	0.0020 U
3/5/09	0.0033	0.0006 U	0.2743	0.0010 U	0.020 U	--	--	0.0020 U	0.0012 U	0.0064	--	0.0010 U
9/22/09	0.0020 U	0.0020 U	0.3540	0.0020 U	--	0.0020 U	77.5	0.0020 U	0.0003 J	0.0054	0.4	0.0020 U
7/28/10	0.0010 U	0.0010	0.3500	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0010	--	0.0010 U
9/14/10	0.0050 U	0.0050 U	0.3450	0.0050 U	--	0.0050 U	87.1	0.0050 U	0.0050 U	0.0077	0.7	0.0050 U
4/21/11	0.0050 U	0.0050 U	0.3490	0.0050 U	--	0.0050 U	82.9	0.0050 U	0.0050 U	0.0053	0.5 U	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.3970	0.0050 U	--	0.0050 U	96.3	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/7/12	0.0050 U	0.0050 U	0.3560	0.0050 U	--	0.0050 U	94.0	0.0050 U	0.0050 U	0.0051	0.4	0.0050 U

Gude Landfill
Monitoring Location OB02A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/10/12	0.0050 U	0.0050 U	0.0568	0.0050 U	--	0.0050 U	24.7	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.3850	0.0050 U	--	0.0050 U	90.3	0.0050 U	0.0050 U	0.0112	0.5	0.0050 U
9/17/13	0.0050 U	0.0050 U	0.4390	0.0050 U	--	0.0050 U	112.0	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.3990	0.0050 U	--	0.0050 U	88.9	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.4360	0.0050 U	--	0.0050 U	91.2	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/18/15	0.0020 U	0.0020 U	0.3000	0.0020 U	--	0.0040 U	80.0	0.0033 J	0.0100 U	0.0035 J	0.6	0.0020 U
8/31/15	0.0010 U	0.0010 U	0.4600	0.0010 U	--	0.0005 U	110.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/16/16	0.0020 U	0.0020 U	0.4360	0.0020 U	--	0.0020 U	102.0	0.0020 U	0.0020 U	0.0020 U	0.7	0.0020 U
8/29/16	0.0020 U	0.0020 U	0.4730	0.0020 U	--	0.0020 U	103.0	0.0020 U	0.0020 U	0.0020 U	1.3	0.0020 U
3/6/17	0.0050 U	0.0050 U	0.4770	0.0050 U	--	0.0050 U	111.0	0.0050 U	0.0050 U	0.0050 U	1.2	0.0050 U
9/12/17	0.0020 U	0.0020 U	0.4880	0.0020 U	--	0.0020 U	107.0	0.0020 U	0.0020 U	0.0020 U	0.9	0.0020 U
3/27/18	0.0050 U	0.0050 U	0.4930	0.0050 U	--	0.0050 U	109.0	0.0050 U	0.0050 U	0.0050 U	2.0	0.0050 U
9/11/18	0.0020 U	0.0020 U	0.4260	0.0020 U	--	0.0020 U	94.7	0.0028	0.0020 U	0.0020 U	0.1 U	0.0020 U
4/17/19	0.0010 U	0.0010 U	0.2140	0.0010 U	--	0.0010 U	48.2	0.0086	0.0010 U	0.0020	0.8	0.0010 U
8/2/19	0.0010 U	0.0010 U	0.3410	0.0010 U	--	0.0010 U	69.0	0.0010 U	0.0010 U	0.0010 U	0.1 U	0.0010 U
3/3/20	0.0010 U	0.0010 U	0.3370	0.0010 U	--	0.0010 U	74.2	0.0010 U	0.0010 U	0.0032	0.1	0.0010 U

Gude Landfill
Monitoring Location OB02A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/2/01	--	0.036	0.0001 U	0.0035	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0175
9/5/01	--	0.014	0.0002 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.022	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.103	0.0001 U	0.0083	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.035	0.0002 U	0.0052	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.022	0.0002 U	0.0040	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.033	0.0002 U	0.0049	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	0.037	0.0002	0.0059	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.031	0.0001 U	0.0064	--	0.0010 U	0.0018 U	--	0.0006 U	0.0839	0.0020 U	--
9/21/05	--	0.030	0.0013	0.0060	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/4/06	--	0.013	0.0002 U	0.0061	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	0.002 U	0.0002 U	0.0082	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0092	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0068
10/2/07	--	--	0.0002 U	0.0059	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0156
3/26/08	--	--	0.0002 U	0.0077	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0073	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	--	0.0002 U	0.0092	--	0.0009 U	0.0008 U	--	0.0006 U	0.0011 U	0.0006 U	0.0131
9/22/09	46.400	0.038	0.0002 U	0.0122	4.73	0.0020 U	0.0020 U	31.2	0.0020 U	--	0.0002 J	0.0100 U
7/28/10	--	--	0.0002 U	0.0099	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0120
9/14/10	52.300	0.045	0.0002 U	0.0120	4.69	0.0050 U	0.0050 U	35.0	0.0050 U	--	0.0050 U	0.0081
4/21/11	53.400	0.051	0.0002 U	0.0110	5.20	0.0050 U	0.0050 U	31.6 J	0.0050 U	--	0.0050 U	0.0082
9/6/11	59.100	0.047	0.0002 U	--	5.78	0.0050 U	0.0050 U	34.9	0.0050 U	--	0.0050 U	0.0078
3/7/12	53.100	0.045	0.0002 U	0.0138	4.82	0.0050 U	0.0050 U	37.5	0.0050 U	--	0.0050 U	0.0065

Gude Landfill
Monitoring Location OB02A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/10/12	10.600	0.718	0.0002 U	0.0135	3.56	0.0050 U	0.0050 U	10.9	0.0050 U	--	0.0050 U	0.0061
3/26/13	52.400	0.042	0.0002 U	0.0115	5.24	0.0050 U	0.0050 U	35.9	0.0050 U	--	0.0050 U	0.0070
9/17/13	66.700	0.055	0.0002 U	0.0131	5.51	0.0050 U	0.0050 U	39.8	0.0050 U	--	0.0050 U	0.0088
3/12/14	49.200	0.047	0.0002 U	0.0148	5.01	0.0050 U	0.0050 U	30.9	0.0050 U	--	0.0050 U	0.0076
9/8/14	54.300	0.050	0.0002 U	0.0125	4.95	0.0050 U	0.0050 U	36.8	0.0050 U	--	0.0050 U	0.0097
3/18/15	42.000	0.031	0.0002 U	0.0110 U	3.50	0.0350 U	0.0100 U	26.0	0.0020 U	--	0.0100 U	0.0130
8/31/15	64.000	0.043	0.0002 U	0.0100 U	5.90	0.0050 U	0.0010 U	46.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	59.600	0.054	0.0002 U	0.0111	4.46	0.0020 U	0.0020 U	41.2	0.0010 U	--	0.0020 U	0.0047
8/29/16	62.700	0.052	0.0002 U	0.0120	5.43	0.0020 U	0.0020 U	43.7	0.0010 U	--	0.0020	0.0050
3/6/17	67.300	0.053	0.0002 U	0.0168	5.53	0.0050 U	0.0050 U	47.3	0.0050 U	--	0.0052	0.0091
9/12/17	65.600	0.044	0.0002 U	0.0111	5.27	0.0020 U	0.0020 U	46.0	0.0010 U	--	0.0020 U	0.0052
3/27/18	65.700	0.047	0.0005	0.0145	5.80	0.0050 U	0.0050 U	48.1	0.0050 U	--	0.0050 U	0.0391
9/11/18	57.300	0.035	0.0002 U	0.0117	5.30	0.0020 U	0.0020 U	43.5	0.0010 U	--	0.0020 U	0.0046
4/17/19	31.800	0.044	0.0006	0.0108	3.09	0.0010 U	0.0010 U	28.0	0.0010 U	--	0.0014	0.0095
8/2/19	50.300	0.035	0.0001	0.0090	4.55	0.0010 U	0.0010 U	41.1	0.0010 U	--	0.0010 U	0.0040 U
3/3/20	50.200	0.038	0.0001	0.0084	4.44	0.0010 U	0.0010 U	40.1	0.0010 U	--	0.0010 U	0.0062

Gude Landfill

Printed 5/20/20

Monitoring Location OB02A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
4/2/01	--	--	--	--	0.13	--	--	--	--	--	--	--	10.0 U	--	--
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	4.01	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	1.84	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	4.14	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	5.40	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	5.99	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	1.24
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	1.77	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	1.24	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.10	0.37 U	0.35 U	1.08	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.50 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB02A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/2/01	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	--	--	--
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	2.76	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.36	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	3.50	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	5.15	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	2.80	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.30 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.86 J	--	1 U	--	1.00 U	1.00 U	1.00 U
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/2/01	--	--	--	--	--	--	--	--	--	--	1.22	--	--	0.22	--	--
9/5/01	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	67.24	0.19 U	0.17 U	1.02	--	0.26 U
3/12/02	0.18 U	1.00 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	40.15	0.19 U	1.00 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	143.07	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	162.61	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	1.0 U	0.23 U	0.21 U	--	189.59	0.19 U	0.17 U	1.00 U	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	66.86	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	48.26	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	19.58	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	43.45	0.29 U	0.27 U	1.00 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	6.90	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	5.96	0.29 U	0.27 U	0.20 U	--	0.23 U
3/26/08	0.19 U	0.12 U	0.09 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.56	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	6.87	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	9.19	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.50	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB02A - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/2/01	--	--	0.07	--	--	--	--	--	0.09	0.04	--	--	--	--	--
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.31	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
10/8/03	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	1.00 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	0.41 U	0.25 U	1.00 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/26/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/14/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/2/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB02A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/2/01	0.78	--	--	--	--	--	1.31	--	--	--	--
9/5/01	1.05	0.24 U	--	1.20	0.13 U	0.14 U	3.77	1.00 U	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	3.57	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	1.20	0.13 U	0.14 U	5.06	0.18 U	--	--	--
6/2/03	6.60	0.24 U	--	1.67	0.13 U	0.14 U	26.98	0.18 U	--	--	--
10/8/03	12.10	0.24 U	--	3.37	0.13 U	0.14 U	30.84	0.18 U	--	11.19	--
3/23/04	1.52	0.24 U	--	1.00 U	0.13 U	0.14 U	9.27	0.18 U	--	1.68	--
9/20/04	1.05	0.32 U	--	1.00 U	0.24 U	0.30 U	6.68	0.36 U	--	3.45	--
4/5/05	2.46	0.32 U	--	1.00 U	0.24 U	0.30 U	5.14	0.36 U	--	1.39	--
9/21/05	1.45	0.32 U	--	0.45 U	0.24 U	0.30 U	4.60	0.36 U	--	1.74	--
4/4/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.27	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.57	0.36 U	--	0.32 U	--
3/26/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.61	0.12 U	0	0.50 U	0.13 U	--	1.39	0.10 U	--	0.50 U	--
3/5/09	0.50 U	0.12 U	0	0.14 U	0.13 U	--	1.01	0.10 U	--	0.18 U	--
9/22/09	0.45 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/14/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--

Gude Landfill

Monitoring Location OB02A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/21/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/17/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/12/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/29/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/2/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB03 - General Parameters

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	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	66.5626	0.002	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	89.5385	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	74.9460	0.006	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	174.2270	0.002 U	--	--	--	--	--	--	--	--	0.050
10/8/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.085
3/23/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.029
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.062
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
9/21/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.060
4/4/06	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.046
9/25/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.065
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.050
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	265.0	2.39	13.6	134.0000	--	--	690.0	0.2000 U	--	--	--	--	--	--
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/14/10	242.0	2.90	10.1	155.0000	--	--	400.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/25/11	267.0	4.97	28.8	220.0000	--	--	3600.0	0.2000 U	0 U	0.05 U	--	--	--	--

Gude Landfill
Monitoring Location OB03 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
9/19/11	216.0	2.56	16.8	163.0000	--	--	410.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/8/12	187.0	3.48	24.3	222.0000	--	--	400.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	241.0	2.43	18.0	169.0000	--	--	360.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/28/13	221.0	2.70	17.8	192.0000	--	0	348.0	0.2000 U	0 U	0.05 U	256	5.93	--	--
9/23/13	233.0	2.29	13.2	157.0000	--	0	330.0	0.2000 U	0 U	0.05 U	239	5.84	--	--
3/12/14	212.0	3.45	15.6	201.0000	--	0	420.0	0.2000 U	--	--	211	5.73	--	--
9/8/14	227.0	3.15	19.7	194.0000	--	2	370.0	0.2000 U	0 U	0.05 U	229	6.01	--	--
3/18/15	213.0	2.77	18.3	202.0000	--	0	404.0	0.2000 U	0 U	0.05 U	254	5.81	--	--
8/31/15	243.0	2.39	21.2	183.0000	--	1	620.0	0.2000 U	0 U	0.05 U	181	5.78	--	--
3/23/16	210.0	2.04	19.3	201.0000	--	0	396.0	0.2000 U	0 U	0.05 U	195	6.09	--	--
8/29/16	248.0	1.95	17.3	189.0000	--	--	376.0	0.2000 U	0 U	0.05 U	187	5.60	--	--
3/6/17	250.0	0.70	29.1	525.0000	--	4	850.0	0.2000 U	0 U	0.05 U	193	5.81	--	--
9/12/17	293.0	1.21	13.9	182.0000	--	--	450.0	0.2000 U	0 U	0.05 U	231	5.86	--	--
3/27/18	280.0	1.43	25.5	195.0000	--	--	400.0	0.2000 U	0 U	0.05 U	32	5.85	--	--
9/11/18	231.0	1.68	75.0	218.0000	--	--	362.0	0.2000 U	0 U	0.05 U	-1	5.76	--	--
4/16/19	231.0	2.45	27.0	203.0000	--	0	--	0.2000 U	--	--	13	6.01	6.23	--
8/2/19	238.0	2.62	15.1	218.0000	--	0	--	0.2000 U	--	--	38	5.57	6.23	--
3/10/20	238.0	1.96	19.5	210.0000	--	0	--	0.2000 U	--	--	39	5.87	6.03	--

Gude Landfill
Monitoring Location OB03 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	4.2	--
9/4/01	--	--	--	--	--	--	--	--	50.5	--
3/12/02	--	--	--	--	--	--	--	--	136.0	--
6/2/03	--	--	--	--	--	--	0	--	248.0	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	8.8	--	--	564	--	--	11.0	--
7/30/10	--	--	--	3.4	--	--	--	--	--	--
9/14/10	--	--	16.7	--	--	676	--	--	22.9	--
4/25/11	--	--	41.4	--	--	784	--	--	2.8	--

Gude Landfill

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Monitoring Location OB03 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/19/11	--	--	22.0	--	--	804	--	--	--	--
3/8/12	--	--	28.5	--	--	888	--	--	--	--
9/17/12	--	--	13.1	--	--	604	--	--	--	--
3/28/13	1	--	18.6	--	15.6	572	--	--	--	0.0
9/23/13	887	--	16.8	--	16.3	568	--	--	--	0.0
3/12/14	1025	--	36.2	--	15.9	602	--	--	--	1.2
9/8/14	981	--	23.4	--	16.6	540	--	--	--	0.0
3/18/15	824	--	32.2	--	14.2	584	--	--	--	0.0
8/31/15	952	--	12.6	--	18.0	516	--	--	--	9.8
3/23/16	970	--	21.5	--	14.8	574	--	--	--	0.0
8/29/16	978	--	14.3	--	16.8	562	--	--	--	0.0
3/6/17	986	--	17.5	--	15.5	1070	--	--	--	0.3
9/12/17	979	--	11.8	--	17.3	601	--	--	--	0.6
3/27/18	1010	--	14.0	--	12.0	643	--	--	--	4.0
9/11/18	1081	--	25.3	--	16.7	612	--	--	--	0.0
4/16/19	1326	1050	50.5	--	13.7	656	--	4.9	13.2	4.0
8/2/19	1	1120	32.2	--	16.4	636	--	3.4	7.4	0.0
3/10/20	1130	1150	27.2	--	17.0	621	--	5.1	18.3	3.5

Gude Landfill
Monitoring Location OB03 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.710	0.005 U	0.005 U	74.8	0.01 U	0.06	0.005 U	28.8	0.005 U	45.4	18.100	0.0002 U
9/19/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.681	0.005 U	0.005 U	72.7	0.01 U	0.06	0.005	22.8	0.005 U	41.9	20.200	0.0002 U
9/17/12	0.005 U	0.005 U	0.589	0.005 U	0.005 U	65.0	0.01 U	0.07	0.005 U	21.3	0.005 U	38.4	18.300	0.0002 U
3/28/13	0.005 U	0.005 U	0.570	0.005 U	0.005 U	67.0	0.01 U	0.05	0.010	22.2	0.005 U	36.5	19.000	0.0002 U
9/23/13	0.005 U	0.005 U	0.581	0.005 U	0.005 U	69.5	0.01 U	0.06	0.005 U	22.3	0.005 U	41.4	19.500	0.0002 U
3/12/14	0.005 U	0.005 U	0.540	0.005 U	0.005 U	68.0	0.01 U	0.05	0.005 U	19.6	0.005 U	39.2	17.200	0.0002 U
9/8/14	0.005 U	0.005 U	0.548	0.005 U	0.005 U	65.2	0.01 U	0.05	0.005 U	18.9	0.005 U	38.4	20.100	0.0002 U
3/18/15	0.002 U	0.003	0.510	0.002 U	0.004 U	71.0	0.01 U	0.06	0.010 U	21.0	0.002 U	40.0	20.000	0.0002 U
8/31/15	0.001 U	0.003	0.490	0.001 U	0.001 U	74.0	0.03	0.06	0.054	21.0	0.001 U	41.0	19.000	0.0002 U
3/23/16	0.002 U	0.003	0.490	0.002 U	0.002 U	70.4	0.00	0.05	0.002 U	22.1	0.002 U	40.2	18.300	0.0002 U
8/29/16	0.002 U	0.003	0.487	0.002 U	0.002 U	70.3	0.00 U	0.05	0.002 U	21.3	0.002 U	42.2	18.000	0.0002 U
3/6/17	0.002 U	0.004	0.480	0.002 U	0.002 U	76.1	0.01	0.06	0.006	22.9	0.002 U	46.1	20.100	0.0002 U
9/12/17	0.002 U	0.003	0.447	0.002 U	0.002 U	76.4	0.00	0.05	0.002 U	23.7	0.002 U	46.9	19.900	0.0002 U
3/27/18	0.002 U	0.004	0.476	0.002 U	0.002 U	80.9	0.02	0.05	0.002 U	23.0	0.002 U	46.0	20.900	0.0002 U
9/11/18	0.002 U	0.004	0.430	0.002 U	0.002 U	75.0	0.01	0.05	0.002 U	22.1	0.002 U	41.5	18.300	0.0002 U

**Gude Landfill
Monitoring Location OB03 - Dissolved Metals**

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.02	8.8	0.005 U	0.01 U	71.7	0.005 U	0.01 U	0.013
9/19/11	0.02	--	--	--	--	--	--	--
3/8/12	0.02	8.2	0.005	0.01 U	57.7	0.005 U	0.01 U	0.015
9/17/12	0.02	6.7	0.006	0.01 U	36.7	0.005 U	0.01 U	0.017
3/28/13	0.02	8.3	0.005 U	0.01 U	45.5	0.005 U	0.01 U	0.014
9/23/13	0.02	6.0	0.005 U	0.01 U	37.8	0.005 U	0.01 U	0.017
3/12/14	0.02	8.2	0.005 U	0.01 U	55.1	0.005 U	0.01 U	0.013
9/8/14	0.02	7.2	0.005 U	0.01 U	47.6	0.005 U	0.01 U	0.017
3/18/15	0.02	7.2	0.035 U	0.01 U	48.0	0.001 J	0.01 U	0.013
8/31/15	0.11	7.5	0.005 U	0.00 U	42.0	0.001	0.01 U	0.013
3/23/16	0.01	6.2	0.003	0.00 U	42.4	0.001	0.00 U	0.009
8/29/16	0.01	6.1	0.003	0.00 U	39.0	0.001 U	0.00 U	0.013
3/6/17	0.02	5.8	0.005	0.00 U	39.2	0.001 U	0.00 U	0.014
9/12/17	0.01	5.1	0.002	0.00 U	36.8	0.001 U	0.00 U	0.009
3/27/18	0.02	5.4	0.005	0.00 U	35.7	0.001 U	0.00	0.014
9/11/18	0.01	6.0	0.005	0.00 U	45.1	0.001 U	0.00	0.009

Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.3766	0.0005 U	--	0.0006 U	--	0.0116	0.0444	0.0100 U	--	0.0013 U
9/4/01	0.0032	0.0054	0.8745	0.0017 U	--	0.0020 U	--	0.0020 U	0.0543	0.0108	--	0.0020 U
3/12/02	0.0020 U	0.0040	0.5552	0.0017 U	--	0.0020 U	--	0.0048	0.0545	0.0106	--	0.0021
6/2/03	0.0020 U	0.0087	1.2980	0.0004 U	--	0.0020 U	--	0.0020 U	0.0592	0.0120	--	0.0041
10/8/03	0.0009 U	0.0027	1.3910	0.0016 U	--	0.0020 U	--	0.0020	0.0318	0.0161	--	0.0029
3/23/04	0.0009 U	0.0085	1.3530	0.0016 U	--	0.0007 U	--	0.0024	0.0755	0.0100 U	--	0.0036
9/20/04	0.0028 U	0.0085	1.8960	0.0012 U	--	0.0020 U	--	0.0045	0.0614	0.0132	--	0.0020
4/5/05	0.0028 U	0.0232	1.6900	0.0012 U	--	0.0020 U	--	0.0044	0.0711	0.0145	--	0.0030
9/21/05	0.0028 U	0.0079	1.3490	0.0012 U	--	0.0020 U	--	0.0031	0.0655	0.0153	--	0.0027
4/4/06	0.0006 U	0.0066	1.1010	0.0007 U	--	0.0020 U	--	0.0020 U	0.0593	0.0093	--	0.0031
9/25/06	0.0007 U	0.0023	0.6512	0.0009 U	--	0.0020 U	--	0.0295	0.0555	0.0499	--	0.0200
4/17/07	0.0007 U	0.0023	0.7963	0.0009 U	0.080	--	--	0.0020 U	0.0674	0.0064	--	0.0007 U
10/3/07	0.0020 U	0.0046	0.9091	0.0009 U	0.053	--	--	0.0020 U	0.0581	0.0113	--	0.0020 U
3/25/08	0.0005 U	0.0040	0.7536	0.0010 U	0.036	--	--	0.0020 U	0.0556	0.0066	--	0.0020 U
9/23/08	0.0010 U	0.0040 U	0.5928	0.0020 U	0.054	--	--	0.0016 U	0.0530	0.0077	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.5995	0.0012 U	0.065	--	--	0.0100 U	0.0569	0.0100 U	--	0.0100 U
9/21/09	0.0020 U	0.0024	0.5880	0.0020 U	--	0.0020 U	59.9	0.0020 U	0.0643	0.0063	28.8	0.0020 U
7/30/10	0.0010 U	0.0034	0.5500	0.0010 U	--	0.0010 U	--	0.0021	0.0610	0.0040	--	0.0011
9/14/10	0.0050 U	0.0050 U	0.5920	0.0050 U	--	0.0050 U	62.3	0.0050 U	0.0659	0.0124	25.0	0.0050 U
4/25/11	0.0050 U	0.0050 U	0.7360	0.0050 U	--	0.0050 U	69.0	0.0050 U	0.0629	0.0076	23.6 U	0.0050 U
9/19/11	0.0050 U	0.0050 U	0.5800	0.0050 U	--	0.0050 U	65.3	0.0050 U	0.0554	0.0050 U	22.2	0.0050 U
3/8/12	0.0050 U	0.0050 U	0.6970	0.0050 U	--	0.0050 U	74.4	0.0050 U	0.0634	0.0082	23.7	0.0050 U
9/17/12	0.0050 U	0.0050 U	0.5710	0.0050 U	--	0.0050 U	64.3	0.0050 U	0.0670	0.0050 U	21.7	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
3/28/13	0.0050 U	0.0050 U	0.5730	0.0050 U	--	0.0050 U	67.4	0.0050 U	0.0531	0.0113	21.8	0.0050 U
9/23/13	0.0050 U	0.0050 U	0.5980	0.0050 U	--	0.0050 U	64.4	0.0050 U	0.0566	0.0050 U	20.6	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.5540	0.0050 U	--	0.0050 U	65.6	0.0050 U	0.0526	0.0050 U	19.0	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.5360	0.0050 U	--	0.0050 U	60.2	0.0050 U	0.0522	0.0050 U	17.6	0.0050 U
3/18/15	0.0020 U	0.0031	0.5200	0.0020 U	--	0.0040 U	70.0	0.0100 U	0.0560	0.0019 J	21.0	0.0020 U
8/31/15	0.0010 U	0.0028	0.4900	0.0010 U	--	0.0005 U	74.0	0.0350	0.0610	0.0050 U	21.0	0.0010 U
3/23/16	0.0020 U	0.0026	0.5000	0.0020 U	--	0.0020 U	69.6	0.0025	0.0484	0.0020 U	20.9	0.0020 U
8/29/16	0.0020 U	0.0025	0.4670	0.0020 U	--	0.0020 U	69.0	0.0020 U	0.0544	0.0020 U	22.4	0.0020 U
3/6/17	0.0020 U	0.0065	0.3120	0.0020 U	--	0.0020 U	176.0	0.0059	0.0020 U	0.0363	0.9	0.0020 U
9/12/17	0.0020 U	0.0027	0.4630	0.0020 U	--	0.0020 U	76.5	0.0033	0.0544	0.0020 U	23.7	0.0020 U
3/27/18	0.0020 U	0.0037	0.4790	0.0020 U	--	0.0020 U	81.2	0.0094	0.0525	0.0020 U	23.1	0.0020 U
9/11/18	0.0020 U	0.0045	0.4340	0.0020 U	--	0.0020 U	76.0	0.0116	0.0467	0.0020 U	22.2	0.0020 U
4/16/19	0.0010 U	0.0025	0.3410	0.0010 U	--	0.0010 U	61.3	0.0026	0.0364	0.0054	17.2	0.0010 U
8/2/19	0.0010 U	0.0022	0.4030	0.0010 U	--	0.0010 U	61.4	0.0019	0.0406	0.0010 U	18.0	0.0010 U
3/10/20	0.0010 U	0.0022	0.4540	0.0010 U	--	0.0010 U	70.4	0.0014	0.0480	0.0016	21.8	0.0010 U

Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	12.290	0.0001 U	0.0099	--	0.0018 U	0.0052 U	--	0.0020 U	0.2000 U	0.0020 U	--
9/4/01	--	16.250	0.0001 U	0.0133	--	0.0020 U	0.0044 U	--	0.0012	0.2000 U	0.0020 U	--
3/12/02	--	15.480	0.0001 U	0.0151	--	0.0020 U	0.0044 U	--	0.0011	0.2000 U	0.0020 U	--
6/2/03	--	15.970	0.0002 U	0.0166	--	0.0021	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	9.801	0.0002 U	0.0114	--	0.0020 U	0.0022 U	--	0.0010 U	0.0003 U	0.0039	--
3/23/04	--	18.170	0.0002 U	0.0183	--	0.0020 U	0.0022 U	--	0.0010 U	0.0020 U	0.0039	--
9/20/04	--	19.310	0.0001 U	0.0180	--	0.0048	0.0018 U	--	0.0012	0.0020 U	0.0059	--
4/5/05	--	20.578	0.0001 U	0.0194	--	0.0046	0.0018 U	--	0.0012	0.0050 U	0.0078	--
9/21/05	--	19.790	0.0003	0.0172	--	0.0035	0.0018 U	--	0.0012	0.0050 U	0.0032	--
4/4/06	--	20.774	0.0001 U	0.0171	--	0.0020 U	0.0004 U	--	0.0020 U	0.0050 U	0.0020 U	--
9/25/06	--	16.740	0.0002 U	0.0408	--	0.0008 U	0.0005 U	--	0.0020 U	0.0050 U	0.0219	--
4/17/07	--	--	0.0002 U	0.0190	--	0.0020 U	0.0005 U	--	0.0020 U	0.0500 U	0.0007 U	0.0126
10/3/07	--	--	0.0002 U	0.0175	--	0.0020 U	0.0005 U	--	0.0020 U	0.0020 U	0.0023	0.0253
3/25/08	--	--	0.0002 U	0.0168	--	0.0020 U	0.0008 U	--	0.0015	0.0500 U	0.0020 U	0.0208
9/23/08	--	--	0.0002 U	0.0142	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	--	0.0002 U	0.0162	--	0.0100 U	0.0043 U	--	0.0050 U	0.0011 U	0.0100 U	0.0336
9/21/09	33.200	18.500	0.0002 U	0.0183	10.20	0.0020 U	0.0020 U	35.9	0.0020 U	--	0.0005 J	0.0100 U
7/30/10	--	--	0.0002 U	0.0200	--	0.0010 U	0.0010 U	--	0.0016	0.0050 U	0.0050 U	0.0250
9/14/10	35.600	21.300	0.0002 U	0.0197	6.94	0.0050 U	0.0050 U	41.6	0.0050 U	--	0.0050 U	0.0165
4/25/11	47.100 J	18.500	0.0002 U	0.0176	10.10	0.0050 U	0.0050 U	74.2	0.0050 U	--	0.0050 U	0.0148
9/19/11	41.100	19.000	0.0002 U	--	7.00	0.0050 U	0.0050 U	44.2	0.0050 U	--	0.0050 U	0.0141
3/8/12	42.700	19.600	0.0003	0.0209	7.95	0.0055	0.0050 U	58.9	0.0050 U	--	0.0050 U	0.0175
9/17/12	37.000	18.800	0.0002 U	0.0229	6.77	0.0050 U	0.0050 U	35.7	0.0050 U	--	0.0050 U	0.0148

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB03 - Total Metals

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/28/13	35.200	19.500	0.0002 U	0.0170	9.31	0.0050 U	0.0050 U	43.8	0.0050 U	--	0.0050 U	0.0142
9/23/13	38.600	19.400	0.0005	0.0205	5.77	0.0050 U	0.0050 U	35.7	0.0050 U	--	0.0050 U	0.0154
3/12/14	37.400	17.300	0.0002 U	0.0176	8.52	0.0050 U	0.0050 U	53.8	0.0050 U	--	0.0050 U	0.0137
9/8/14	35.300	20.600	0.0002 U	0.0165	7.12	0.0050 U	0.0050 U	43.6	0.0050 U	--	0.0050 U	0.0166
3/18/15	40.000	19.000	0.0002 U	0.0110 U	7.00	0.0350 U	0.0100 U	47.0	0.0011 J	--	0.0100 U	0.0130
8/31/15	41.000	19.000	0.0002 U	0.0320	7.40	0.0050 U	0.0010 U	41.0	0.0013	--	0.0050 U	0.0150
3/23/16	40.700	26.800	0.0002 U	0.0126	5.72	0.0029	0.0020 U	42.9	0.0011	--	0.0020 U	0.0093
8/29/16	40.600	18.800	0.0002 U	0.0145	6.28	0.0027	0.0020 U	38.4	0.0011	--	0.0020 U	0.0105
3/6/17	91.500	3.130	0.0002 U	0.0177	6.97	0.0317	0.0020 U	69.4	0.0010 U	--	0.0045	0.0071
9/12/17	46.900	19.100	0.0002 U	0.0144	5.22	0.0025	0.0020 U	36.8	0.0010 U	--	0.0020 U	0.0095
3/27/18	46.400	20.900	0.0002 U	0.0166	5.33	0.0057	0.0020 U	36.2	0.0010 U	--	0.0028	0.0135
9/11/18	41.900	18.300	0.0002 U	0.0145	6.01	0.0049	0.0020 U	46.0	0.0010 U	--	0.0033	0.0093
4/16/19	42.800	16.800	0.0001 U	0.0124	7.07	0.0010 U	0.0010 U	62.0 B	0.0010 U	--	0.0010 U	0.0230
8/2/19	43.300	19.800	0.0001 U	0.0133	6.82	0.0010 U	0.0010 U	57.3	0.0010 U	--	0.0010 U	0.0079 B
3/10/20	50.300	21.300	0.0001 U	0.0147	8.73	0.0010 U	0.0010 U	56.3	0.0010 U	--	0.0010 U	0.0091

Gude Landfill

Printed 5/20/20

Monitoring Location OB03 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,1,2-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	38.54	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.25	7.80
9/4/01	0.18 U	0.15 U	0.23 U	3.77	49.88	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	2.73	9.57
3/12/02	0.18 U	0.15 U	0.23 U	4.07	58.99	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	3.49	12.62
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	27.30	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	6.32
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	25.91	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	1.64	6.70
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	27.74	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.45	7.91
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	33.30	1.00 U	0.35 U	9.83	0.40 U	1.14	0.33 U	0.28 U	10.0 U	2.33	10.73
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	29.03	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.89	10.53
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	42.38	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.03	11.53
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	36.78	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	2.58	9.40
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	21.95	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.87	13.74
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	34.70	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	2.95	9.67
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	44.70	1.00 U	0.35 U	2.90	0.40 U	1.00 U	1.07	0.28 U	10.0 U	5.32	15.23
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	47.23	0.63	0.26 U	0.23 U	0.14 U	0.63	0.24 U	0.16 U	1.8	4.98	14.47
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	36.07	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	1.3	4.09	12.33
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	48.38	0.72	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	4.81	16.14
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	45.00	0.86 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.8	1.00 U	15.80
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	50.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	2.0	4.00	13.00
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	36.40	0.71 J	2.00 U	6.42	2.00 U	0.52 J	1.52 J	2.00 U	1.9 J	3.84	10.10
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	4.10

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	6.00	11.00
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.2	1.00 U	6.80
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	34.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	12.80
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	34.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	3.68	10.50
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	37.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.6	2.61	15.30
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	18.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.87	5.49
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	29.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.3	3.74	8.57
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	24.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	2.69	6.90
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	31.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	4.29	9.63
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	29.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	3.54	8.41
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	28.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.7	3.82	8.28
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	24.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.0	3.67	7.23
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	22.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.0	3.50	7.06
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	21.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	3.38	6.16
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	16.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	2.17	4.52
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	9.10	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.20	2.70
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	15.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	2.00	4.10
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	14.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.2	1.60	3.60

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	8.60	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	8.08	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	9.03	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.17	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	11.54	0.11 U	1.69	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.50	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	16.14	0.11 U	4.67	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	6.58	0.27 U	0.20 U
9/20/04	1.00 U	0.33 U	10.24	0.23 U	0.29 U	1.00 U	0.19 U	1.00 U	--	0.39 U	--	--	--	5.28	1.00 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.40	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.29	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.01	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	1.00 U	--	--	--	3.34	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.47	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.53	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	11.86	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.99	0.31 U	0.34 U
10/3/07	1.00 U	0.33 U	10.11	0.23 U	1.00 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	6.12	1.00 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	4.62	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	3.20	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	5.53	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	13.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.14 J	--	1 U	--	4.56	1.00 U	1.00 U
7/30/10	--	1.00 U	15.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	6.00	--	1.00 U
9/14/10	2.00 U	2.00 U	11.30	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	4.24	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	8.10	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	5.50	--	1.00 U
3/8/12	--	--	9.70	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.90	--	1.00 U
9/17/12	1.00 U	1.00 U	16.60	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	12.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.44	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	18.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	5.38	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	8.08	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.32	1.00 U	--
9/8/14	1.00 U	1.00 U	12.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.18	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	8.84	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.62	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	14.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.27	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	13.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.25	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	16.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.25	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	18.60	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.93	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	19.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.40	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	14.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.31	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	10.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.63	1.00 U	1.00 U
4/16/19	--	1.00 U	5.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.90	--	5 U	1 U	1.20	--	1.00 U
8/2/19	--	1.00 U	9.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.90	--	1.00 U
3/10/20	--	1.00 U	11.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.50	--	1.00 U

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.86	1.7	0.23 U	0.21 U	--	53.86	0.19 U	0.17 U	36.16	--
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.12	3.3	0.23 U	0.21 U	--	66.93	0.19 U	0.17 U	35.34	--
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.36	2.2	0.23 U	0.21 U	--	88.85	0.19 U	1.00 U	42.35	--
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	6.95	1.9	0.23 U	0.21 U	--	48.32	0.19 U	0.17 U	12.43	--
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	6.31	2.0	0.23 U	0.21 U	--	46.23	0.19 U	0.17 U	15.59	--
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	6.25	2.4	0.23 U	1.00 U	--	47.05	0.19 U	0.17 U	0.20 U	--
9/20/04	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	4.42	1.1	0.27 U	1.00 U	--	67.11	0.29 U	0.27 U	29.43	--
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.22	1.9	0.27 U	0.25 U	--	56.21	0.29 U	0.27 U	29.07	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	3.24	1.7	0.27 U	0.25 U	--	98.51	0.29 U	0.27 U	49.11	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.92	1.5	0.27 U	0.25 U	--	71.67	0.29 U	0.27 U	13.29	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	3.98	1.5	0.27 U	0.25 U	--	128.85	0.29 U	0.27 U	27.03	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	5.59	1.6	0.27 U	0.25 U	--	87.59	0.29 U	0.27 U	13.15	--
10/3/07	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	3.89	0.3 U	0.27 U	1.00 U	--	148.91	0.29 U	0.27 U	31.24	--
3/25/08	0.19 U	0.12 U	0.53	--	0.13 U	2.32	1.2	0.21 U	0.50 U	--	161.47	0.13 U	0.15 U	22.67	--
9/23/08	0.11 U	0.16 U	0.50 U	--	0.14 U	2.04	1.2	0.12 U	0.20 U	--	120.90	0.12 U	0.13 U	15.40	--
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	2.76	1.6	0.12 U	0.50 U	--	164.77	0.12 U	0.13 U	27.45	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	2.98	1.6	1.00 U	1.00 U	--	156.00	1.00 U	1.00 U	28.00	--
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.0	1.00 U	1.00 U	--	160.00	1.00 U	1.00 U	15.00	--
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.26	1.5 J	2.00 U	2.00 U	--	117.00	2.00 U	2.00 U	74.80	--
4/25/11	1.00 U	1.00 U	1.00 U	3.90	1.00 U	5.70	1.0 U	1.00 U	5.30	--	38.00	1.00 U	1.00 U	--	--

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Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.0 U	1.00 U	1.70	--	1.00 U	1.00 U	1.00 U	--	--
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.10	1.0 U	1.00 U	1.00 U	--	71.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	94.90	1.00 U	1.00 U	12.40	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.04	1.2	1.00 U	1.00 U	--	97.10	1.00 U	1.00 U	8.27	--
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.43	1.0 U	1.00 U	1.00 U	--	126.00	1.00 U	1.00 U	12.10	--
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.80	1.0 U	1.00 U	1.00 U	--	54.70	1.00 U	1.00 U	2.79	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.79	1.0 U	1.00 U	1.00 U	--	86.00	1.00 U	1.00 U	9.69	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.35	1.0 U	1.00 U	1.00 U	--	74.00	1.00 U	1.00 U	4.14	--
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.95	1.1	1.00 U	1.00 U	--	88.50	1.00 U	1.00 U	5.94	--
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.82	1.1	1.00 U	1.00 U	--	87.80	1.00 U	1.00 U	3.56	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.97	1.5	1.00 U	1.00 U	--	81.60	1.00 U	1.00 U	4.05	--
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.34	2.2	1.00 U	1.00 U	--	77.20	1.00 U	1.00 U	3.37	--
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.39	1.8	1.00 U	1.00 U	--	68.00	1.00 U	1.00 U	1.90	--
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.86	2.4	1.00 U	1.00 U	--	67.30	1.00 U	1.00 U	1.16	--
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.48	1.3	1.00 U	1.00 U	--	50.20	1.00 U	1.00 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.0 U	1.00 U	1.00 U	1 U	30.60	1.00 U	1.00 U	--	5 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.0 U	1.00 U	1.00 U	1 U	47.50	1.00 U	1.00 U	--	5 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.0 U	1.00 U	1.00 U	1 U	49.10	1.00 U	1.00 U	--	5 U

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

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	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/27/01	0.26 U	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.22	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/12/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/2/03	0.26 U	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.21 U
10/8/03	1.00 U	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
3/23/04	0.26 U	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/20/04	1.00 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	1.00 U	1.00 U	1.43	1.38	1.00 U
4/5/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/3/07	1.00 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.13	1.00 U	1.00 U	1.36	1.26	1.00 U
3/25/08	0.50 U	--	0.56	1.33	--	--	5.00 U	0.15 U	0.12 U	0.22 U	0.21 U	0.79	0.22 U	0.22 U	0.20 U
9/23/08	0.12 U	--	0.50 U	0.23 U	--	--	5.57	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	0.50	0.23 U	--	--	5.00 U	0.20 U	0.17 U	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
9/21/09	1.00 U	--	0.35 J	2.00 U	1.00 U	--	2.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.24 J	1.00 U
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
9/14/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	1.71 J	2.00 U	2.00 U	1.16 J	2.00 U	2.00 U	1.47 J	0.70 J	2.00 U
4/25/11	1.00 U	--	--	--	1.00 U	--	2.60	1.00 U	1.00 U	--	--	--	--	--	1.00 U

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Monitoring Location OB03 - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
9/19/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/8/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
8/2/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.30	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/10/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.50	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

Gude Landfill Monitoring Location OB03 - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	27.78	1.00 U	--	4.60	0.13 U	1.00 U	67.32	5.06	--	--	--
9/4/01	0.21 U	61.57	0.24 U	--	5.02	0.13 U	0.14 U	71.90	3.83	--	--	--
3/12/02	0.21 U	90.52	1.18	--	5.66	0.13 U	0.14 U	90.07	6.87	--	--	--
6/2/03	0.21 U	6.99	1.00 U	--	2.67	0.13 U	0.14 U	47.33	2.38	--	--	--
10/8/03	0.21 U	0.17 U	1.00 U	--	4.19	0.13 U	1.00 U	48.01	2.31	--	12.44	--
3/23/04	0.21 U	1.65	1.00 U	--	4.84	0.13 U	0.14 U	53.13	0.18 U	--	--	--
9/20/04	1.00 U	26.04	0.32 U	--	4.97	0.24 U	0.30 U	80.53	0.36 U	--	16.08	--
4/5/05	0.18 U	3.06	0.32 U	--	4.09	0.24 U	1.00 U	110.03	3.30	--	17.86	--
9/21/05	0.18 U	23.14	1.00 U	--	6.27	0.24 U	0.30 U	92.22	0.36 U	--	19.76	--
4/4/06	0.18 U	1.85	1.00 U	--	5.19	0.24 U	0.30 U	71.55	3.18	--	11.67	--
9/25/06	0.18 U	22.97	1.00 U	--	11.59	0.24 U	0.30 U	112.28	4.34	--	30.39	--
4/17/07	0.18 U	1.00 U	1.00 U	--	7.00	0.24 U	0.30 U	76.03	0.36 U	--	19.65	--
10/3/07	1.00 U	27.73	1.00 U	--	12.95	0.24 U	0.30 U	108.24	0.36 U	--	31.39	--
3/25/08	0.23 U	0.20 U	2.46	0	8.87	0.08 U	--	132.60	0.07 U	--	23.16	--
9/23/08	0.13 U	0.16 U	0.50 U	0	12.43	0.13 U	--	107.44	0.10 U	--	17.61	--
3/9/09	0.13 U	4.49	0.67	0	11.02	0.13 U	--	130.79	0.10 U	--	29.48	--
9/21/09	1.00 U	0.61 J	1.49	--	9.59	1.00 U	1.00 U	131.00	4.88	--	30.50	--
7/30/10	--	28.00	1.00 U	--	9.00	1.00 U	5.00 U	92.00	1.00 U	1 U	23.00	--
9/14/10	2.00 U	11.00	2.00 U	--	7.01	2.00 U	2.00 U	81.60	2.00 U	2 U	28.00	--
4/25/11	--	1.00 U	1.00 U	--	6.30	1.00 U	5.00 U	21.00	1.00 U	1 U	11.00	1 U

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 5/20/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/19/11	--	6.20	1.00 U	--	14.00	1.00 U	5.00 U	82.00	8.30	1 U	41.00	1 U
3/8/12	--	1.00 U	1.00 U	--	4.80	1.00 U	5.00 U	47.00	1.00 U	1 U	14.00	1 U
9/17/12	1.00 U	1.00 U	1.00 U	--	7.24	1.00 U	5.00 U	75.60	1.00 U	5 U	17.50	--
3/28/13	1.00 U	2.39	1.00 U	--	6.92	1.00 U	5.00 U	57.90	1.00 U	5 U	17.40	--
9/23/13	1.00 U	1.00 U	1.00 U	--	3.98	1.00 U	5.00 U	87.40	1.00 U	5 U	16.80	--
3/12/14	1.00 U	1.00 U	1.00 U	--	3.72	1.00 U	5.00 U	24.20	1.00 U	5 U	8.89	--
9/8/14	1.00 U	3.19	1.00 U	--	6.61	1.00 U	5.00 U	45.40	1.00 U	5 U	18.20	--
3/18/15	1.00 U	1.00 U	1.00 U	--	4.59	1.00 U	5.00 U	21.90	1.00 U	5 U	11.10	--
8/31/15	1.00 U	1.00 U	1.00 U	--	6.41	1.00 U	5.00 U	35.20	1.45	5 U	12.80	--
3/23/16	1.00 U	1.00 U	1.00 U	--	6.00	1.00 U	5.00 U	14.60	1.77	5 U	13.20	--
8/29/16	1.00 U	1.00 U	1.00 U	--	6.09	1.00 U	5.00 U	21.00	2.09	5 U	12.20	--
3/6/17	1.00 U	1.00 U	1.00 U	--	5.82	1.00 U	5.00 U	10.60	1.00 U	5 U	11.10	--
9/12/17	1.00 U	1.00 U	1.00 U	--	5.24	1.00 U	5.00 U	7.00	1.00 U	5 U	8.77	--
3/27/18	1.00 U	1.00 U	1.00 U	--	4.79	1.00 U	5.00 U	2.32	1.00 U	5 U	8.71	--
9/11/18	1.00 U	1.00 U	1.00 U	--	3.81	1.00 U	5.00 U	1.82	1.11	5 U	9.32	--
4/16/19	--	1.00 U	1.00 U	--	2.20	1.00 U	1.00 U	1.90	1.00 U	1 U	5.80	--
8/2/19	--	1.00 U	1.00 U	--	3.50	1.00 U	1.00 U	4.00	1.00 U	1 U	8.70	--
3/10/20	--	1.00 U	1.00 U	--	3.80	1.00 U	1.00 U	3.10	1.00 U	1 U	8.20	--

Gude Landfill
Monitoring Location OB03A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	93.6454	0.001	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	83.8251	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	72.7596	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	71.0865	0.005	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	290.5040	0.006	--	--	--	--	--	--	--	--	0.170
10/8/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.090
3/23/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.193
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.034
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.101
9/21/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.085
9/25/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.022
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.120
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	317.0	6.47	19.1	194.0000	--	--	700.0	0.2000 U	--	--	--	--	--	--
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/14/10	270.0	4.35	12.1	176.0000	--	--	360.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/26/11	340.0	7.91	35.0	239.0000	--	--	580.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/19/11	226.0	5.09	22.5	193.0000	--	--	375.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/8/12	266.0	6.15	31.1	245.0000	--	--	420.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	268.0	4.51	19.5	185.0000	--	--	350.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/28/13	338.0	6.67	52.1	229.0000	--	0	400.0	0.2000 U	0 U	0.05 U	166	6.29	--	--
9/23/13	260.0	4.18	17.5	177.0000	--	0	360.0	0.2000 U	0 U	0.05 U	209	5.34	--	--
3/12/14	278.0	6.76	19.0	217.0000	--	0	560.0	0.2000 U	--	--	170	6.03	--	--
9/8/14	257.0	4.96	21.1	213.0000	--	1	190.0	0.2000 U	0 U	0.05 U	142	6.16	--	--
3/18/15	292.0	4.64	18.4	180.0000	--	0	440.0	1.4900	2	0.05 U	206	7.10	--	--
8/31/15	286.0	3.65	24.4	182.0000	--	--	540.0	0.5590	1	0.05 U	116	6.18	--	--
3/23/16	299.0	5.97	23.4	200.0000	--	0	392.0	0.2000 U	0 U	0.05 U	115	6.29	--	--
8/29/16	293.0	3.95	18.0	186.0000	--	--	384.0	0.2000 U	0 U	0.05 U	147	6.19	--	--
3/6/17	33.0	0.31	17.7	539.0000	--	--	750.0	0.2000 U	0 U	0.05 U	189	5.93	--	--
9/12/17	270.0	2.70	12.1	178.0000	--	0	450.0	0.2000 U	0 U	0.05 U	186	5.98	--	--
3/27/18	339.0	5.62	27.9	193.0000	--	--	500.0	0.2000 U	0 U	0.05 U	-1	6.25	--	--
9/11/18	357.0	5.64	20.8	165.0000	--	--	434.0	0.2000 U	0 U	0.05 U	-29	6.30	--	--
4/16/19	357.0	3.47	31.0	166.0000	--	0	--	0.2000 U	--	--	-33	6.34	6.50	--
8/2/19	307.0	3.75	14.9	195.0000	--	0	--	0.2000 U	--	--	-28	5.80	6.38	--
3/11/20	435.0	2.41	16.8	109.0000	--	4	--	2.3100	--	--	1	6.78	6.60	--

Gude Landfill
Monitoring Location OB03A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	98.0	--
9/4/01	--	--	--	--	--	--	--	--	245.0	--
3/12/02	--	--	--	--	--	--	--	--	66.0	--
9/16/02	--	--	--	--	--	--	--	--	9.3	--
6/2/03	--	--	--	--	--	--	0	--	463.0	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	33.5	--	--	780	--	--	39.4	--
7/30/10	--	--	--	3.0 U	--	--	--	--	--	--
9/14/10	--	--	26.9	--	--	704	--	--	13.3	--

**Gude Landfill
Monitoring Location OB03A - General Parameters**

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/26/11	--	--	58.4	--	--	980	--	--	13.6	--
9/19/11	--	--	31.5	--	--	888	--	--	--	--
3/8/12	--	--	41.8	--	--	952	--	--	--	--
9/17/12	--	--	21.2	--	--	632	--	--	--	--
3/28/13	2	--	36.0	--	15.8	796	--	--	--	1.8
9/23/13	998	--	29.7	--	17.4	578	--	--	--	3.8
3/12/14	1220	--	59.7	--	17.1	724	--	--	--	2.9
9/8/14	1117	--	34.3	--	18.0	560	--	--	--	6.2
3/18/15	1021	--	92.4	--	16.2	706	--	--	--	10.0
8/31/15	1112	--	29.7	--	23.7	590	--	--	--	62.7
3/23/16	1152	--	72.3	--	16.2	321	--	--	--	14.2
8/29/16	1184	--	45.2	--	30.2	650	--	--	--	98.5
3/6/17	1008	--	11.5	--	16.5	454	--	--	--	7.3
9/12/17	1124	--	23.7	--	17.6	621	--	--	--	5.0
3/27/18	1210	--	74.1	--	13.2	711	--	--	--	5.8
9/11/18	1327	--	117.0	--	17.9	785	--	--	--	65.1
4/16/19	1574	1240	121.0	--	16.5	794	--	8.8	31.5	8.1
8/2/19	1	1220	67.0	--	17.6	698	--	5.7	20.6	71.1
3/11/20	1255	1310	114.0	--	15.7	795	--	11.1	39.0	14.0

Gude Landfill
Monitoring Location OB03A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.501	0.005 U	0.005 U	93.1	0.01 U	0.05	0.005 U	37.0	0.005 U	68.2	9.850	0.0002 U
9/19/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.512	0.005 U	0.005 U	76.5	0.01 U	0.06	0.006	29.8	0.005 U	53.5	13.200	0.0002 U
9/17/12	0.005 U	0.005 U	0.485	0.005 U	0.005 U	65.2	0.01 U	0.07	0.005 U	27.0	0.005 U	41.9	16.000	0.0002 U
3/28/13	0.005 U	0.005	0.450	0.005 U	0.005 U	69.0	0.01 U	0.05	0.011	28.7	0.005 U	49.1	10.400	0.0002 U
9/23/13	0.005 U	0.005 U	0.528	0.005 U	0.005 U	63.2	0.01 U	0.06	0.005	24.2	0.005 U	40.7	15.800	0.0002 U
3/12/14	0.005 U	0.005 U	0.356	0.005 U	0.005 U	66.3	0.01 U	0.05	0.005 U	21.9	0.005 U	47.5	8.450	0.0002 U
9/8/14	0.005 U	0.005 U	0.420	0.005 U	0.005 U	65.2	0.01 U	0.05	0.005 U	22.8	0.005 U	41.7	15.000	0.0002 U
3/18/15	0.002 U	0.002	0.250	0.002 U	0.004 U	77.0	0.01 U	0.04	0.001 J	12.0	0.002 U	45.0	6.600	0.0002 U
8/31/15	0.001 U	0.001	0.300	0.001 U	0.001 U	82.0	0.01 U	0.04	0.005 U	16.0	0.001 U	44.0	15.000	0.0002 U
3/23/16	0.002 U	0.004	0.211	0.002 U	0.002 U	69.5	0.00	0.03	0.002 U	19.3	0.002 U	49.4	6.800	0.0002 U
8/29/16	0.002 U	0.003	0.265	0.002 U	0.002 U	70.9	0.00 U	0.04	0.002 U	18.1	0.002 U	45.4	11.900	0.0002 U
3/6/17	0.002 U	0.005	0.380	0.002 U	0.002 U	71.1	0.01	0.05	0.011	26.0	0.002 U	43.8	16.900	0.0002 U
9/12/17	0.002 U	0.004	0.381	0.002 U	0.002 U	72.6	0.00	0.05	0.002 U	25.0	0.002 U	44.7	16.200	0.0002 U
3/27/18	0.002 U	0.007	0.218	0.002 U	0.002 U	75.5	0.01	0.03	0.002 U	24.8	0.002 U	51.6	8.170	0.0002 U
9/11/18	0.002 U	0.006	0.136	0.002 U	0.002 U	83.1	0.01	0.02	0.002 U	16.0	0.002 U	56.3	3.660	0.0002 U

Gude Landfill

Monitoring Location OB03A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.02	17.5	0.005 U	0.01 U	126.0	0.005 U	0.01 U	0.007
9/19/11	0.02	--	--	--	--	--	--	--
3/8/12	0.02	12.2	0.005	0.01 U	92.7	0.005 U	0.01 U	0.009
9/17/12	0.02	9.3	0.006	0.01 U	53.4	0.005 U	0.01 U	0.012
3/28/13	0.01	16.6	0.005 U	0.01 U	93.4	0.005 U	0.01 U	0.006
9/23/13	0.02	8.2	0.005 U	0.01 U	52.6	0.005 U	0.01 U	0.012
3/12/14	0.02	13.8	0.005 U	0.01 U	88.6	0.005 U	0.01 U	0.007
9/8/14	0.01	9.9	0.005 U	0.01 U	67.8	0.005 U	0.01 U	0.013
3/18/15	0.02	15.0	0.035 U	0.01 U	96.0	0.001 J	0.01 U	0.006 J
8/31/15	0.01 U	12.0	0.005 U	0.00 U	69.0	0.001 U	0.01 U	0.009
3/23/16	0.01	12.4	0.003	0.00 U	89.0	0.001 U	0.00 U	0.003
8/29/16	0.01	10.5	0.003	0.00 U	66.4	0.001 U	0.00 U	0.006
3/6/17	0.02	8.4	0.004	0.00 U	54.5	0.001 U	0.00 U	0.009
9/12/17	0.01	7.0	0.002	0.00 U	50.1	0.001 U	0.00 U	0.007
3/27/18	0.01	13.6	0.004	0.00 U	86.9	0.001 U	0.00	0.005
9/11/18	0.01	16.0	0.003	0.00 U	96.4	0.001 U	0.00	0.003

Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0092	0.0020 U	0.6058	0.0005 U	--	0.0006 U	--	0.0170	0.0386	0.0100 U	--	0.0013 U
9/4/01	0.0027	0.0073	0.5934	0.0017 U	--	0.0046	--	0.0050	0.0790	0.0135	--	0.0059
3/12/02	0.0005 U	0.0035	0.4795	0.0017 U	--	0.0020 U	--	0.0012 U	0.0827	0.0099	--	0.0020 U
9/16/02	0.0007 U	0.0042	0.4366	0.0004 U	--	0.0020 U	--	0.0020 U	0.0673	0.0090	--	0.0020 U
6/2/03	0.0007 U	0.0046	0.6983	0.0004 U	--	0.0004 U	--	0.0020 U	0.0834	0.0186	--	0.0020 U
10/8/03	0.0009 U	0.0047	0.8541	0.0016 U	--	0.0007 U	--	0.0020 U	0.0665	0.0142	--	0.0020 U
3/23/04	0.0009 U	0.0040	0.6897	0.0016 U	--	0.0007 U	--	0.0020 U	0.0744	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0027	0.6416	0.0012 U	--	0.0020 U	--	0.0020 U	0.0612	0.0100 U	--	0.0020 U
4/5/05	0.0028 U	0.0036	0.4988	0.0012 U	--	0.0020 U	--	0.0020 U	0.0820	0.0100 U	--	0.0020 U
9/21/05	0.0028 U	0.0034	0.5700	0.0012 U	--	0.0031	--	0.0020 U	0.0654	0.0141	--	0.0020 U
4/4/06	0.0006 U	0.0021	0.4668	0.0007 U	--	0.0022	--	0.0020 U	0.0584	0.0089	--	0.0026
9/25/06	0.0007 U	0.0033	0.6407	0.0009 U	--	0.0006 U	--	0.0007 U	0.0658	0.0054	--	0.0007 U
4/17/07	0.0007 U	0.0046	0.9942	0.0009 U	0.428	--	--	0.0007 U	0.0840	0.0101	--	0.0007 U
10/3/07	0.0020 U	0.0080	0.6580	0.0020 U	0.043	--	--	0.0020 U	0.0608	0.0079	--	0.0020 U
3/25/08	0.0005 U	0.0032	0.5139	0.0010 U	0.033	--	--	0.0020 U	0.0609	0.0056	--	0.0010 U
9/23/08	0.0010 U	0.0106	0.5699	0.0020 U	0.074	--	--	0.0016 U	0.0617	0.0083	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.5930	0.0012 U	0.111	--	--	0.0100 U	0.0630	0.0100 U	--	0.0007 U
9/21/09	0.0020 U	0.0036	0.5680	0.0020 U	--	0.0020 U	69.4	0.0020 U	0.0698	0.0064	39.4	0.0020 U
7/30/10	0.0010 U	0.0048	0.5600	0.0010 U	--	0.0010 U	--	0.0010 U	0.0690	0.0010 U	--	0.0010 U
9/14/10	0.0050 U	0.0050 U	0.5810	0.0050 U	--	0.0050 U	66.0	0.0050 U	0.0684	0.0080	31.0	0.0050 U
4/26/11	0.0050 U	0.0050 U	0.0796	0.0050 U	--	0.0050 U	24.8 J	0.0050 U	0.0050 U	0.0108	2.7	0.0050 U
9/19/11	0.0050 U	0.0050 U	0.5290	0.0050 U	--	0.0050 U	68.5	0.0050 U	0.0563	0.0050 U	29.7	0.0050 U
3/8/12	0.0050 U	0.0050 U	0.5100	0.0050 U	--	0.0050 U	76.0	0.0050 U	0.0570	0.0096	29.9	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/17/12	0.0050 U	0.0050 U	0.4950	0.0050 U	--	0.0050 U	62.3	0.0050 U	0.0672	0.0050 U	26.5	0.0050 U
3/28/13	0.0050 U	0.0050 U	0.4350	0.0050 U	--	0.0050 U	70.9	0.0050 U	0.0441	0.0110	29.6	0.0050 U
9/23/13	0.0050 U	0.0050 U	0.5430	0.0050 U	--	0.0050 U	67.2	0.0050 U	0.0561	0.0050 U	25.6	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.3760	0.0050 U	--	0.0050 U	62.8	0.0050 U	0.0470	0.0050 U	20.7	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.4190	0.0050 U	--	0.0050 U	58.6	0.0050 U	0.0496	0.0050 U	20.6	0.0050 U
3/18/15	0.0020 U	0.0035	0.2500	0.0020 U	--	0.0040 U	78.0	0.0100 U	0.0340	0.0013 J	13.0	0.0020 U
8/31/15	0.0010 U	0.0026	0.3200	0.0011	--	0.0005 U	80.0	0.0050 U	0.0440	0.0050 U	23.0	0.0010 U
3/23/16	0.0050 U	0.0050 U	0.2350	0.0050 U	--	0.0050 U	76.5	0.0050 U	0.0331	0.0050 U	21.4	0.0050 U
8/29/16	0.0020 U	0.0065	0.3060	0.0020 U	--	0.0020 U	70.1	0.0020 U	0.0402	0.0027	35.6	0.0020 U
3/6/17	0.0050 U	0.0055	0.3840	0.0050 U	--	0.0050 U	72.9	0.0050 U	0.0561	0.0125	28.0	0.0050 U
9/12/17	0.0020 U	0.0041	0.3850	0.0020 U	--	0.0020 U	73.3	0.0049	0.0498	0.0020 U	25.7	0.0020 U
3/27/18	0.0050 U	0.0055	0.2200	0.0050 U	--	0.0050 U	82.0	0.0050 U	0.0295	0.0050 U	23.3	0.0050 U
9/11/18	0.0050 U	0.0058	0.1640	0.0050 U	--	0.0050 U	82.1	0.0050 U	0.0261	0.0050 U	20.8	0.0050 U
4/16/19	0.0010 U	0.0033	0.1810	0.0010 U	--	0.0010 U	81.2	0.0010 U	0.0269	0.0010 U	18.1	0.0010 U
8/2/19	0.0010 U	0.0034	0.2740	0.0010 U	--	0.0010 U	70.4	0.0013	0.0392	0.0010 U	22.1	0.0010 U
3/11/20	0.0010 U	0.0023	0.1450	0.0010 U	--	0.0010 U	98.7	0.0012	0.0202	0.0012	10.5	0.0010 U

Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	12.150	0.0001 U	0.0106	--	0.0018 U	0.0052 U	--	0.0020 U	0.2000 U	0.0006 U	--
9/4/01	--	15.840	0.0001 U	0.0281	--	0.0020 U	0.0044 U	--	0.0021	0.2000 U	0.0039	--
3/12/02	--	16.800	0.0001 U	0.0283	--	0.0009 U	0.0044 U	--	0.0043	0.2000 U	0.0007 U	--
9/16/02	--	18.790	0.0001 U	0.0190	--	0.0020	0.0096 U	--	0.0019	0.0020 U	0.0020 U	--
6/2/03	--	3.107	0.0002 U	0.0173	--	0.0040	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	5.824	0.0002 U	0.0198	--	0.0021	0.0022 U	--	0.0010 U	0.0003 U	0.0051	--
3/23/04	--	2.812	0.0002 U	0.0167	--	0.0020 U	0.0022 U	--	0.0004 U	0.0020 U	0.0033	--
9/20/04	--	17.890	0.0001 U	0.0163	--	0.0020 U	0.0018 U	--	0.0013	0.0003 U	0.0020 U	--
4/5/05	--	2.928	0.0001 U	0.0121	--	0.0029	0.0018 U	--	0.0010 U	0.0050 U	0.0021	--
9/21/05	--	17.880	0.0001 U	0.0178	--	0.0020 U	0.0018 U	--	0.0012	0.0050 U	0.0022	--
4/4/06	--	14.271	0.0001 U	0.0132	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/25/06	--	15.080	0.0002 U	0.0164	--	0.0008 U	0.0005 U	--	0.0020 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0219	--	0.0030	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0064
10/3/07	--	--	0.0002 U	0.0166	--	0.0020 U	0.0005 U	--	0.0020 U	0.0020 U	0.0113	0.0170
3/25/08	--	--	0.0002 U	0.0164	--	0.0020 U	0.0008 U	--	0.0010	0.0500 U	0.0021	0.0134
9/23/08	--	--	0.0002 U	0.0166	--	0.0018 U	0.0016 U	--	0.0012 U	0.0020 U	0.0040 U	0.0272
3/9/09	--	--	0.0002 U	0.0160	--	0.0100 U	0.0043 U	--	0.0050 U	0.0011 U	0.0008 U	0.0182
9/21/09	44.400	13.300	0.0002 U	0.0200	12.40	0.0024	0.0020 U	70.3	0.0020 U	--	0.0004 J	0.0110
7/30/10	--	--	0.0002 U	0.0200	--	0.0010 U	0.0010 U	--	0.0011	0.0050 U	0.0050 U	0.0230
9/14/10	41.600	16.400	0.0002 U	0.0194	9.18	0.0050 U	0.0050 U	58.5	0.0050 U	--	0.0050 U	0.0131
4/26/11	15.800	0.982	0.0002 U	0.0050 U	4.68	0.0050 U	0.0050 U	14.4	0.0050 U	--	0.0050 U	0.0147
9/19/11	48.700	14.200	0.0002 U	--	9.64	0.0050 U	0.0050 U	70.5	0.0050 U	--	0.0050 U	0.0089
3/8/12	52.700	13.700	0.0002 U	0.0177	13.10	0.0059	0.0050 U	91.0	0.0050 U	--	0.0050 U	0.0142

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/17/12	39.300	15.400	0.0002 U	0.0216	9.64	0.0050 U	0.0050 U	52.2	0.0050 U	--	0.0050 U	0.0099
3/28/13	51.400	11.200	0.0002 U	0.0145	16.60	0.0050 U	0.0050 U	97.8	0.0050 U	--	0.0050 U	0.0064
9/23/13	43.000	16.000	0.0002 U	0.0189	8.17	0.0050 U	0.0050 U	55.7	0.0050 U	--	0.0050 U	0.0117
3/12/14	44.400	8.710	0.0002 U	0.0162	15.00	0.0050 U	0.0050 U	83.7	0.0050 U	--	0.0050 U	0.0074
9/8/14	37.600	15.000	0.0002 U	0.0150	10.00	0.0050 U	0.0050 U	60.1	0.0050 U	--	0.0050 U	0.0129
3/18/15	46.000	6.600	0.0002 U	0.0110 U	15.00	0.0350 U	0.0100 U	96.0	0.0019 J	--	0.0100 U	0.0053 J
8/31/15	44.000	14.000	0.0002 U	0.0100 U	11.00	0.0050 U	0.0010 U	61.0	0.0010 U	--	0.0050 U	0.0120
3/23/16	58.400	6.370	0.0002 U	0.0107	12.10	0.0050 U	0.0050 U	109.0	0.0050 U	--	0.0050 U	0.0064
8/29/16	43.600	12.300	0.0002 U	0.0110	10.70	0.0024	0.0020 U	63.1	0.0010 U	--	0.0020 U	0.0064
3/6/17	44.100	16.600	0.0002 U	0.0175	8.34	0.0050 U	0.0050 U	53.4	0.0050 U	--	0.0050 U	0.0114
9/12/17	44.700	16.900	0.0002 U	0.0129	7.07	0.0024	0.0020 U	49.3	0.0010 U	--	0.0020 U	0.0072
3/27/18	54.300	7.520	0.0002 U	0.0117	12.80	0.0050 U	0.0050 U	92.1	0.0050 U	--	0.0050 U	0.0273
9/11/18	55.600	4.440	0.0002 U	0.0096	15.90	0.0050 U	0.0050 U	95.3	0.0050 U	--	0.0050 U	0.0050 U
4/16/19	59.100	8.650	0.0001 U	0.0091	13.50	0.0010 U	0.0027	76.8 B	0.0010 U	--	0.0010 U	0.0040 U
8/2/19	51.200	14.100	0.0001 U	0.0118	10.30	0.0010 U	0.0010 U	73.3	0.0010 U	--	0.0010 U	0.0050 B
3/11/20	64.200	6.080	0.0001 U	0.0066	16.90	0.0010 U	0.0010 U	71.0	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB03A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	37.69	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.11	7.53
9/4/01	0.18 U	0.15 U	0.23 U	4.20	53.49	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	2.93	10.02
3/12/02	0.18 U	0.15 U	0.23 U	4.38	74.57	1.22	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	4.55	16.50
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	93.16	1.11	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	4.87	15.18
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	1.67	0.15 U	0.22 U	1.00 U	0.21 U	1.00 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	4.44	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	1.00 U	1.27
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	2.25	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	38.51	1.00 U	0.35 U	1.48	0.40 U	1.00 U	0.33 U	0.28 U	2.0	2.77	12.68
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	2.73	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	42.13	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.30	12.09
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	18.85	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.82	7.02
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	23.61	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.59	12.72
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	15.56	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.33	4.05
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	44.14	1.00 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	5.52	14.78
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	50.90	0.61	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	2.0	5.07	14.83
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	41.01	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	1.7	4.40	13.07
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	46.99	0.66	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	4.10	13.54
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	25.30	0.53 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.3	1.00 U	9.10
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	38.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0	3.00	10.00
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	32.40	0.57 J	2.00 U	1.34 J	2.00 U	2.00 U	2.00 U	2.00 U	0.8 J	3.30	10.80

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB03A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	3.70	8.10
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	11.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	2.90
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	30.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	10.50
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	12.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.47	3.67
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	32.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.76	12.80
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	7.46	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.25
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	21.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.66	6.24
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	3.77	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	19.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.37	5.64
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	7.19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.00
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.10	4.64
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	26.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.9	3.42	7.79
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.7	3.04	6.66
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	6.99	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.15	1.96
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.46	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	4.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	12.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.80	3.20
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Monitoring Location OB03A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.26	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	9.53	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	11.29	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	8.07	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.51	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	11.00	0.11 U	0.61	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.30	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	4.20	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	6.76	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	14.11	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	6.31	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	4.44	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.66	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.73	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	5.18	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	11.36	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.80	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.73	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	6.23	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	4.47	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	5.44	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	4.08	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	12.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.46 J	--	1 U	--	4.19	1.00 U	1.00 U
7/30/10	--	1.00 U	12.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	5.00	--	1.00 U
9/14/10	2.00 U	2.00 U	9.28	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	4.06	2.00 U	2.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB03A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.70	--	1.00 U
3/8/12	--	--	6.30	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.30	--	1.00 U
9/17/12	1.00 U	1.00 U	14.10	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	5.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.51	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	16.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.53	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	3.82	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	9.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.33	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	2.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	8.08	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.32	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	4.08	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	5.43	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.44	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	18.10	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.63	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	16.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.11	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	4.97	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.44	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	2.90	1.00 U	5.00 U	--	5.00 U	--	5 U	7.80	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	8.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.70	--	1.00 U
3/11/20	--	1.00 U	1.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.32	1.9	0.23 U	0.21 U	--	56.08	0.19 U	0.17 U	29.79	--
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.03	3.1	0.23 U	0.21 U	--	70.88	0.19 U	0.17 U	40.57	--
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.29	2.9	0.23 U	0.21 U	--	137.87	0.19 U	0.17 U	58.64	--
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	2.5	0.23 U	1.00 U	--	130.79	0.19 U	0.17 U	51.60	--
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	10.50	1.0 U	0.23 U	0.21 U	--	2.57	0.19 U	0.17 U	1.00 U	--
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	18.41	1.6	0.23 U	0.21 U	--	2.63	0.19 U	0.17 U	1.13	--
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	10.75	1.0	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.71	1.3	0.27 U	0.25 U	--	79.29	0.29 U	0.27 U	37.43	--
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	19.21	1.0	0.27 U	0.25 U	--	3.01	0.29 U	0.27 U	11.29	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	3.60	1.4	0.27 U	0.25 U	--	102.56	0.29 U	0.27 U	50.85	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	10.33	1.0 U	0.27 U	0.25 U	--	41.96	0.29 U	0.27 U	8.31	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	5.24	1.5	0.27 U	0.25 U	--	117.86	0.29 U	0.27 U	24.23	--
4/17/07	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	13.90	1.4	0.27 U	0.25 U	--	29.76	0.29 U	0.27 U	4.09	--
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	2.80	1.6	0.27 U	1.00 U	--	150.17	0.29 U	0.27 U	31.29	--
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	1.98	1.4	0.21 U	0.50 U	--	168.82	0.13 U	0.15 U	22.89	--
9/23/08	0.11 U	0.16 U	0.50 U	--	0.14 U	2.87	1.4	0.12 U	0.20 U	--	141.19	0.12 U	0.13 U	21.47	--
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	3.73	1.7	0.12 U	0.50 U	--	137.52	0.12 U	0.13 U	24.67	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	5.52	1.2	1.00 U	1.00 U	--	84.90	1.00 U	1.00 U	17.30	--
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	4.00	1.0 U	1.00 U	1.00 U	--	110.00	1.00 U	1.00 U	11.00	--
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.78	1.3 J	2.00 U	1.54 J	--	98.10	2.00 U	2.00 U	52.40	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
4/26/11	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.0 U	1.00 U	4.10	--	1.00 U	1.00 U	1.00 U	--	--
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.0 U	1.00 U	1.50	--	1.00 U	1.00 U	1.00 U	--	--
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	--	33.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	94.60	1.00 U	1.00 U	9.51	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.46	1.0 U	1.00 U	1.00 U	--	34.10	1.00 U	1.00 U	2.55	--
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.78	1.4	1.00 U	1.00 U	--	94.80	1.00 U	1.00 U	8.02	--
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.83	1.0 U	1.00 U	1.00 U	--	22.90	1.00 U	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.10	1.0 U	1.00 U	1.00 U	--	56.20	1.00 U	1.00 U	5.60	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.20	1.00 U	1.00 U	1.00 U	--
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.62	1.0 U	1.00 U	1.00 U	--	53.20	1.00 U	1.00 U	2.88	--
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.0 U	1.00 U	1.00 U	--	21.00	1.00 U	1.00 U	1.00 U	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	49.90	1.00 U	1.00 U	1.73	--
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.16	1.6	1.00 U	1.00 U	--	86.60	1.00 U	1.00 U	2.21	--
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.02	1.4	1.00 U	1.00 U	--	69.00	1.00 U	1.00 U	1.42	--
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	22.30	1.00 U	1.00 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.23	1.00 U	1.00 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.0 U	1.00 U	1.00 U	1 U	15.90	1.00 U	1.00 U	--	5 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.0 U	1.00 U	1.00 U	1 U	36.20	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	1 U	6.60	1.00 U	1.00 U	--	5 U

Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
4/27/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	7.30	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/12/02	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	1.00 U	0.17 U	0.24 U	0.21 U
9/16/02	0.26 U	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/2/03	0.26 U	--	0.30 U	1.40	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	1.00 U	1.00 U	1.00 U	0.21 U
10/8/03	0.26 U	--	1.05	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	0.27 U	0.17 U	1.00 U	0.21 U
3/23/04	0.26 U	--	1.00 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/20/04	0.23 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/5/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/3/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
3/25/08	0.26 U	--	0.54	0.53	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.50 U	0.22 U	0.50 U	0.20 U
9/23/08	0.12 U	--	0.50 U	0.23 U	--	--	5.00 U	0.20 U	0.50 U	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	0.50 U	0.23 U	--	--	5.00 U	0.20 U	0.17 U	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
9/21/09	1.00 U	--	0.29 U	2.00 U	1.00 U	--	1.39	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
9/14/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
4/26/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/19/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/8/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
8/2/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 5/20/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	1.00 U	1.00 U	--	4.50	0.13 U	1.00 U	87.28	0.18 U	--	--	--
9/4/01	0.21 U	71.56	0.24 U	--	5.32	0.13 U	0.14 U	78.18	4.57	--	--	--
3/12/02	0.21 U	102.10	1.00 U	--	8.78	0.13 U	0.14 U	113.50	8.19	--	--	--
9/16/02	0.21 U	74.03	1.00 U	--	8.22	0.13 U	0.14 U	111.71	7.16	--	--	--
6/2/03	0.21 U	1.65	1.62	--	1.00 U	0.13 U	0.14 U	1.26	0.18 U	--	--	--
10/8/03	0.21 U	0.17 U	1.00 U	--	1.99	0.13 U	0.14 U	1.75	1.00 U	--	2.20	--
3/23/04	0.21 U	1.00 U	1.00 U	--	1.39	0.13 U	0.14 U	1.00 U	0.18 U	--	1.78	--
9/20/04	1.00 U	41.02	1.00 U	--	5.71	0.24 U	0.30 U	84.92	3.01	--	18.60	--
4/5/05	0.18 U	0.36 U	0.32 U	--	1.22	0.24 U	0.30 U	4.89	0.36 U	--	1.47	--
9/21/05	0.18 U	30.99	1.00 U	--	6.22	0.24 U	0.30 U	85.13	0.36 U	--	19.56	--
4/4/06	0.18 U	0.36 U	1.00 U	--	3.10	0.24 U	0.30 U	51.33	0.36 U	--	4.62	--
9/25/06	0.18 U	29.40	1.00 U	--	9.08	0.24 U	0.30 U	95.18	3.77	--	26.98	--
4/17/07	0.18 U	0.36 U	0.32 U	--	3.72	0.24 U	0.30 U	20.26	0.36 U	--	5.96	--
10/3/07	1.00 U	33.23	1.00 U	--	10.82	0.24 U	0.30 U	97.78	0.36 U	--	30.58	--
3/25/08	0.23 U	1.66	1.05	0	9.93	0.08 U	--	141.41	0.07 U	--	23.11	--
9/23/08	0.13 U	26.21	0.50 U	0	11.68	0.13 U	--	101.30	0.10 U	--	22.43	--
3/9/09	0.13 U	3.67	0.50 U	0	9.08	0.13 U	--	113.09	0.10 U	--	27.36	--
9/21/09	1.00 U	7.11	1.00 U	--	6.06	1.00 U	1.00 U	66.70	3.08	--	22.90	--
7/30/10	--	15.00	1.00 U	--	6.00	1.00 U	5.00 U	70.00	1.00 U	1 U	18.00	--
9/14/10	2.00 U	17.80	2.00 U	--	5.93	2.00 U	2.00 U	19.30	2.47	2 U	23.50	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 5/20/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/26/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/19/11	--	1.00 U	1.00 U	--	9.00	1.00 U	5.00 U	56.00	6.50	1 U	31.00	1 U
3/8/12	--	1.00 U	1.00 U	--	2.30	1.00 U	5.00 U	18.00	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	1.00 U	--	6.13	1.00 U	5.00 U	64.80	1.00 U	5 U	15.80	--
3/28/13	1.00 U	1.00 U	1.00 U	--	2.69	1.00 U	5.00 U	18.00	1.00 U	5 U	7.33	--
9/23/13	1.00 U	1.00 U	1.00 U	--	5.83	1.00 U	5.00 U	64.00	1.00 U	5 U	12.50	--
3/12/14	1.00 U	1.00 U	1.00 U	--	1.46	1.00 U	5.00 U	4.70	1.00 U	5 U	4.26	--
9/8/14	1.00 U	1.18	1.00 U	--	4.06	1.00 U	5.00 U	27.20	1.00 U	5 U	11.70	--
3/18/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.87	1.00 U	5 U	2.07	--
8/31/15	1.00 U	1.00 U	1.00 U	--	3.83	1.00 U	5.00 U	20.70	1.00 U	5 U	8.16	--
3/23/16	1.00 U	1.00 U	1.00 U	--	1.46	1.00 U	5.00 U	3.36	1.00 U	5 U	3.62	--
8/29/16	1.00 U	1.00 U	1.00 U	--	3.01	1.00 U	5.00 U	7.06	1.33	5 U	7.12	--
3/6/17	1.00 U	1.00 U	1.00 U	--	5.89	1.00 U	5.00 U	5.01	1.93	5 U	11.20	--
9/12/17	1.00 U	1.00 U	1.00 U	--	4.97	1.00 U	5.00 U	3.58	1.00 U	5 U	8.50	--
3/27/18	1.00 U	1.00 U	1.00 U	--	1.50	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.15	--
9/11/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.09	--
4/16/19	--	1.00 U	1.00 U	--	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1 U	3.10	--
8/2/19	--	1.00 U	1.00 U	--	2.90	1.00 U	1.00 U	2.60	1.00 U	1 U	6.90	--
3/11/20	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.10	--

Gude Landfill
Monitoring Location OB04 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	352.8940	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	304.6010	0.004	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	98.9558	0.005	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	320.1710	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	337.7240	0.002 U	--	--	--	--	--	--	--	--	0.028
10/8/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.029
3/23/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.031
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.019
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.052
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.026
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.029
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.034
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	221.0	0.33	26.3	412.0000	--	--	670.0	0.2000 U	--	--	--	--	--	--
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	255.0	0.51	29.8	424.0000	--	--	680.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/25/11	238.0	0.70	30.7	433.0000	--	--	717.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/15/11	242.0	0.67	29.2	416.0000	--	--	705.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/13/12	261.0	0.67	34.1	473.0000	--	--	714.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	248.0	0.77	26.7	448.0000	--	--	712.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/2/13	244.0	0.73	31.3	449.0000	--	0	730.0	0.2000 U	0 U	0.05 U	380	6.22	--	--
9/18/13	249.0	0.67	23.7	455.0000	--	0	740.0	0.2000 U	0 U	0.05 U	416	6.12	--	--
3/13/14	248.0	0.78	34.8	453.0000	--	6	742.0	0.2000 U	--	--	419	6.17	--	--
9/8/14	265.0	0.94	38.0	462.0000	--	2	762.0	0.2000 U	0 U	0.05 U	339	6.32	--	--
3/18/15	250.0	0.83	33.1	503.0000	--	0	764.0	0.2000 U	0 U	0.05 U	313	6.07	--	--
9/1/15	270.0	1.04	35.0	482.0000	--	1	760.0	0.2000 U	0 U	0.05 U	254	5.99	--	--
3/16/16	249.0	0.79	32.0	496.0000	--	0	780.0	0.2000 U	0 U	0.05 U	385	6.21	--	--
8/30/16	245.0	0.72	39.4	492.0000	--	2	760.0	0.2000 U	0 U	0.05 U	371	5.87	--	--
3/6/17	295.0	1.65	16.6	187.0000	--	--	640.0	0.2000 U	0 U	0.05 U	369	6.10	--	--
9/12/17	237.0	0.38	34.4	497.0000	--	--	760.0	0.2000 U	0 U	0.05 U	398	6.04	--	--
3/28/18	229.0	0.52	45.4	527.0000	--	--	930.0	0.2000 U	0 U	0.05 U	220	6.09	--	--
9/6/18	243.0	0.60	36.4	529.0000	--	--	814.0	0.2000 U	0 U	0.05 U	191	5.80	--	--
4/9/19	264.0	0.80	47.0	530.0000	--	0	--	1.3000	--	--	138	5.89	6.21	--
8/1/19	286.0	0.83	35.3	514.0000	--	0	--	1.5000	--	--	93	5.73	6.19	--
3/9/20	275.0	0.81	36.5	103.0000	--	0	--	1.1500	--	--	175	5.94	6.12	--

Gude Landfill
Monitoring Location OB04 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.1	--
9/4/01	--	--	--	--	--	--	--	--	1.2	--
3/12/02	--	--	--	--	--	--	--	--	0.6	--
9/16/02	--	--	--	--	--	--	--	--	4.6	--
6/2/03	--	--	--	--	--	--	0 U	--	2.6	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	18.8	--	--	1348	--	--	1.1	--
7/29/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	28.4	--	--	1760	--	--	0.6	--

**Gude Landfill
Monitoring Location OB04 - General Parameters**

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/25/11	--	--	19.6 J	--	--	1428	--	--	0.4	--
9/15/11	--	--	22.3	--	--	1736	--	--	--	--
3/13/12	--	--	19.5	--	--	1632	--	--	--	--
9/17/12	--	--	18.3	--	--	1432	--	--	--	--
4/2/13	2	--	16.1	--	15.1	1600	--	--	--	0.0
9/18/13	1737	--	21.0	--	16.1	1304	--	--	--	0.0
3/13/14	1742	--	22.8	--	15.0	1256	--	--	--	1.0
9/8/14	1840	--	27.9	--	15.8	1168	--	--	--	0.0
3/18/15	1685	--	20.2	--	15.1	1112	--	--	--	0.6
9/1/15	1881	--	17.9	--	16.4	1142	--	--	--	0.0
3/16/16	1835	--	21.6	--	14.8	1150	--	--	--	0.0
8/30/16	1857	--	19.0	--	17.0	1360	--	--	--	0.0
3/6/17	1823	--	9.9	--	17.9	524	--	--	--	0.0
9/12/17	1824	--	14.6	--	16.9	1210	--	--	--	0.0
3/28/18	1781	--	18.1	--	14.1	1320	--	--	--	0.0
9/6/18	1992	--	18.3	--	19.0	1100	--	--	--	6.4
4/9/19	2474	2070	25.0	--	15.3	1470	--	2.6 U	0.5 U	2.0
8/1/19	2	2080	21.9	--	16.8	1670	--	6.0 U	0.5 U	1.6
3/9/20	1989	2000	19.4	--	16.1	1390	--	2.3 U	0.5 U	1.0

Gude Landfill
Monitoring Location OB04 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.261	0.005 U	0.005 U	160.0	0.01 U	0.01 U	0.036	1.3	0.005 U	80.2	1.950	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.010	0.283	0.005 U	0.005 U	169.0	0.01 U	0.01 U	0.036	0.8	0.005 U	94.3	2.220	0.0002 U
9/17/12	0.005 U	0.010	0.271	0.005 U	0.005 U	165.0	0.01 U	0.01 U	0.038	0.6	0.005 U	81.7	2.320	0.0002 U
4/2/13	0.005 U	0.011	0.282	0.005 U	0.005 U	162.0	0.01 U	0.01 U	0.046	0.7	0.005 U	80.0	2.530	0.0002 U
9/18/13	0.005 U	0.005 U	0.260	0.005 U	0.005 U	169.0	0.01 U	0.01 U	0.034	0.7	0.005 U	83.2	2.730	0.0002 U
3/13/14	0.005 U	0.010	0.297	0.005 U	0.005 U	160.0	0.01 U	0.01 U	0.037	0.2 U	0.005 U	78.6	2.750	0.0002 U
9/8/14	0.005 U	0.005 U	0.284	0.005 U	0.005 U	160.0	0.01 U	0.01 U	0.038	1.0	0.005 U	81.7	2.970	0.0002 U
3/18/15	0.002 U	0.006	0.280	0.002 U	0.004 U	180.0	0.01 U	0.01 U	0.034	0.0 U	0.002 U	88.0	2.500	0.0002 U
9/1/15	0.001 U	0.006	0.270	0.001 U	0.001 U	170.0	0.01 U	0.01 U	0.038	0.0 U	0.001 U	84.0	3.200	0.0002 U
3/16/16	0.002 U	0.004	0.304	0.002 U	0.002 U	167.0	0.00 U	0.00 U	0.035	1.0	0.002 U	87.0	3.440	0.0002 U
8/30/16	0.002 U	0.006	0.310	0.002 U	0.002 U	166.0	0.00 U	0.00 U	0.032	0.9	0.002 U	90.6	2.910	0.0002 U
3/6/17	0.002 U	0.006	0.321	0.002 U	0.002 U	176.0	0.01	0.00 U	0.038	0.9	0.002 U	90.7	3.210	0.0002 U
9/12/17	0.002 U	0.004	0.311	0.002 U	0.002 U	169.0	0.00	0.00 U	0.027	0.9	0.002 U	90.0	2.650	0.0002 U
3/28/18	0.002 U	0.009	0.305	0.002 U	0.002 U	165.0	0.01	0.00 U	0.032	0.2 U	0.002 U	85.8	3.120	0.0002 U
9/6/18	0.002 U	0.006	0.305	0.002 U	0.002 U	180.0	0.01	0.00 U	0.037	0.1 U	0.002 U	90.8	3.070	0.0002 U

Gude Landfill
Monitoring Location OB04 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	6.6	0.021	0.01 U	68.8	0.005 U	0.01 U	0.012
9/15/11	0.01	--	--	--	--	--	--	--
3/13/12	0.02	7.4	0.035	0.01 U	79.3	0.005 U	0.01 U	0.009
9/17/12	0.02	7.8	0.039	0.01 U	66.8	0.005 U	0.01 U	0.008
4/2/13	0.02	8.2	0.044	0.01 U	67.3	0.005 U	0.01 U	0.008
9/18/13	0.01	7.4	0.020	0.01 U	65.7	0.005 U	0.01 U	0.008
3/13/14	0.02	6.6	0.035	0.01 U	62.7	0.005 U	0.01 U	0.009
9/8/14	0.01	7.5	0.021	0.01 U	69.4	0.005 U	0.01 U	0.012
3/18/15	0.02	7.3	0.022 J	0.01 U	64.0	0.002 U	0.01 U	0.006 J
9/1/15	0.01 U	8.2	0.026	0.00 U	70.0	0.001 U	0.01 U	0.005
3/16/16	0.01	7.0	0.018	0.00 U	68.3	0.001 U	0.00 U	0.006
8/30/16	0.01	7.4	0.020	0.00 U	69.6	0.001 U	0.00 U	0.006
3/6/17	0.02	7.0	0.030	0.00 U	69.2	0.001 U	0.00	0.008
9/12/17	0.01	6.4	0.017	0.00 U	68.8	0.001 U	0.00 U	0.006
3/28/18	0.02	6.8	0.028	0.00 U	64.8	0.001 U	0.00	0.007
9/6/18	0.02	6.6	0.022	0.00 U	68.1	0.001 U	0.00	0.008

Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0315	0.0005 U	--	0.0020 U	--	0.0103	0.0007 U	0.0262	--	0.0013 U
9/4/01	0.0020 U	0.0020 U	0.1173	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0114	--	0.0028
3/12/02	0.0005 U	0.0041	0.1226	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0069	--	0.0020 U
9/16/02	0.0007 U	0.0138	0.1375	0.0004 U	--	0.0020 U	--	0.0028	0.0020	0.0096	--	0.0039
6/2/03	0.0007 U	0.0020 U	0.1795	0.0004 U	--	0.0020 U	--	0.0005 U	0.0020 U	0.0108	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.1584	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0100 U	--	0.0020 U
3/23/04	0.0009 U	0.0008 U	0.1513	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0020 U	0.1513	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0121	--	0.0020 U
4/5/05	0.0028 U	0.0020 U	0.0797	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0157	--	0.0006 U
9/21/05	0.0028 U	0.0020 U	0.0430	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0254	--	0.0020 U
4/4/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0123	--	0.0027
9/25/06	0.0007 U	0.0020 U	0.2328	0.0009 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0316	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.2276	0.0009 U	0.247	--	--	0.0007 U	0.0020 U	0.0323	--	0.0007 U
10/3/07	0.0007 U	0.0020 U	0.2220	0.0009 U	0.206	--	--	0.0020 U	0.0020 U	0.0290	--	0.0007 U
3/25/08	0.0005 U	0.0020 U	0.1991	0.0010 U	0.159	--	--	0.0008 U	0.0012 U	0.0088	--	0.0010 U
9/23/08	0.0010 U	0.0040 U	0.2255	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0087	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.2468	0.0012 U	0.187	--	--	0.0007 U	0.0007 U	0.0311	--	0.0100 U
9/21/09	0.0020 U	0.0034	0.2610	0.0020 U	--	0.0020 U	154.0	0.0020 U	0.0004 J	0.0344	0.3	0.0020 U
7/29/10	0.0010 U	0.0014	0.2500	0.0010 U	--	0.0010 U	--	0.0005 J	0.0007 J	0.0400	--	0.0010 U
9/15/10	0.0050 U	0.0055	0.2550	0.0050 U	--	0.0050 U	159.0	0.0050 U	0.0050 U	0.0418	1.2	0.0050 U
4/25/11	0.0050 U	0.0050 U	0.2640	0.0050 U	--	0.0050 U	154.0 J	0.0050 U	0.0050 U	0.0367	0.5 U	0.0050 U
9/15/11	0.0050 U	0.0050 U	0.2550	0.0050 U	--	0.0050 U	157.0	0.0050 U	0.0050 U	0.0314	0.9	0.0050 U
3/13/12	0.0050 U	0.0091	0.2810	0.0050 U	--	0.0050 U	173.0	0.0050 U	0.0050 U	0.0377	0.8	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/17/12	0.0050 U	0.0086	0.2470	0.0050 U	--	0.0050 U	157.0	0.0050 U	0.0050 U	0.0353	0.8	0.0050 U
4/2/13	0.0050 U	0.0093	0.2740	0.0050 U	--	0.0050 U	151.0	0.0050 U	0.0050 U	0.0475	0.8	0.0050 U
9/18/13	0.0050 U	0.0050 U	0.2650	0.0050 U	--	0.0050 U	164.0	0.0050 U	0.0050 U	0.0354	0.7	0.0050 U
3/13/14	0.0050 U	0.0088	0.2940	0.0050 U	--	0.0050 U	175.0	0.0050 U	0.0050 U	0.0382	0.9	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.2910	0.0050 U	--	0.0050 U	169.0	0.0050 U	0.0050 U	0.0393	1.0	0.0050 U
3/18/15	0.0020 U	0.0079	0.2800	0.0020 U	--	0.0040 U	180.0	0.0100 U	0.0100 U	0.0360	0.0 U	0.0020 U
9/1/15	0.0010 U	0.0054	0.2800	0.0010 U	--	0.0005 U	170.0	0.0050 U	0.0050 U	0.0390	0.0 U	0.0010 U
3/16/16	0.0020 U	0.0041	0.3090	0.0020 U	--	0.0020 U	170.0	0.0020 U	0.0020 U	0.0360	1.0	0.0020 U
8/30/16	0.0020 U	0.0042	0.2940	0.0020 U	--	0.0020 U	165.0	0.0020 U	0.0020 U	0.0321	1.1	0.0020 U
3/6/17	0.0020 U	0.0038	0.4780	0.0020 U	--	0.0020 U	77.2	0.0060	0.0575	0.0057	23.3	0.0020 U
9/12/17	0.0020 U	0.0037	0.3150	0.0020 U	--	0.0020 U	170.0	0.0032	0.0020 U	0.0278	1.0	0.0020 U
3/28/18	0.0020 U	0.0094	0.3050	0.0020 U	--	0.0020 U	167.0	0.0074	0.0020 U	0.0312	0.2 U	0.0020 U
9/6/18	0.0020 U	0.0069	0.3070	0.0020 U	--	0.0020 U	178.0	0.0036	0.0020 U	0.0488	0.1 U	0.0020 U
4/9/19	0.0010 U	0.0010 U	0.2890	0.0010 U	--	0.0010 U	171.0	0.0010 U	0.0010 U	0.0400	0.1 U	0.0010 U
8/1/19	0.0010 U	0.0010 U	0.2720	0.0010 U	--	0.0010 U	179.0	0.0044	0.0010 U	0.0391	0.1 U	0.0010 U
3/9/20	0.0010 U	0.0010 U	0.3090	0.0010 U	--	0.0010 U	163.0	0.0013	0.0010 U	0.0411	0.0 J	0.0010 U

Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.362	0.0002 U	0.0113	--	0.0050 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.465	0.0002	0.0110	--	0.0046	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.341	0.0001 U	0.0112	--	0.0148	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.366	0.0001 U	0.0123	--	0.0384	0.0096 U	--	0.0010 U	0.0020 U	0.0020 U	--
6/2/03	--	0.244	0.0002 U	0.0114	--	0.0045	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.445	0.0002 U	0.0090	--	0.0033	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.215	0.0002 U	0.0093	--	0.0030	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
9/20/04	--	0.646	0.0001 U	0.0112	--	0.0056	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.031	0.0001 U	0.0064	--	0.0024	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.702	0.0002	0.0146	--	0.0032	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	--	0.107	0.0001 U	0.0095	--	0.0047	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	1.200	0.0002 U	0.0091	--	0.0033	0.0005 U	--	0.0020 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0105	--	0.0072	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0070
10/3/07	--	--	0.0002 U	0.0102	--	0.0070	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0058
3/25/08	--	--	0.0002 U	0.0106	--	0.0050	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0167
9/23/08	--	--	0.0002 U	0.0118	--	0.0058	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	--	0.0002 U	0.0100 U	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0138
9/21/09	75.100	1.320	0.0002 U	0.0137	6.32	0.0167	0.0020 U	71.0	0.0020 U	--	0.0005 J	0.0100 U
7/29/10	--	--	0.0003	0.0110	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0026 J	0.0160
9/15/10	81.000	1.840	0.0002 U	0.0145	6.45	0.0219	0.0050 U	73.8	0.0050 U	--	0.0050 U	0.0078
4/25/11	88.100	1.940	0.0002 U	0.0132	7.29	0.0193	0.0050 U	74.4	0.0050 U	--	0.0050 U	0.0083
9/15/11	89.100	2.030	0.0002 U	--	7.18	0.0144	0.0050 U	74.3	0.0050 U	--	0.0050 U	0.0074
3/13/12	88.900	2.070	0.0002 U	0.0168	7.03	0.0320	0.0050 U	73.3	0.0050 U	--	0.0050 U	0.0069

Shaded concentrations represent MCL/GWPS exceedances

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Monitoring Location OB04 - Total Metals

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/17/12	76.600	2.280	0.0002 U	0.0188	7.72	0.0321	0.0050 U	63.2	0.0050 U	--	0.0050 U	0.0089
4/2/13	78.100	2.550	0.0002 U	0.0203	8.21	0.0370	0.0050 U	66.6	0.0050 U	--	0.0050 U	0.0079
9/18/13	82.000	2.590	0.0002 U	0.0128	7.21	0.0212	0.0050 U	64.8	0.0050 U	--	0.0050 U	0.0080
3/13/14	88.300	2.630	0.0002 U	0.0174	7.74	0.0303	0.0050 U	71.4	0.0050 U	--	0.0050 U	0.0100
9/8/14	86.100	2.950	0.0002 U	0.0149	7.71	0.0208	0.0050 U	73.1	0.0050 U	--	0.0050 U	0.0109
3/18/15	89.000	2.600	0.0002 U	0.0110 U	7.40	0.0270 J	0.0100 U	65.0	0.0020 U	--	0.0100 U	0.0064 J
9/1/15	86.000	3.100	0.0002 U	0.0110	8.40	0.0220	0.0010 U	71.0	0.0010 U	--	0.0050 U	0.0060
3/16/16	87.400	5.140	0.0002 U	0.0136	6.85	0.0195	0.0020 U	69.3	0.0010 U	--	0.0020 U	0.0056
8/30/16	86.100	2.850	0.0002 U	0.0125	6.72	0.0174	0.0020 U	68.1	0.0010 U	--	0.0020 U	0.0051
3/6/17	47.600	20.900	0.0002 U	0.0179	5.90	0.0049	0.0020 U	40.6	0.0010 U	--	0.0020 U	0.0133
9/12/17	91.000	2.620	0.0002 U	0.0124	6.49	0.0163	0.0020 U	70.0	0.0010 U	--	0.0020 U	0.0060
3/28/18	86.900	2.940	0.0002 U	0.0154	6.07	0.0291	0.0020 U	66.4	0.0010 U	--	0.0028	0.0060
9/6/18	89.800	3.030	0.0002 U	0.0167	6.62	0.0242	0.0020 U	66.5	0.0010 U	--	0.0020 U	0.0096
4/9/19	91.300	3.800	0.0001 U	0.0148	6.86	0.0010 U	0.0010 U	77.1	0.0010 U	--	0.0010 U	0.0080 B
8/1/19	118.000	4.140	0.0001 U	0.0164	6.59	0.0010 U	0.0010 U	76.2	0.0010 U	--	0.0010 U	0.0076 B
3/9/20	114.000	4.010	0.0001	0.0151	7.41	0.0010 U	0.0010 U	83.8	0.0010 U	--	0.0010 U	0.0078

Gude Landfill

Printed 5/20/20

Monitoring Location OB04 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	1.00 U	10.0 U	0.17 U	1.00 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	1.0 U	1.00 U	1.00 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	--	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.55
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.50 U	0.66
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.4 U	1.00 U	1.00 U
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.4	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0	1.00 U	1.15
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.39	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.98	0.11 U	0.72	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	3.92	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	11.51	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.33	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	--	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.65	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.70	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.85	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.50 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.21	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.68	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	6.06	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.18 J	--	1 U	--	1.62	1.00 U	1.00 U
7/29/10	--	1.00 U	6.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/15/10	2.00 U	2.00 U	2.91	2.00 U	0.65 J	2.00 U	2.00 U	2.00 U	2 U	11.90	--	2 U	--	2.04	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/13/12	--	--	5.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.60	--	1.00 U
9/17/12	1.00 U	1.00 U	5.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	14.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	5.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.54	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	5.82	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.61	1.00 U	--
9/8/14	1.00 U	1.00 U	5.31	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.73	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	5.97	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.98	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	5.85	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.86	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	7.55	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.12	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	5.38	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.70	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.77	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	6.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.68	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	6.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.80	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	6.26	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.61	1.00 U	1.00 U
4/9/19	--	1.00 U	5.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U
8/1/19	--	1.00 U	6.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U
3/9/20	--	1.00 U	6.00	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.70	--	1.00 U

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	18.27	0.19 U	0.17 U	1.57	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	9.92	0.19 U	0.17 U	1.09	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	5.41	0.19 U	0.17 U	2.16	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	4.87	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	1.19	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	4.85	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	11.27	0.19 U	0.17 U	1.00 U	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	3.94	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	9.25	0.29 U	0.27 U	1.28	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.38	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	18.27	0.29 U	0.27 U	2.82	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.59	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.11	0.3 U	0.27 U	0.25 U	--	18.58	0.29 U	0.27 U	1.61	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.05	0.3 U	0.27 U	0.25 U	--	18.76	0.29 U	0.27 U	1.48	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.19	0.3 U	0.27 U	0.25 U	--	20.95	0.29 U	0.27 U	2.31	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	6.45	0.13 U	0.15 U	0.52	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.58	0.1 U	0.12 U	0.20 U	--	15.43	0.12 U	0.13 U	1.13	--	0.12 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.92	0.1 U	0.50 U	0.20 U	--	18.92	0.12 U	0.13 U	1.73	--	0.12 U
9/21/09	1.00 U	1.00 U	0.22 J	2.50 U	1.00 U	1.09	1.0 U	1.00 U	1.00 U	--	17.00	1.00 U	1.00 U	1.70	--	1.00 U
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	20.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.90 J	2.0 U	2.00 U	2.00 U	--	8.32	2.00 U	2.00 U	4.50	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	--	14.00	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	12.40	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.85	1.0 U	1.00 U	1.00 U	--	27.70	1.00 U	1.00 U	2.68	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.08	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.38	1.0 U	1.00 U	1.00 U	--	12.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.39	1.0 U	1.00 U	1.00 U	--	12.40	1.00 U	1.00 U	1.09	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.56	1.0 U	1.00 U	1.00 U	--	13.20	1.00 U	1.00 U	1.13	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.53	1.0 U	1.00 U	1.00 U	--	13.30	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.70	1.0 U	1.00 U	1.00 U	--	15.30	1.00 U	1.00 U	1.16	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	13.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.33	1.0 U	1.00 U	1.00 U	--	14.80	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.0 U	1.00 U	1.00 U	--	13.70	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.0 U	1.00 U	1.00 U	--	14.70	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.44	1.0 U	1.00 U	1.00 U	--	12.80	1.00 U	1.00 U	1.00 U	--	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	1 U	11.80	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.0 U	1.00 U	1.00 U	1 U	13.50	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.0 U	1.00 U	1.00 U	1 U	14.80	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB04 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.26	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.00	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.53	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.48	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	1.60	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.42	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	1.42	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.93	1.00 U	1.00 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	2.00	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	1.03 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	2.00	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.65	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.66	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.06	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.96	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.76	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.10	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.00	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.30 B	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB04 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.22	0.24 U	--	1.00 U	0.13 U	0.14 U	1.89	0.18 U	--	--	--
9/4/01	1.91	0.24 U	--	1.00 U	0.13 U	0.14 U	1.59	0.18 U	--	--	--
3/12/02	4.08	0.24 U	--	1.00 U	0.13 U	0.14 U	2.70	0.18 U	--	--	--
9/16/02	1.33	0.24 U	--	0.22 U	0.13 U	0.14 U	1.15	0.18 U	--	--	--
6/2/03	1.96	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	3.16	1.00 U	--	1.00 U	0.13 U	0.14 U	1.55	0.18 U	--	0.66	--
3/23/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.05	--
9/20/04	1.52	0.32 U	--	0.45 U	0.24 U	0.30 U	1.88	0.36 U	--	1.00 U	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/21/05	1.15	1.00 U	--	0.45 U	0.24 U	0.30 U	1.71	0.36 U	--	1.57	--
4/4/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/25/06	2.23	0.32 U	--	1.00 U	0.24 U	0.30 U	2.19	0.36 U	--	1.33	--
4/17/07	1.93	0.32 U	--	1.00 U	0.24 U	0.30 U	1.82	0.36 U	--	1.23	--
10/3/07	2.07	0.32 U	--	1.00 U	0.24 U	0.30 U	2.12	0.36 U	--	1.70	--
3/25/08	0.65	0.28 U	0	0.22 U	0.08 U	--	0.92	0.07 U	--	0.22 U	--
9/23/08	1.34	0.92	0	0.50 U	0.13 U	--	1.40	0.10 U	--	0.81	--
3/9/09	1.99	0.12 U	0	0.50 U	0.13 U	--	1.82	0.10 U	--	1.47	--
9/21/09	1.25	1.00 U	--	0.47 J	1.00 U	1.00 U	1.66	1.00 U	--	1.53	--
7/29/10	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	2.00	--
9/15/10	0.70 J	2.00 U	--	2.00 U	2.00 U	2.00 U	1.08 J	2.00 U	2 U	2.16	--

Gude Landfill Monitoring Location OB04 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/25/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	--	1.00 U	1 U
9/15/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/13/12	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.60	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	3.93	1.00 U	--	1.00 U	1.00 U	5.00 U	3.42	1.00 U	5 U	3.03	--
9/18/13	1.24	1.00 U	--	1.00 U	1.00 U	5.00 U	1.76	1.00 U	5 U	1.71	--
3/13/14	1.63	1.00 U	--	1.00 U	1.00 U	5.00 U	1.38	1.00 U	5 U	1.40	--
9/8/14	1.39	1.00 U	--	1.00 U	1.00 U	5.00 U	1.35	1.00 U	5 U	1.49	--
3/18/15	1.59	1.00 U	--	1.00 U	1.00 U	5.00 U	1.36	1.00 U	5 U	1.57	--
9/1/15	1.45	1.00 U	--	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5 U	1.41	--
3/16/16	1.83	1.00 U	--	1.00 U	1.00 U	5.00 U	1.57	1.00 U	5 U	1.68	--
8/30/16	1.27	1.00 U	--	1.00 U	1.00 U	5.00 U	1.30	1.00 U	5 U	1.35	--
3/6/17	1.36	1.00 U	--	1.00 U	1.00 U	5.00 U	1.54	1.00 U	5 U	1.46	--
9/12/17	1.35	1.00 U	--	1.00 U	1.00 U	5.00 U	1.19	1.00 U	5 U	1.36	--
3/28/18	1.53	1.00 U	--	1.00 U	1.00 U	5.00 U	1.35	1.00 U	5 U	1.39	--
9/6/18	1.38	1.00 U	--	1.00 U	1.00 U	5.00 U	1.30	1.00 U	5 U	1.41	--
4/9/19	1.30	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.30	--
8/1/19	1.30	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	1.40	--
3/9/20	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	1.50	--

Gude Landfill
Monitoring Location OB04A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	318.9060	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	334.6690	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	206.9520	0.001	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	372.9800	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	390.8830	0.002 U	--	--	--	--	--	--	--	--	0.064
10/8/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.075
3/23/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.049
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.061
4/5/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.044
9/21/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.049
9/25/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.053
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.059
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	125.0	0.30	31.3	438.0000	--	--	570.0	0.2000 U	--	--	--	--	--	--
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	135.0	0.28	29.5	468.0000	--	--	600.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/25/11	133.0	0.38	39.3	473.0000	--	--	592.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/15/11	127.0	0.32	27.5	460.0000	--	--	602.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/13/12	129.0	0.22	33.0	531.0000	--	--	622.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	123.0	0.30	33.3	501.0000	--	--	598.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/2/13	129.0	0.29	28.8	498.0000	--	0	604.0	0.2000 U	0 U	0.05 U	385	5.85	--	--
9/16/13	--	--	--	--	--	0	590.0	--	--	--	180	5.62	--	--
9/18/13	127.0	0.23	65.6	501.0000	--	0	616.0	0.2000 U	0 U	0.05 U	406	5.69	--	--
9/19/13	--	--	--	--	--	1	640.0	--	--	--	223	5.65	--	--
3/13/14	133.0	0.31	27.6	512.0000	--	0	640.0	0.2000 U	--	--	419	5.77	--	--
9/8/14	144.0	0.48	34.6	530.0000	--	2	684.0	0.2000 U	0 U	0.05 U	353	5.92	--	--
3/18/15	1250.0	0.37	35.6	544.0000	--	0	694.0	0.2000 U	0 U	0.05 U	339	6.41	--	--
9/1/15	131.0	0.37	39.7	541.0000	--	1	680.0	0.2000 U	0 U	0.05 U	288	5.63	--	--
3/16/16	132.0	0.33	35.5	580.0000	--	0	690.0	0.2000 U	0 U	0.05 U	404	5.76	--	--
8/30/16	145.0	0.38	47.5	543.0000	--	--	700.0	0.2000 U	0 U	0.05 U	385	5.46	--	--
3/6/17	143.0	0.31	34.0	539.0000	--	--	720.0	0.2000 U	0 U	0.05 U	425	5.68	--	--
9/12/17	144.0	0.20 U	29.8	551.0000	--	--	700.0	0.2000 U	0 U	0.05 U	434	5.65	--	--
3/28/18	139.0	0.22	50.7	584.0000	--	--	770.0	0.2000 U	0 U	0.05 U	243	5.66	--	--
9/6/18	140.0	0.33	39.7	607.0000	--	--	741.0	0.2000 U	0 U	0.05 U	224	5.67	--	--
4/9/19	254.0	0.94	50.0	546.0000	--	0	--	1.4000	--	--	142	5.80	6.12	--
8/1/19	210.0	0.99	52.2	593.0000	--	0	--	1.6000	--	--	179	5.41	6.01	--
3/9/20	157.0	0.63	41.9	566.0000	--	1	--	1.2100	--	--	261	5.60	5.77	--

Gude Landfill
Monitoring Location OB04A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	1.1	--
9/4/01	--	--	--	--	--	--	--	--	0.8	--
3/12/02	--	--	--	--	--	--	--	--	1.5	--
9/16/02	--	--	--	--	--	--	--	--	1.0	--
6/2/03	--	--	--	--	--	--	0	--	1.4	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	12.1	--	--	1200	--	--	10.3	--
7/29/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	12.8	--	--	1672	--	--	16.3	--

**Gude Landfill
Monitoring Location OB04A - General Parameters**

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/25/11	--	--	11.5 J	--	--	1356	--	--	5.8	--
9/15/11	--	--	11.0	--	--	1636	--	--	--	--
3/13/12	--	--	11.1	--	--	1508	--	--	--	--
9/17/12	--	--	11.5	--	--	1476	--	--	--	--
4/2/13	2	--	9.0	--	15.5	1596	--	--	--	12.3
9/16/13	1	--	--	--	16.2	--	--	--	4.3	1.3
9/18/13	1697	--	11.7	--	17.2	1262	--	--	--	18.2
9/19/13	2	--	--	--	13.7	--	--	--	0.4	10.3
3/13/14	1720	--	12.0	--	15.5	1242	--	--	--	14.1
9/8/14	1818	--	14.0	--	17.0	1138	--	--	--	7.2
3/18/15	1577	--	11.0	--	14.8	1088	--	--	--	0.0
9/1/15	1837	--	9.3	--	18.2	1169	--	--	--	0.8
3/16/16	1836	--	12.2	--	13.8	1070	--	--	--	0.0
8/30/16	1862	--	11.3	--	21.5	1200	--	--	--	0.0
3/6/17	1771	--	12.0	--	15.6	1030	--	--	--	2.5
9/12/17	1837	--	10.5	--	19.6	1210	--	--	--	1.5
3/28/18	1832	--	12.6	--	15.0	1350	--	--	--	0.0
9/6/18	1987	--	11.1	--	24.2	1100	--	--	--	3.7
4/9/19	2541	2120	18.8	--	15.8	1450	--	6.3	0.8	2.0
8/1/19	2	2090	15.5	--	17.2	1790	--	2.3 J	0.5 U	2.3
3/9/20	1992	2110	12.2	--	15.8	1390	--	6.7	1.3	0.4

Gude Landfill
Monitoring Location OB04A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005	0.054	0.005 U	0.005 U	118.0	0.01 U	0.01 U	0.022	1.0	0.005 U	83.9	1.100	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.012	0.061	0.005 U	0.005 U	125.0	0.01 U	0.01 U	0.025	0.6	0.005 U	89.6	1.210	0.0002 U
9/17/12	0.005 U	0.011	0.059	0.005 U	0.005 U	119.0	0.01 U	0.01 U	0.029	0.5	0.005 U	81.8	1.160	0.0002 U
4/2/13	0.005 U	0.012	0.060	0.005 U	0.005 U	115.0	0.01 U	0.01 U	0.036	0.5	0.005 U	82.5	1.240	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/18/13	0.005 U	0.005 U	0.060	0.005 U	0.005 U	122.0	0.01 U	0.01 U	0.024	0.5	0.005 U	84.4	1.330	0.0002 U
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/14	0.005 U	0.010	0.063	0.005 U	0.005 U	117.0	0.01 U	0.01 U	0.025	0.2 U	0.005 U	79.8	1.330	0.0002 U
9/8/14	0.005 U	0.005	0.068	0.005 U	0.005 U	116.0	0.01 U	0.01 U	0.027	0.7	0.005 U	81.5	1.570	0.0002 U
3/18/15	0.002 U	0.008	0.059	0.002 U	0.004 U	130.0	0.11	0.01 U	0.030	0.3	0.002 U	89.0	1.600	0.0002 U
9/1/15	0.001 U	0.008	0.060	0.001 U	0.001 U	130.0	0.01 U	0.01 U	0.026	0.0 U	0.001 U	87.0	1.700	0.0002 U
3/16/16	0.002 U	0.005	0.065	0.002 U	0.002 U	128.0	0.00 U	0.00 U	0.026	1.1	0.002 U	90.6	1.850	0.0002 U
8/30/16	0.002 U	0.006	0.069	0.002 U	0.002 U	130.0	0.00 U	0.00 U	0.026	0.7	0.002 U	93.0	1.810	0.0002 U
3/6/17	0.002 U	0.007	0.064	0.002 U	0.002 U	134.0	0.01	0.00 U	0.030	0.8	0.002 U	93.1	1.710	0.0002 U
9/12/17	0.002 U	0.004	0.066	0.002 U	0.002 U	135.0	0.00	0.00 U	0.023	0.7	0.002 U	92.8	1.720	0.0002 U
3/28/18	0.002 U	0.010	0.064	0.002 U	0.002 U	134.0	0.01	0.00 U	0.022	0.2 U	0.002 U	92.1	1.850	0.0002 U
9/6/18	0.002 U	0.007	0.068	0.002 U	0.002 U	140.0	0.01	0.00 U	0.028	0.1 U	0.002 U	94.3	1.950	0.0002 U

Gude Landfill

Monitoring Location OB04A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.02	5.0	0.022	0.01 U	90.8	0.005 U	0.01 U	0.019
9/15/11	0.02	--	--	--	--	--	--	--
3/13/12	0.02	5.1	0.041	0.01 U	97.0	0.005 U	0.01 U	0.021
9/17/12	0.02	5.6	0.044	0.01 U	90.2	0.005 U	0.01 U	0.023
4/2/13	0.03	5.6	0.049	0.01 U	91.4	0.005 U	0.01 U	0.022
9/16/13	0.02	--	--	--	--	--	--	--
9/18/13	0.02	5.2	0.022	0.01 U	89.6	0.005 U	0.01 U	0.020
9/19/13	0.02	--	--	--	--	--	--	--
3/13/14	0.02	4.7	0.035	0.01 U	85.2	0.005 U	0.01 U	0.023
9/8/14	0.02	5.4	0.023	0.01 U	85.6	0.005 U	0.01 U	0.024
3/18/15	0.12	5.3	0.026 J	0.01 U	95.0	0.002 U	0.01 U	0.024
9/1/15	0.02	5.8	0.031	0.00 U	87.0	0.001 U	0.01 U	0.023
3/16/16	0.02	6.8	0.022	0.00 U	89.0	0.001 U	0.00 U	0.021
8/30/16	0.02	5.3	0.022	0.00 U	91.8	0.001 U	0.00 U	0.022
3/6/17	0.03	4.9	0.034	0.00 U	94.6	0.001 U	0.00	0.023
9/12/17	0.02	4.9	0.019	0.00 U	93.8	0.001 U	0.00 U	0.020
3/28/18	0.02	4.5	0.030	0.00 U	94.1	0.001 U	0.00	0.020
9/6/18	0.03	4.9	0.024	0.00 U	92.6	0.001 U	0.00	0.025

Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0898	0.0005 U	--	0.0020 U	--	0.0062	0.0007 U	0.0218	--	0.0013 U
9/4/01	0.0020 U	0.0020 U	0.0385	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0263	--	0.0020 U
3/12/02	0.0005 U	0.0054	0.0385	0.0017 U	--	0.0020 U	--	0.0023	0.0020 U	0.0246	--	0.0020 U
9/16/02	0.0007 U	0.0192	0.0397	0.0004 U	--	0.0020 U	--	0.0032	0.0020 U	0.0124	--	0.0020 U
6/2/03	0.0007 U	0.0039	0.0444	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0312	--	0.0020 U
10/8/03	0.0009 U	0.0020 U	0.0368	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0185	--	0.0020 U
3/23/04	0.0009 U	0.0020 U	0.0406	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0262	--	0.0020 U
9/20/04	0.0028 U	0.0020 U	0.0443	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0348	--	0.0020 U
4/5/05	0.0028 U	0.0020 U	0.0447	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0339	--	0.0020 U
9/21/05	0.0028 U	0.0020 U	0.1167	0.0012 U	--	0.0020	--	0.0007 U	0.0005 U	0.0218	--	0.0020
4/4/06	0.0006 U	0.0020 U	0.0408	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0260	--	0.0020 U
9/25/06	0.0007 U	0.0020 U	0.0441	0.0009 U	--	0.0006 U	--	0.0022	0.0020 U	0.0248	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.0432	0.0009 U	0.200 U	--	--	0.0007 U	0.0020 U	0.0227	--	0.0007 U
10/3/07	0.0020 U	0.0020 U	0.0445	0.0009 U	0.155	--	--	0.0026	0.0020 U	0.0261	--	0.0020 U
3/25/08	0.0005 U	0.0020	0.0453	0.0010 U	0.138	--	--	0.0020 U	0.0012 U	0.0300	--	0.0010 U
9/23/08	0.0010 U	0.0040 U	0.0490	0.0020 U	0.400 U	--	--	0.0040 U	0.0024 U	0.0270	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.0512	0.0012 U	0.166	--	--	0.0100 U	0.0100 U	0.0288	--	0.0100 U
9/21/09	0.0020 U	0.0036	0.0542	0.0020 U	--	0.0020 U	109.0	0.0021	0.0012 J	0.0328	1.0	0.0020 U
7/29/10	0.0010 U	0.0012	0.0510	0.0010 U	--	0.0010 U	--	0.0012	0.0011	0.0260	--	0.0010 U
9/15/10	0.0050 U	0.0061	0.0539	0.0050 U	--	0.0050 U	113.0	0.0050 U	0.0050 U	0.0324	1.2	0.0050 U
4/25/11	0.0050 U	0.0053	0.0579	0.0050 U	--	0.0050 U	117.0 J	0.0050 U	0.0050 U	0.0283	0.6	0.0050 U
9/15/11	0.0050 U	0.0050 U	0.0555	0.0050 U	--	0.0050 U	118.0	0.0050 U	0.0050 U	0.0236	0.7	0.0050 U
3/13/12	0.0050 U	0.0105	0.0614	0.0050 U	--	0.0050 U	124.0	0.0050 U	0.0050 U	0.0295	1.1	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/17/12	0.0050 U	0.0107	0.0553	0.0050 U	--	0.0050 U	118.0	0.0050 U	0.0050 U	0.0256	0.6	0.0050 U
4/2/13	0.0050 U	0.0105	0.0622	0.0050 U	--	0.0050 U	126.0	0.0050 U	0.0050 U	0.0364	0.8	0.0050 U
9/16/13	0.0050 U	0.0010 U	0.0580	0.0010 U	--	0.0010 U	110.0	0.0005 J	0.0010 J	0.0260	10.0 U	0.0010 U
9/18/13	0.0050 U	0.0056	0.0612	0.0050 U	--	0.0050 U	123.0	0.0050 U	0.0050 U	0.0284	0.9	0.0050 U
9/19/13	0.0050 U	0.0010 U	0.0510	0.0010 U	--	0.0010 U	120.0	0.0010 U	0.0012	0.0200	0.1 U	0.0010 U
3/13/14	0.0050 U	0.0106	0.0681	0.0050 U	--	0.0050 U	142.0	0.0050 U	0.0050 U	0.0281	1.1	0.0050 U
9/8/14	0.0050 U	0.0051	0.0681	0.0050 U	--	0.0050 U	121.0	0.0050 U	0.0050 U	0.0291	1.0	0.0050 U
3/18/15	0.0020 U	0.0082	0.0590	0.0020 U	--	0.0040 U	130.0	0.1500	0.0100 U	0.0300	0.5	0.0020 U
9/1/15	0.0010 U	0.0067	0.0610	0.0010 U	--	0.0005 U	130.0	0.0050 U	0.0050 U	0.0280	0.0 U	0.0010 U
3/16/16	0.0020 U	0.0046	0.0686	0.0020 U	--	0.0020 U	129.0	0.0020 U	0.0020 U	0.0280	0.9	0.0020 U
8/30/16	0.0020 U	0.0048	0.0654	0.0020 U	--	0.0020 U	122.0	0.0020 U	0.0020 U	0.0254	0.8	0.0020 U
3/6/17	0.0020 U	0.0064	0.0650	0.0020 U	--	0.0020 U	135.0	0.0057	0.0020 U	0.0300	0.8	0.0020 U
9/12/17	0.0050 U	0.0050 U	0.0722	0.0050 U	--	0.0050 U	139.0	0.0050 U	0.0050 U	0.0357	1.6	0.0050 U
3/28/18	0.0020 U	0.0098	0.0633	0.0020 U	--	0.0020 U	129.0	0.0087	0.0020 U	0.0238	0.2 U	0.0020 U
9/6/18	0.0020 U	0.0073	0.0678	0.0020 U	--	0.0020 U	141.0	0.0039	0.0020 U	0.0287	0.1 U	0.0020 U
4/9/19	0.0010 U	0.0010 U	0.0666	0.0010 U	--	0.0010 U	128.0	0.0023	0.0011	0.0305	0.1	0.0010 U
8/1/19	0.0010 U	0.0010 U	0.0687	0.0010 U	--	0.0010 U	149.0	0.0028	0.0010	0.0330	0.1 U	0.0010 U
3/9/20	0.0010 U	0.0010 U	0.0770	0.0010 U	--	0.0010 U	135.0	0.0017	0.0012	0.0327	0.1 J	0.0010 U

Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.300	0.0001 U	0.0095	--	0.0050 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.431	0.0002	0.0133	--	0.0060	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/12/02	--	0.443	0.0002 U	0.0137	--	0.0187	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.470	0.0002 U	0.0162	--	0.0531	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.544	0.0002	0.0152	--	0.0146	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.497	0.0002 U	0.0119	--	0.0038	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/23/04	--	0.645	0.0002 U	0.0138	--	0.0035	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
9/20/04	--	0.692	0.0002 U	0.0141	--	0.0070	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.697	0.0002 U	0.0149	--	0.0027	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.317	0.0001 U	0.0103	--	0.0032	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/4/06	--	0.666	0.0002 U	0.0142	--	0.0053	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	0.659	0.0002 U	0.0148	--	0.0032	0.0020 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0152	--	0.0074	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0166
10/3/07	--	--	0.0002	0.0157	--	0.0085	0.0020 U	--	0.0007 U	0.0020 U	0.0020 U	0.0170
3/25/08	--	--	0.0004	0.0164	--	0.0077	0.0026	--	0.0006 U	0.0500 U	0.0006 U	0.0201
9/23/08	--	--	0.0002	0.0172	--	0.0064	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0273
3/9/09	--	--	0.0002	0.0159	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0321
9/21/09	71.900	0.969	0.0003	0.0210	4.93	0.0174	0.0020 U	89.1	0.0020 U	--	0.0007 J	0.0240
7/29/10	--	--	0.0002	0.0180	--	0.0010 U	0.0009 J	--	0.0010 U	0.0050 U	0.0050 U	0.0280
9/15/10	80.300	1.130	0.0002 U	0.0207	4.92	0.0243	0.0050 U	91.9	0.0050 U	--	0.0050 U	0.0214
4/25/11	94.800	1.120	0.0002 U	0.0193	5.92	0.0223	0.0050 U	100.0 J	0.0050 U	--	0.0050 U	0.0210
9/15/11	85.500	1.100	0.0002 U	--	4.99	0.0161	0.0050 U	91.1	0.0050 U	--	0.0050 U	0.0204
3/13/12	88.800	1.010	0.0002 U	0.0217	5.73	0.0373	0.0050 U	95.0	0.0050 U	--	0.0050 U	0.0227

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/17/12	81.000	1.120	0.0002 U	0.0252	5.42	0.0391	0.0050 U	89.0	0.0050 U	--	0.0050 U	0.0222
4/2/13	89.600	1.230	0.0002 U	0.0256	5.96	0.0434	0.0050 U	100.0	0.0050 U	--	0.0050 U	0.0228
9/16/13	77.000	1.400	0.0001 J	--	4.70	0.0010 U	0.0006 J	81.0	0.0010 U	--	0.0050 U	2.0000 U
9/18/13	85.500	1.480	0.0002 U	0.0186	5.15	0.0239	0.0050 U	90.4	0.0050 U	--	0.0050 U	0.0227
9/19/13	82.000	1.200	0.0001 J	--	4.40	0.0010 U	0.0010 U	87.0	0.0010 U	--	0.0050 U	0.0210
3/13/14	98.800	1.320	0.0002 U	0.0238	5.38	0.0358	0.0050 U	106.0	0.0050 U	--	0.0050 U	0.0239
9/8/14	85.200	1.580	0.0002 U	0.0219	5.51	0.0233	0.0050 U	89.6	0.0050 U	--	0.0050 U	0.0260
3/18/15	89.000	1.600	0.0002 U	0.0110 U	5.30	0.0280 J	0.0100 U	94.0	0.0020 U	--	0.0100 U	0.0240
9/1/15	89.000	1.700	0.0002 U	0.0170	5.90	0.0260	0.0010 U	89.0	0.0010 U	--	0.0050 U	0.0230
3/16/16	91.100	1.840	0.0002 U	0.0225	5.74	0.0226	0.0020 U	90.3	0.0010 U	--	0.0020 U	0.0220
8/30/16	85.100	1.760	0.0002 U	0.0209	4.97	0.0197	0.0020 U	84.3	0.0010 U	--	0.0020 U	0.0186
3/6/17	94.500	1.740	0.0002 U	0.0253	4.96	0.0339	0.0020 U	96.3	0.0010 U	--	0.0043	0.0218
9/12/17	96.600	1.800	0.0002 U	0.0225	5.23	0.0157	0.0050 U	97.0	0.0050 U	--	0.0050 U	0.0446
3/28/18	89.600	1.860	0.0002 U	0.0220	4.96	0.0302	0.0020 U	92.1	0.0010 U	--	0.0028	0.0192
9/6/18	94.500	1.960	0.0002 U	0.0264	4.91	0.0258	0.0020 U	93.2	0.0010 U	--	0.0020 U	0.0252
4/9/19	98.500	2.420	0.0001 U	0.0237	6.32	0.0010 U	0.0010 U	108.0	0.0010 U	--	0.0010 U	0.0205 B
8/1/19	127.000	3.200	0.0001 U	0.0260	6.66	0.0010 U	0.0010 U	124.0	0.0010 U	--	0.0010 U	0.0263 B
3/9/20	121.000	3.120	0.0001 U	0.0262	6.42	0.0010 U	0.0010 U	114.0	0.0010 U	--	0.0010 U	0.0278

Gude Landfill

Printed 5/20/20

Monitoring Location OB04A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	1.00 U	0.20 U	1.00 U	1.00 U	10.0 U	0.17 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
3/12/02	0.18 U	0.15 U	0.23 U	1.00 U	1.00 U	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	1.00 U	1.00 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.39	0.40 U	1.00 U	1.00 U	0.28 U	10.0 U	0.27 U	1.00 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	1.0 U	0.27 U	1.00 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.5 U	0.50 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.50 U	0.73
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.50 U	0.80
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.5 J	1.00 U	0.72 J
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.51 J

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	22.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.6	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	1.00 U	1.33
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB04A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.56	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.81	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.48	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	6.47	0.11 U	0.58	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.79	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.64	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.40	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	7.30	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.65	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.09	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.72	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.83	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	1.40	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	4.46	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.32	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.65	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	7.33	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.35 J	--	1 U	--	1.68	1.00 U	1.00 U
7/29/10	--	1.00 U	7.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/15/10	2.00 U	2.00 U	4.66	2.00 U	0.78 J	2.00 U	2.00 U	2.00 U	2 U	18.60	--	2 U	--	2.45	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location OB04A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	6.60	--	5 U	--	2.20	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.10	--	1.00 U
3/13/12	--	--	7.60	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.60	--	1.00 U
9/17/12	1.00 U	1.00 U	6.94	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	15.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.50	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	6.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.94	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	7.07	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.57	1.00 U	--
9/8/14	1.00 U	1.00 U	6.83	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.70	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	7.95	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.97	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	7.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.86	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	9.95	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.15	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	4.69	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.42	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	8.79	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.81	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	8.35	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.71	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	8.89	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.82	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	6.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.61	1.00 U	1.00 U
4/9/19	--	1.00 U	6.20	1.00 U	5.00 U	--	5.00 U	--	5 U	8.10	--	5 U	1 U	1.60	--	1.00 U
8/1/19	--	1.00 U	8.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.70	--	1.00 U
3/9/20	--	1.00 U	8.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.90	--	1.00 U

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	4.45	0.19 U	0.17 U	1.00 U	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	23.24	0.19 U	0.17 U	1.94	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	1.00 U	0.21 U	--	26.49	0.19 U	0.17 U	2.72	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	18.02	0.19 U	0.17 U	1.25	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	19.38	0.19 U	0.17 U	1.29	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	22.97	0.19 U	0.17 U	1.73	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	1.00 U	0.2 U	0.23 U	1.00 U	--	18.94	0.19 U	0.17 U	1.00 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	15.36	0.29 U	0.27 U	1.93	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	11.88	0.29 U	0.27 U	2.21	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	5.65	0.29 U	0.27 U	1.00 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	12.82	0.29 U	0.27 U	1.07	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.08	0.3 U	0.27 U	0.25 U	--	23.31	0.29 U	0.27 U	1.50	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.02	0.3 U	0.27 U	0.25 U	--	24.08	0.29 U	0.27 U	1.45	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.3 U	0.27 U	0.25 U	--	26.31	0.29 U	0.27 U	2.12	--	0.23 U
3/25/08	0.19 U	0.12 U	0.09 U	--	0.13 U	0.98	0.1 U	0.21 U	0.15 U	--	23.78	0.13 U	0.15 U	1.44	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.82	0.1 U	0.12 U	0.20 U	--	20.70	0.12 U	0.13 U	1.20	--	0.12 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	1.07	0.1 U	0.50 U	0.20 U	--	24.40	0.12 U	0.13 U	1.64	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.14	1.0 U	1.00 U	1.00 U	--	21.80	1.00 U	1.00 U	1.71	--	1.00 U
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	25.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.87 J	2.0 U	2.00 U	2.00 U	--	8.54	2.00 U	2.00 U	4.43	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	7.50	--	67.00	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	20.00	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	16.40	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.56	1.0 U	1.00 U	1.00 U	--	36.80	1.00 U	1.00 U	2.42	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	19.40	1.00 U	1.00 U	1.29	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.25	1.0 U	1.00 U	1.00 U	--	16.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.37	1.0 U	1.00 U	1.00 U	--	15.60	1.00 U	1.00 U	1.43	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.34	1.0 U	1.00 U	1.00 U	--	17.80	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.33	1.0 U	1.00 U	1.00 U	--	17.30	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.63	1.0 U	1.00 U	1.00 U	--	20.20	1.00 U	1.00 U	1.07	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	15.80	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.47	1.0 U	1.00 U	1.00 U	--	19.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.0 U	1.00 U	1.00 U	--	16.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.58	1.0 U	1.00 U	1.00 U	--	18.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.54	1.0 U	1.00 U	1.00 U	--	16.00	1.00 U	1.00 U	1.00 U	--	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	1 U	14.10	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.0 U	1.00 U	1.00 U	1 U	18.30	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	20.30	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	8.87	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	4.09	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.30	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.97	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.24	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U	1.00 U
3/23/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.49	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.19	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.84	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	1.50	1.17	0.39 U	1.00 U	1.00 U	1.00 U	0.25 U	1.00 U
9/25/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.77	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
4/17/07	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	3.31	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
10/3/07	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.67	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.50 U	2.45	0.22 U	0.21 U	0.22 U	0.22 U	0.50 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	2.44	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
3/9/09	--	0.50 U	0.23 U	--	--	1.25 U	0.20 U	2.98	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	3.38	1.00 U	1.00 U	1.00 U	1.00 U	0.29 U	1.00 U	1.00 U
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	4.00	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	3.39	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Monitoring Location OB04A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	7.70	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	4.40	--	--	--	--	--	1.00 U	--
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.57	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.88	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.74	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.43	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.85	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.98	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.93	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.00	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.40	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	4.00 B	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB04A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/4/01	2.06	0.24 U	--	1.00 U	0.13 U	0.14 U	2.05	0.18 U	--	--	--
3/12/02	3.55	0.24 U	--	1.00 U	0.13 U	0.14 U	2.97	0.18 U	--	--	--
9/16/02	1.44	1.00 U	--	1.00 U	0.13 U	0.14 U	1.54	0.18 U	--	--	--
6/2/03	2.37	0.24 U	--	1.00 U	0.13 U	0.14 U	1.70	0.18 U	--	--	--
10/8/03	0.17 U	1.00 U	--	1.00 U	0.13 U	1.00 U	2.19	0.18 U	--	1.68	--
3/23/04	1.01	0.24 U	--	1.00 U	0.13 U	1.00 U	1.94	0.18 U	--	1.29	--
9/20/04	1.39	1.00 U	--	0.45 U	0.24 U	0.30 U	2.02	0.36 U	--	1.49	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.53	0.36 U	--	1.43	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/4/06	1.45	0.32 U	--	0.45 U	0.24 U	0.30 U	1.87	0.36 U	--	1.00 U	--
9/25/06	1.92	0.32 U	--	1.00 U	0.24 U	0.30 U	2.24	0.36 U	--	1.15	--
4/17/07	1.77	0.32 U	--	1.00 U	0.24 U	0.30 U	1.93	0.36 U	--	1.06	--
10/3/07	1.65	0.32 U	--	1.00 U	0.24 U	0.30 U	2.08	0.36 U	--	2.02	--
3/25/08	1.42	0.28 U	0	0.50 U	0.08 U	--	1.96	0.07 U	--	1.37	--
9/23/08	1.34	0.50 U	0	0.50 U	0.13 U	--	1.45	0.10 U	--	1.39	--
3/9/09	1.70	0.12 U	0	0.58	0.13 U	--	1.87	0.10 U	--	1.65	--
9/21/09	1.23	1.00 U	--	0.58 J	1.00 U	1.00 U	1.83	1.00 U	--	2.12	--
7/29/10	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	2.00	--
9/15/10	0.60 J	2.00 U	--	2.00 U	2.00 U	2.00 U	1.07 J	2.00 U	2 U	2.78	--

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 5/20/20

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/25/11	13.00	1.00 U	--	5.40	1.00 U	5.00 U	17.00	3.80	1 U	1.00 U	1 U
9/15/11	1.30	1.00 U	--	2.20	1.00 U	5.00 U	1.30	1.00 U	1 U	1.00 U	1 U
3/13/12	1.90	1.00 U	--	1.00 U	1.00 U	5.00 U	1.90	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	3.36	1.00 U	--	1.22	1.00 U	5.00 U	3.39	1.00 U	5 U	4.37	--
9/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.26	--
3/13/14	1.35	1.00 U	--	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5 U	1.78	--
9/8/14	1.14	1.00 U	--	1.00 U	1.00 U	5.00 U	1.27	1.00 U	5 U	2.35	--
3/18/15	1.39	1.00 U	--	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5 U	2.06	--
9/1/15	1.36	1.00 U	--	1.00 U	1.00 U	5.00 U	1.63	1.00 U	5 U	1.98	--
3/16/16	1.65	1.00 U	--	1.00 U	1.00 U	5.00 U	1.66	1.00 U	5 U	2.40	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.37	1.00 U	5 U	1.68	--
3/6/17	1.29	1.00 U	--	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5 U	2.20	--
9/12/17	1.31	1.00 U	--	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5 U	1.91	--
3/28/18	1.25	1.00 U	--	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5 U	1.93	--
9/6/18	1.11	1.00 U	--	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5 U	1.96	--
4/9/19	1.10	1.00 U	--	1.00 U	1.00 U	1.00 U	1.40	1.00 U	1 U	1.80	--
8/1/19	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	2.10	--
3/9/20	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	2.20	--

Gude Landfill
Monitoring Location OB06 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	348.9380	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	301.1230	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	307.3560	0.001 U	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	312.7100	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	--	0.012	--	--	--	--	--	--	--	--	0.028
10/8/03	--	--	--	--	0.012	--	--	--	--	--	--	--	--	0.023
3/24/04	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.025
9/21/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.028
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
9/21/05	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.027
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.028
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
10/2/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	0.055
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	150.0	0.20 U	68.0	356.0000	--	--	580.0	0.6869	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	220.0	0.20 U	31.5	360.0000	--	--	550.0	0.8700	1	0.19	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - General Parameters

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	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	145.0	0.39	38.9	356.0000	--	--	553.0	0.7580	1	0.17	--	--	--	--
9/7/11	156.0	0.20 U	32.9	350.0000	--	--	552.0	0.7860	1	0.20	--	--	--	--
3/6/12	175.0	0.20 U	44.0	383.0000	--	--	582.0	0.7080	1	0.20	--	--	--	--
9/11/12	161.0	0.20 U	38.1	374.0000	--	--	566.0	0.6740	1	0.19	--	--	--	--
3/27/13	178.0	0.20 U	43.0	382.0000	--	0	582.0	0.5540	1	0.20	450	6.03	--	--
9/12/13	188.0	0.20 U	36.2	376.0000	--	0	584.0	0.5590	1	0.19	386	5.70	--	--
9/16/13	--	--	--	--	--	1	580.0	--	--	--	122	5.75	--	--
9/19/13	--	--	--	--	--	0	580.0	--	--	--	223	5.65	--	--
3/24/14	203.0	0.20 U	44.6	373.0000	--	0	632.0	0.4860	--	--	402	5.96	--	--
9/2/14	182.0	0.20 U	41.5	365.0000	--	1	584.0	0.6090	1	0.19	356	5.94	--	--
3/17/15	197.0	0.20 U	43.2	372.0000	--	0	586.0	0.5900	1	0.19	350	6.31	--	--
9/9/15	220.0	0.20 U	48.4	365.0000	--	--	572.0	0.5350	1	0.18	292	5.87	--	--
3/17/16	231.0	0.20 U	29.5	382.0000	--	0	576.0	0.4100	1	0.18	381	6.24	--	--
8/31/16	244.0	0.20 U	43.3	384.0000	--	--	560.0	0.3640	1	0.15	373	6.07	--	--
3/7/17	296.0	0.20 U	42.2	376.0000	--	--	592.0	0.2880	0	0.13	383	6.00	--	--
9/11/17	275.0	0.20 U	48.2	352.0000	--	1	670.0	0.2600	0	0.11	408	6.12	--	--
4/4/18	283.0	0.20 U	58.0	381.0000	--	--	588.0	0.2000 U	0	0.08	211	6.00	--	--
9/4/18	294.0	0.20 U	49.2	379.0000	--	--	307.0	0.2000 U	0	0.06	213	5.94	--	--
4/8/19	289.0	0.10 U	51.9	358.0000	--	1	--	0.2000 U	--	--	133	6.01	6.14	--
7/30/19	213.0	0.10 U	55.0	344.0000	--	1	--	0.2000 U	--	--	200	5.91	6.14	--
3/2/20	308.0	0.10 U	44.4	383.0000	--	0	--	0.3300	--	--	179	5.97	6.23	--

Gude Landfill
Monitoring Location OB06 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	1.6	--
9/4/01	--	--	--	--	--	--	--	--	3.4	--
3/12/02	--	--	--	--	--	--	--	--	2.4	--
9/16/02	--	--	--	--	--	--	--	--	3.1	--
6/2/03	--	--	--	--	--	--	0 U	--	1.7	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0 U	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0	--	--	--
10/2/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	82.9	--	--	1116	--	--	21.7	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	81.7	--	--	1784	--	--	3329.0	--

Gude Landfill
Monitoring Location OB06 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	85.7	--	--	1192	--	--	3800.0	--
9/7/11	--	--	93.7	--	--	960	--	--	--	--
3/6/12	--	--	76.8	--	--	1156	--	--	--	--
9/11/12	--	--	89.6	--	--	1224	--	--	--	--
3/27/13	1	--	86.5	--	12.5	1124	--	--	--	44.6
9/12/13	1537	--	101.0	--	13.5	1150	--	--	--	38.5
9/16/13	1	--	--	--	12.9	--	--	--	4.3	7.9
9/19/13	1	--	--	--	10.4	--	--	--	1.4	11.7
3/24/14	1567	--	89.8	--	12.9	982	--	--	--	206.0
9/2/14	1490	--	92.6	--	14.2	1034	--	--	--	58.9
3/17/15	313	--	89.9	--	12.6	970	--	--	--	35.5
9/9/15	1618	--	102.0	--	15.7	913	--	--	--	36.4
3/17/16	1625	--	99.3	--	14.1	979	--	--	--	20.1
8/31/16	1670	--	102.0	--	18.3	1080	--	--	--	66.9
3/7/17	1615	--	91.5	--	13.6	919	--	--	--	40.1
9/11/17	1803	--	99.4	--	13.8	1020	--	--	--	29.6
4/4/18	1668	--	74.2	--	12.3	1010	--	--	--	38.9
9/4/18	1832	--	82.7	--	24.4	1110	--	--	--	149.8
4/8/19	2099	1760	99.6	--	14.0	1140	--	22.3	9.1	29.9
7/30/19	1479	1720	124.0	--	14.6	1150	--	16.3	8.6	9.7
3/2/20	1618	1770	114.0	--	14.3	1040	--	21.2	11.4	11.4

Gude Landfill
Monitoring Location OB06 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.180	0.005 U	0.005 U	122.0	0.01 U	0.01	0.008	0.7	0.005 U	49.1	0.462	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.184	0.005 U	0.005 U	145.0	0.01 U	0.01	0.009	0.7	0.005 U	60.4	0.517	0.0002 U
9/11/12	0.005 U	0.005 U	0.181	0.005 U	0.005 U	148.0	0.01 U	0.01 U	0.006	0.6	0.005 U	64.9	0.469	0.0002 U
3/27/13	0.005 U	0.005 U	0.188	0.005 U	0.005 U	139.0	0.01 U	0.01 U	0.016	0.9	0.005 U	56.3	0.474	0.0002 U
9/12/13	0.005 U	0.005 U	0.180	0.005 U	0.005 U	144.0	0.01 U	0.01 U	0.007	0.6	0.005 U	57.8	0.489	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/24/14	0.005 U	0.005 U	0.190	0.005 U	0.005 U	144.0	0.01 U	0.01 U	0.007	0.9	0.005 U	60.2	0.522	0.0002 U
9/2/14	0.005 U	0.005 U	0.194	0.005 U	0.005 U	137.0	0.01 U	0.01 U	0.008	0.8	0.005 U	57.0	0.504	0.0002 U
3/17/15	0.002 U	0.005	0.170	0.002 U	0.004 U	150.0	0.01 U	0.01 U	0.004 J	0.0 U	0.002 U	57.0	0.470	0.0002 U
9/9/15	0.001 U	0.005	0.170	0.001 U	0.001 U	140.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	59.0	0.570	0.0002 U
3/17/16	0.002 U	0.003	0.192	0.002 U	0.002 U	140.0	0.00 U	0.00	0.005	0.9	0.002 U	58.4	0.560	0.0002 U
8/31/16	0.002 U	0.004	0.204	0.002 U	0.002 U	140.0	0.00 U	0.00	0.005	0.8	0.002 U	59.4	0.576	0.0002 U
3/7/17	0.002 U	0.005	0.180	0.002 U	0.002 U	149.0	0.01	0.00	0.013	0.9	0.002 U	61.8	0.575	0.0002 U
9/11/17	0.002 U	0.002	0.194	0.002 U	0.002 U	147.0	0.00	0.00	0.004	0.7	0.002 U	61.5	0.566	0.0002 U
4/4/18	0.002 U	0.005	0.185	0.002 U	0.002 U	145.0	0.01	0.00	0.004	0.1 U	0.002 U	58.6	0.510	0.0002 U
9/4/18	0.002 U	0.004	0.176	0.002 U	0.002 U	150.0	0.01	0.00	0.004	0.1 U	0.002 U	58.8	0.481	0.0002 U

Gude Landfill

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Monitoring Location OB06 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01	4.6	0.015	0.01 U	70.3	0.005 U	0.01 U	0.024
9/7/11	0.01	--	--	--	--	--	--	--
3/6/12	0.02	4.6	0.012	0.01 U	78.7	0.005 U	0.01 U	0.022
9/11/12	0.02	4.8	0.016	0.01 U	95.8	0.005 U	0.01 U	0.018
3/27/13	0.01	6.3	0.016	0.01 U	92.5	0.005 U	0.01 U	0.020
9/12/13	0.01	4.7	0.013	0.01 U	93.4	0.005 U	0.01 U	0.018
9/16/13	0.01	--	--	--	--	--	--	--
9/19/13	0.01	--	--	--	--	--	--	--
3/24/14	0.01	4.8	0.012	0.01 U	104.0	0.005 U	0.01 U	0.019
9/2/14	0.01	4.4	0.015	0.01 U	93.5	0.005 U	0.01 U	0.026
3/17/15	0.01	4.3	0.015 U	0.01 U	100.0	0.002 U	0.01 U	0.016
9/9/15	0.01 U	4.9	0.016	0.00 U	110.0	0.001 U	0.01 U	0.015
3/17/16	0.01	4.2	0.012	0.00 U	114.0	0.001 U	0.00 U	0.013
8/31/16	0.01	4.5	0.015	0.00 U	113.0	0.001 U	0.00 U	0.012
3/7/17	0.02	4.2	0.020	0.00 U	126.0	0.001 U	0.00	0.015
9/11/17	0.01	4.3	0.010	0.00 U	127.0	0.001 U	0.00 U	0.012
4/4/18	0.01	4.4	0.015	0.00 U	131.0	0.001 U	0.00	0.011
9/4/18	0.01	4.8	0.016	0.00 U	129.0	0.001 U	0.00 U	0.013

Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0005 U	0.0020 U	0.1469	0.0017 U	--	0.0020 U	--	0.0037	0.0026	0.0085	--	0.0020 U
9/4/01	0.0020 U	0.0020	0.1568	0.0017 U	--	0.0020 U	--	0.0012 U	0.0030	0.0089	--	0.0020 U
3/12/02	0.0005 U	0.0038	0.1545	0.0017 U	--	0.0020 U	--	0.0020 U	0.0029	0.0082	--	0.0020 U
9/16/02	0.0007 U	0.0125	0.1651	0.0004 U	--	0.0020	--	0.0043	0.0032	0.0098	--	0.0023
6/2/03	0.0014 U	0.0040 U	0.2120	0.0008 U	--	0.0040 U	--	0.0010 U	0.0045	0.0094	--	0.0040 U
10/8/03	0.0009 U	0.0020 U	0.1657	0.0016 U	--	0.0007 U	--	0.0005 U	0.0032	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0020 U	0.1792	0.0016 U	--	0.0007 U	--	0.0005 U	0.0043	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0020 U	0.1979	0.0012 U	--	0.0020 U	--	0.0020 U	0.0043	0.0125	--	0.0020 U
4/6/05	0.0028 U	0.0020 U	0.2335	0.0012 U	--	0.0020 U	--	0.0020 U	0.0039	0.0138	--	0.0006 U
9/21/05	0.0033	0.0020 U	0.1901	0.0012 U	--	0.0020 U	--	0.0020 U	0.0050	0.0204	--	0.0028
4/5/06	0.0012 U	0.0040 U	0.2245	0.0014 U	--	0.0040 U	--	0.0040 U	0.0047	0.0082	--	0.0020
9/26/06	0.0007 U	0.0030	0.2017	0.0009 U	--	0.0020 U	--	0.0104	0.0063	0.0192	--	0.0048
4/18/07	0.0034	0.0027	0.1950	0.0009 U	0.027	--	--	0.0020 U	0.0049	0.0083	--	0.0020 U
10/2/07	0.0070 U	0.0080 U	0.4262	0.0090 U	0.200 U	--	--	0.0768	0.0251	0.1077	--	0.0491
3/25/08	0.0005 U	0.0027	0.1607	0.0010 U	0.067	--	--	0.0020 U	0.0052	0.0096	--	0.0020 U
9/23/08	0.0010 U	0.0040 U	0.1700	0.0020 U	0.078	--	--	0.0016 U	0.0052	0.0101	--	0.0040 U
3/10/09	0.0010 U	0.0100 U	0.1941	0.0012 U	0.133	--	--	0.0127	0.0100 U	0.0117	--	0.0100 U
9/21/09	0.0020 U	0.0032	0.1960	0.0020 U	--	0.0020 U	148.0	0.0021	0.0059	0.0116	1.7	0.0020 U
7/26/10	0.0010 U	0.0037	0.2200	0.0008 J	--	0.0010 U	--	0.0250	0.0094	0.0430	--	0.0150
9/20/10	0.0050 U	0.0067	0.5070	0.0050 U	--	0.0050 U	126.0	0.1270	0.0326	0.2070	111.0	0.0503
4/19/11	0.0050 U	0.0050 U	0.5360	0.0050 U	--	0.0050 U	145.0 J	0.0199	0.0101	0.0444	15.5	0.0474
9/7/11	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	137.5	0.0050 U	0.0050 U	0.0068	1.1	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.2210	0.0050 U	--	0.0050 U	142.0	0.0133	0.0069	0.0309	12.2	0.0081

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.1900	0.0050 U	--	0.0050 U	148.0	0.0063	0.0066	0.0150	5.1	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.1960	0.0050 U	--	0.0050 U	135.0	0.0050 U	0.0050 U	0.0158	1.2	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.1800	0.0050 U	--	0.0050 U	136.0	0.0050 U	0.0050 U	0.0091	1.4	0.0050 U
9/16/13	0.0050 U	0.0006 J	0.1800	0.0010 U	--	0.0010 U	140.0	0.0010 U	0.0051	0.0036	10.0 U	0.0010 U
9/19/13	0.0050 U	0.0010 U	0.1700	0.0010 U	--	0.0010 U	140.0	0.0010 U	0.0052	0.0033	0.1	0.0010 U
3/24/14	0.0050 U	0.0050 U	0.2050	0.0050 U	--	0.0050 U	146.0	0.0073	0.0057	0.0164	7.3	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.1930	0.0050 U	--	0.0050 U	130.0	0.0050 U	0.0050 U	0.0106	2.7	0.0050 U
3/17/15	0.0020 U	0.0047	0.1700	0.0020 U	--	0.0040 U	140.0	0.0100 U	0.0100 U	0.0051 J	0.6	0.0020 U
9/9/15	0.0010 U	0.0059	0.1700	0.0010 U	--	0.0005 U	140.0	0.0050 U	0.0050 J	0.0050 U	1.5	0.0010 U
3/17/16	0.0020 U	0.0027	0.1930	0.0020 U	--	0.0020 U	90.8	0.0027	0.0046	0.0050	1.0	0.0020 U
8/31/16	0.0050 U	0.0050 U	0.1990	0.0050 U	--	0.0050 U	136.0	0.0050 U	0.0050 U	0.0075	1.8	0.0050 U
3/7/17	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	148.0	0.0050 U	0.0053	0.0138	1.9	0.0050 U
9/11/17	0.0050 U	0.0050 U	0.2010	0.0050 U	--	0.0050 U	144.0	0.0050 U	0.0051	0.0111	3.8	0.0050 U
4/4/18	0.0050 U	0.0050	0.1930	0.0050 U	--	0.0050 U	141.0	0.0050 U	0.0050 U	0.0061	1.1	0.0050 U
9/4/18	0.0050 U	0.0056	0.2020	0.0050 U	--	0.0050 U	73.2	0.0065	0.0057	0.0253	3.6	0.0050 U
4/8/19	0.0010 U	0.0010 U	0.1710	0.0010 U	--	0.0010 U	127.0	0.0053	0.0048	0.0067	0.8	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.1720	0.0010 U	--	0.0010 U	132.0 B	0.0043	0.0047	0.0147	0.7	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.1760	0.0010 U	--	0.0010 U	136.0	0.0028	0.0048	0.0070	1.4	0.0010 U

Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.184	0.0002 U	0.0100 U	--	0.0035	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/4/01	--	0.210	0.0002 U	0.0100	--	0.0070	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/12/02	--	0.197	0.0002	0.0102	--	0.0123	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.189	0.0002	0.0117	--	0.0367	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
6/2/03	--	0.352	0.0002	0.0141	--	0.0087	0.0192 U	--	0.0020 U	0.0008 U	0.0006 U	--
10/8/03	--	0.254	0.0002 U	0.0086	--	0.0041	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/24/04	--	0.300	0.0002	0.0111	--	0.0050	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
9/21/04	--	0.386	0.0002	0.0118	--	0.0061	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.381	0.0002	0.0106	--	0.0060	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	0.416	0.0002	0.0126	--	0.0049	0.0200 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.418	0.0002	0.0138	--	0.0118	0.0008 U	--	0.0008 U	0.0050 U	0.0008 U	--
9/26/06	--	0.495	0.0002	0.0204	--	0.0088	--	--	0.0007 U	0.0050 U	0.0069	--
4/18/07	--	--	0.0002	0.0139	--	0.0094	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0360
10/2/07	--	--	0.0005	0.0805	--	0.0200 U	0.0050 U	--	0.0070 U	0.0020 U	0.0724	0.2789
3/25/08	--	--	0.0003	0.0129	--	0.0095	0.0020 U	--	0.0006 U	0.0500 U	0.0006 U	0.0310
9/23/08	--	--	0.0002	0.0129	--	0.0088	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0321
3/10/09	--	--	0.0002	0.0200	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0414
9/21/09	56.600	0.482	0.0002	0.0166	4.82	0.0147	0.0020 U	83.3	0.0020 U	--	0.0010 U	0.0321
7/26/10	--	--	0.0019	0.0290	--	0.0010 U	0.0027	--	0.0010 U	0.0050 U	0.0250	0.0890
9/20/10	78.800	1.570	0.0015	0.1310	28.80	0.0230	0.0050 U	70.4	0.0050 U	--	0.1330	0.3720
4/19/11	63.000	0.862	0.0085	0.0245	6.20	0.0201	0.0050 U	80.3	0.0050 U	--	0.0213	0.0997
9/7/11	55.900	0.487	0.0009	--	4.72	0.0122	0.0050 U	81.0	0.0050 U	--	0.0050 U	0.0213
3/6/12	61.300	0.592	0.0005	0.0128	7.39	0.0121	0.0050 U	94.3	0.0050 U	--	0.0148	0.0545

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	61.100	0.589	0.0004	0.0126	5.52	0.0151	0.0050 U	88.7	0.0050 U	--	0.0050 U	0.0385
3/27/13	55.300	0.496	0.0002 U	0.0121	6.20	0.0169	0.0050 U	92.2	0.0050 U	--	0.0050 U	0.0210
9/12/13	54.700	0.481	0.0002 U	0.0112	4.75	0.0124	0.0050 U	87.3	0.0050 U	--	0.0050 U	0.0208
9/16/13	55.000	0.560	0.0001 J	--	4.30	0.0010 U	0.0010 U	95.0	0.0010 U	--	0.0050 U	2.0000 U
9/19/13	57.000	0.520	0.0002 J	--	3.90	0.0010 U	0.0010 U	98.0	0.0010 U	--	0.0050 U	0.0190 J
3/24/14	61.900	0.557	0.0005	0.0151	5.57	0.0117	0.0050 U	105.0	0.0050 U	--	0.0074	0.0357
9/2/14	55.500	0.494	0.0002 U	0.0129	4.68	0.0134	0.0050 U	91.0	0.0050 U	--	0.0050 U	0.0283
3/17/15	55.000	0.470	0.0002 U	0.0140	4.40	0.0140 J	0.0100 U	100.0	0.0020 U	--	0.0100 U	0.0190
9/9/15	58.000	0.580	0.0002	0.0100 U	5.10	0.0170	0.0010 U	110.0	0.0010 U	--	0.0050 U	0.0220
3/17/16	56.200	0.568	0.0002 U	0.0104	4.13	0.0121	0.0002	125.0	0.0010 U	--	0.0020 U	0.0128
8/31/16	56.700	0.558	0.0002 U	0.0112	4.35	0.0107	0.0050 U	108.0	0.0050 U	--	0.0050 U	0.0162
3/7/17	60.500	0.582	0.0002 U	0.0163	4.39	0.0211	0.0050 U	124.0	0.0050 U	--	0.0050	0.0194
9/11/17	59.000	0.677	0.0002 U	0.0130	4.89	0.0085	0.0050 U	120.0	0.0050 U	--	0.0050 U	0.0655
4/4/18	57.100	0.497	0.0002 U	0.0122	4.69	0.0131	0.0050 U	124.0	0.0050 U	--	0.0050 U	0.0270
9/4/18	30.200	0.627	0.0002	0.0202	4.83	0.0231	0.0050 U	66.8	0.0050 U	--	0.0050 U	0.0411
4/8/19	68.600	0.608	0.0003	0.0125	4.50	0.0010 U	0.0010 U	155.0	0.0010 U	--	0.0011	0.0205
7/30/19	62.400	0.626	0.0001	0.0112	4.20	0.0010 U	0.0010 U	139.0 B	0.0010 U	--	0.0010 U	0.0156
3/2/20	60.400	0.633	0.0002	0.0110	4.52	0.0010 U	0.0010 U	158.0	0.0010 U	--	0.0014	0.0182

Gude Landfill

Printed 5/20/20

Monitoring Location OB06 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	1.00 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.93	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	1.00 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.76	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Monitoring Location OB06 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.46	0.11 U	0.69	0.15 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	0.19	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	1.00 U	1.37	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	1.00 U	0.19 U	1.00 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	1.03	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	1.43	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.30 J	--	1 U	--	1.00 U	1.00 U	1.00 U
7/26/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	0.93 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	1.21	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.42	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.26	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.35	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.12	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.33	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.29	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.32	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	3.45	0.19 U	0.17 U	1.00 U	--	0.26 U
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	3.21	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.78	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.33	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	1.22	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	2.87	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	3.03	0.19 U	0.17 U	1.00 U	--	0.26 U
3/24/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.59	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.01	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.17	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	2.77	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.65	0.29 U	0.27 U	1.00 U	--	1.00 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	2.92	0.29 U	0.27 U	1.00 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	2.31	0.13 U	0.15 U	0.50 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.52	0.1 U	0.12 U	0.20 U	--	2.39	0.12 U	0.13 U	0.50 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.72	0.1 U	0.12 U	0.20 U	--	2.55	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	0.75 J	1.0 U	1.00 U	1.00 U	--	2.12	1.00 U	1.00 U	1.00 U	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.56 J	2.0 U	2.00 U	0.91 J	--	1.64 J	2.00 U	2.00 U	0.71 J	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.60	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	--	1.65	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.21	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.0 U	1.00 U	1.00 U	--	1.39	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.05	1.0 U	1.00 U	1.00 U	--	1.28	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	1.21	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	1.21	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.61	1.0 U	1.00 U	1.00 U	--	1.34	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.48	1.0 U	1.00 U	1.00 U	--	1.12	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.77	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.55	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.78	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.11	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	1 U	1.30	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB06 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	1.00 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	2.91	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	1.00 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
3/24/04	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	1.00 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	1.00 U	2.00 U	1.00 U	--	--	0.25 U	1.00 U	1.64	1.00 U	1.00 U	1.10	1.00 U	0.25 U	1.00 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	1.00 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.50 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.50 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.50 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	0.40 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB06 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.00	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/4/01	1.23	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/12/02	1.52	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/2/03	1.81	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.17	--
3/24/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.09	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/6/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	1.11	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	1.15	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
10/2/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.50 U	0.07 U	--	0.22 U	--
9/23/08	0.70	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
3/10/09	0.90	0.12 U	0	0.14 U	0.13 U	--	0.53	0.10 U	--	0.18 U	--
9/21/09	0.60 J	1.00 U	--	1.00 U	1.00 U	1.00 U	0.46 J	1.00 U	--	1.00 U	--
7/26/10	0.60 J	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	1.16	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.00 U	1.00 U	--	1.00 U	1.37	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB07 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	76.9260	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	75.2252	0.005	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	84.9507	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	79.5643	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	102.3990	0.002 U	--	--	--	--	--	--	--	--	0.010 U
10/8/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
3/24/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.001 U
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010
9/26/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.027
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.011
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.069
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	163.0	0.20 U	7.0 J	150.0000	--	--	331.0	0.5482	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	184.0	0.20 U	10.0 U	171.0000	--	--	360.0	0.6580	1	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	175.0	0.20 U	14.0	193.0000 J	--	--	407.0	0.8610	1	0.05 U	--	--	--	--
9/7/11	169.0	0.20 U	5.2	194.0000	--	--	409.0	0.8190	1	0.05 U	--	--	--	--
3/6/12	176.0	0.20 U	11.7	199.0000	--	--	412.0	0.8232	1	0.05	--	--	--	--
9/11/12	172.0	0.20 U	10.0 U	202.0000	--	--	410.0	0.8309	1	0.06	--	--	--	--
3/27/13	178.0	0.20 U	11.2	222.0000	--	0	434.0	0.8996	1	0.06	379	6.74	--	--
9/11/13	181.0	0.20 U	10.0 U	223.0000	--	0	452.0	0.9600	1	0.05 U	353	6.41	--	--
3/24/14	191.0	0.20 U	14.3	226.0000	--	1	494.0	0.9667	--	--	461	6.58	--	--
9/2/14	196.0	0.20 U	15.9	243.0000	--	1	508.0	1.0000	1	0.05 U	356	6.65	--	--
3/17/15	184.0	0.20 U	11.3	206.0000	--	0	450.0	0.8460	1	0.05 U	374	6.63	--	--
9/9/15	200.0	0.20 U	13.8	235.0000	--	--	488.0	0.9093	1	0.06	287	6.64	--	--
3/17/16	198.0	0.20 U	10.0 U	236.0000	--	0	464.0	0.8753	1	0.07	339	6.86	--	--
8/31/16	204.0	0.20 U	12.0	224.0000	--	--	476.0	0.7904	1	0.05	403	6.47	--	--
3/7/17	187.0	0.20 U	12.9	214.0000	--	--	440.0	0.7320	1	0.05 U	354	6.59	--	--
9/11/17	200.0	0.20 U	13.8	209.0000	--	--	492.0	0.7540	1	0.05	450	6.62	--	--
4/4/18	188.0	0.20 U	19.6	213.0000	--	--	464.0	0.7530	1	0.05 U	264	6.65	--	--
9/4/18	212.0	0.20 U	17.7	250.0000	--	--	361.0	0.8500	1	0.06	195	6.67	--	--
4/8/19	221.0	0.10 U	21.1	230.0000	--	0	--	0.2000 U	--	--	145	6.62	6.73	--
7/30/19	214.0	0.10 U	31.8	229.0000	--	0	--	1.4000	--	--	200	6.44	6.59	--
3/2/20	220.0	0.12	3.0 U	242.0000	--	1	--	1.6100	--	--	181	6.42	6.68	--

Gude Landfill
Monitoring Location OB07 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.9	--
9/4/01	--	--	--	--	--	--	--	--	1.1	--
3/12/02	--	--	--	--	--	--	--	--	0.4	--
9/16/02	--	--	--	--	--	--	--	--	3.4	--
6/2/03	--	--	--	--	--	--	0 U	--	3.5	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	--	0	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	13.4	--	--	644	--	--	0.3	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	19.2	--	--	1068	--	--	40.7	--

Gude Landfill

Monitoring Location OB07 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	20.4 J	--	--	800	--	--	0.9	--
9/7/11	--	--	21.0	--	--	984	--	--	--	--
3/6/12	--	--	20.2	--	--	708	--	--	--	--
9/11/12	--	--	23.0	--	--	828	--	--	--	--
3/27/13	1	--	24.1	--	12.4	666	--	--	--	42.5
9/11/13	993	--	24.6	--	13.8	724	--	--	--	0.0
3/24/14	1025	--	27.9	--	12.4	624	--	--	--	1.2
9/2/14	1057	--	32.5	--	13.6	824	--	--	--	0.3
3/17/15	874	--	26.9	--	14.4	636	--	--	--	24.1
9/9/15	1048	--	29.5	--	13.8	625	--	--	--	5.0
3/17/16	1018	--	28.8	--	12.6	791	--	--	--	14.1
8/31/16	1031	--	30.2	--	16.0	807	--	--	--	19.8
3/7/17	950	--	29.1	--	14.3	527	--	--	--	27.1
9/11/17	982	--	32.8	--	13.2	742	--	--	--	15.7
4/4/18	923	--	29.2	--	13.3	605	--	--	--	20.3
9/4/18	1135	--	31.7	--	14.2	728	--	--	--	10.9
4/8/19	1420	1190	41.4	--	13.1	923	--	2.6 U	1.4	2.3
7/30/19	1009	1200	47.0	--	13.6	1020	--	5.7	1.1	0.0
3/2/20	1036	1180	46.2	--	12.7	849	--	6.2	5.1	0.9

Gude Landfill
Monitoring Location OB07 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.026	0.005 U	0.005 U	101.0	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	30.6	0.040	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.024	0.005 U	0.005 U	114.0	0.01 U	0.01 U	0.005	0.5	0.005 U	36.6	0.034	0.0002 U
9/11/12	0.005 U	0.005 U	0.027	0.010 U	0.005 U	113.0	0.01 U	0.01 U	0.005 U	0.6	0.005 U	34.8	0.040	0.0004
3/27/13	0.005 U	0.005 U	0.029	0.005 U	0.005 U	114.0	0.01 U	0.01 U	0.013	0.7	0.005 U	34.0	0.041	0.0003
9/11/13	0.005 U	0.005 U	0.029	0.005 U	0.005 U	120.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	37.5	0.039	0.0004
3/24/14	0.005 U	0.005 U	0.029	0.005 U	0.005 U	128.0	0.01 U	0.01 U	0.005 U	0.7	0.005 U	40.7	0.039	0.0003
9/2/14	0.005 U	0.005 U	0.034	0.005 U	0.005 U	126.0	0.01 U	0.01 U	0.005 U	0.7	0.005 U	40.7	0.040	0.0004
3/17/15	0.002 U	0.003	0.035	0.002 U	0.004 U	130.0	0.01 U	0.01 U	0.003 J	0.0 U	0.002 U	36.0	0.110	0.0002 U
9/9/15	0.001 U	0.001 U	0.026	0.001 U	0.001 U	140.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	39.0	0.062	0.0003
3/17/16	0.002 U	0.002 U	0.028	0.002 U	0.002 U	127.0	0.00 U	0.00 U	0.002	0.8	0.002 U	38.9	0.076	0.0002 U
8/31/16	0.002 U	0.003	0.030	0.002 U	0.002 U	127.0	0.00 U	0.00 U	0.002	0.7	0.002 U	38.6	0.093	0.0002 U
3/7/17	0.002 U	0.002	0.034	0.002 U	0.002 U	127.0	0.00	0.00 U	0.003	0.7	0.002 U	39.8	0.113	0.0002 U
9/11/17	0.002 U	0.002 U	0.030	0.002 U	0.002 U	127.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	38.7	0.110	0.0002 U
4/4/18	0.002 U	0.003	0.034	0.002 U	0.002 U	126.0	0.00	0.00 U	0.002 U	0.1 U	0.002 U	37.9	0.102	0.0002 U
9/4/18	0.002 U	0.003	0.026	0.002 U	0.002 U	147.0	0.00	0.00 U	0.003	0.1 U	0.002 U	42.9	0.056	0.0002 U

Gude Landfill

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Monitoring Location OB07 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	3.3	0.008	0.01 U	19.4	0.005 U	0.01 U	0.005 U
9/7/11	0.01 U	--	--	--	--	--	--	--
3/6/12	0.01 U	3.1	0.006	0.01 U	26.1	0.005 U	0.01 U	0.005 U
9/11/12	0.01 U	3.5	0.008	0.01 U	20.7	0.005 U	0.01 U	0.005 U
3/27/13	0.01 U	4.5	0.008	0.01 U	22.7	0.005 U	0.01 U	0.005 U
9/11/13	0.01	3.2	0.008	0.01 U	20.6	0.005 U	0.01 U	0.005 U
3/24/14	0.01 U	3.4	0.007	0.01 U	22.3	0.005 U	0.01 U	0.005 U
9/2/14	0.01 U	3.5	0.010	0.01 U	22.8	0.005 U	0.01 U	0.008
3/17/15	0.01 U	3.5	0.010 J	0.01 U	21.0	0.002 U	0.01 U	0.010 U
9/9/15	0.01 U	3.8	0.008	0.00 U	22.0	0.001 U	0.01 U	0.005 U
3/17/16	0.00	3.2	0.007	0.00 U	21.7	0.001 U	0.00 U	0.002 U
8/31/16	0.00	3.4	0.009	0.00 U	23.0	0.001 U	0.00 U	0.002 U
3/7/17	0.00	3.2	0.012	0.00 U	22.7	0.001 U	0.00	0.003
9/11/17	0.00 U	3.3	0.006	0.00 U	21.9	0.001 U	0.00 U	0.002
4/4/18	0.00	3.2	0.009	0.00 U	21.7	0.001 U	0.00 U	0.002
9/4/18	0.00	3.4	0.012	0.00 U	22.3	0.001 U	0.00 U	0.002 U

Gude Landfill
Monitoring Location OB07 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0020 U	0.0005 U	0.0404	0.0005 U	--	0.0037	--	0.0039	0.0007 U	0.0100 U	--	0.0013 U
9/4/01	0.0020 U	0.0007 U	0.0485	0.0017 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0086	--	0.0020 U
3/12/02	0.0005 U	0.0020 U	0.0471	0.0017 U	--	0.0006 U	--	0.0039	0.0004 U	0.0067	--	0.0020 U
9/16/02	0.0007 U	0.0024	0.0588	0.0004 U	--	0.0020 U	--	0.0049	0.0020 U	0.0073	--	0.0020 U
6/2/03	0.0020 U	0.0020 U	0.0561	0.0004 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0087	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0507	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0004 U
3/24/04	0.0009 U	0.0008 U	0.0598	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0006 U	0.0815	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0108	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0658	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0006 U
9/21/05	0.0028 U	0.0006 U	0.0831	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0129	--	0.0020 U
4/5/06	0.0006 U	0.0020 U	0.0938	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0050	--	0.0020 U
9/26/06	0.0007 U	0.0008 U	0.0172	0.0009 U	--	0.0006 U	--	0.0007 U	0.0005 U	0.0057	--	0.0020 U
4/18/07	0.0007 U	0.0020 U	0.0928	0.0009 U	0.020 U	--	--	0.0007 U	0.0005 U	0.0053	--	0.0007 U
10/2/07	0.0020 U	0.0020 U	0.0903	0.0009 U	0.020 U	--	--	0.0034	0.0020 U	0.0137	--	0.0031
3/25/08	0.0005 U	0.0006 U	0.0511	0.0010 U	0.020 U	--	--	0.0008 U	0.0012 U	0.0033	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.0406	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0080	--	0.0040 U
3/10/09	0.0010 U	0.0010 U	0.0252	0.0012 U	0.050 U	--	--	0.0007 U	0.0007 U	0.0100 U	--	0.0007 U
9/21/09	0.0020 U	0.0020 U	0.0250	0.0020 U	--	0.0020 U	99.5	0.0020 U	0.0020 U	0.0062	0.3	0.0020 U
7/26/10	0.0010 U	0.0005 J	0.0190	0.0010 U	--	0.0010 U	--	0.0010	0.0010 U	0.0024	--	0.0010 U
9/20/10	0.0050 U	0.0050 U	0.0333	0.0050 U	--	0.0050 U	102.0	0.0050 U	0.0050 U	0.0132	2.1	0.0050 U
4/19/11	0.0050 U	0.0050 U	0.0256	0.0050 U	--	0.0050 U	114.0 J	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U
9/7/11	0.0050 U	0.0050 U	0.0257	0.0050 U	--	0.0050 U	112.5	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.0261	0.0050 U	--	0.0050 U	108.0	0.0050 U	0.0050 U	0.0091	1.0	0.0050 U

Gude Landfill
Monitoring Location OB07 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.0265	0.0050 U	--	0.0050 U	113.0	0.0050 U	0.0050 U	0.0056	0.8	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.0338	0.0050 U	--	0.0050 U	115.0	0.0050 U	0.0050 U	0.0135	1.8	0.0050 U
9/11/13	0.0050 U	0.0050 U	0.0287	0.0050 U	--	0.0050 U	123.0	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.0290	0.0050 U	--	0.0050 U	127.0	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.0325	0.0050 U	--	0.0050 U	124.0	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
3/17/15	0.0020 U	0.0021	0.0380	0.0020 U	--	0.0040 U	130.0	0.0100 U	0.0100 U	0.0052 J	0.8	0.0013 J
9/9/15	0.0010 U	0.0029	0.0240	0.0010 U	--	0.0005 U	130.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/17/16	0.0020 U	0.0020 U	0.0285	0.0020 U	--	0.0020 U	131.0	0.0020 U	0.0020 U	0.0025	0.9	0.0020 U
8/31/16	0.0020 U	0.0020 U	0.0288	0.0020 U	--	0.0020 U	128.0	0.0020 U	0.0020 U	0.0028	1.1	0.0020 U
3/7/17	0.0050 U	0.0050 U	0.0427	0.0050 U	--	0.0050 U	125.0	0.0050 U	0.0050 U	0.0050 U	1.3	0.0050 U
9/11/17	0.0050 U	0.0050 U	0.0360	0.0050 U	--	0.0050 U	131.0	0.0050 U	0.0050 U	0.0059	0.9	0.0050 U
4/4/18	0.0050 U	0.0050 U	0.0404	0.0050 U	--	0.0050 U	126.0	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
9/4/18	0.0050 U	0.0050 U	0.0306	0.0050 U	--	0.0050 U	73.4	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U
4/8/19	0.0010 U	0.0010 U	0.0366	0.0010 U	--	0.0010 U	127.0	0.0010 U	0.0010 U	0.0023	0.1 U	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.0472	0.0010 U	--	0.0010 U	133.0 B	0.0020	0.0010 U	0.0066	0.1 U	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.0382	0.0010 U	--	0.0010 U	130.0	0.0018	0.0010 U	0.0018	0.2	0.0010 U

Gude Landfill
Monitoring Location OB07 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.017	0.0002 U	0.0020 U	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/4/01	--	0.007	0.0001 U	0.0030 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.005	0.0001 U	0.0030 U	--	0.0032	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.034	0.0001 U	0.0031	--	0.0089	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.009	0.0002 U	0.0020 U	--	0.0025	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.010 U	0.0002 U	0.0020 U	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/24/04	--	0.010 U	0.0002 U	0.0020 U	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/21/04	--	0.004	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.004	0.0001 U	0.0009 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.023	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.077	0.0001 U	0.0022	--	0.0042	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	--	0.048	0.0003	0.0020 U	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	--	0.0002 U	0.0024	--	0.0029	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0075
10/2/07	--	--	0.0002 U	0.0056	--	0.0054	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0230
3/25/08	--	--	0.0002 U	0.0022	--	0.0028	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0040 U	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/10/09	--	--	0.0002 U	0.0100 U	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0100 U
9/21/09	26.100	0.032	0.0002 U	0.0047	3.07	0.0044	0.0020 U	21.4	0.0020 U	--	0.0005 J	0.0100 U
7/26/10	--	--	0.0007	0.0008 J	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/20/10	28.500	0.221	0.0003	0.0050 U	3.13	0.0058	0.0050 U	21.9	0.0050 U	--	0.0050 U	0.0112
4/19/11	35.200 J	0.034	0.0005	0.0050 U	3.24	0.0071	0.0050 U	21.3 J	0.0050 U	--	0.0050 U	0.0050 U
9/7/11	34.800	0.037	0.0003	--	3.42	0.0066	0.0050 U	20.8	0.0050 U	--	0.0050 U	0.0058
3/6/12	33.600	0.113	0.0003	0.0050 U	3.40	0.0051	0.0050 U	24.5	0.0050 U	--	0.0050 U	0.0058

Gude Landfill
Monitoring Location OB07 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	33.300	0.072	0.0005	0.0050 U	3.54	0.0071	0.0050 U	19.5	0.0050 U	--	0.0050 U	0.0062
3/27/13	33.900	0.083	0.0004	0.0050 U	4.66	0.0087	0.0050 U	22.9	0.0050 U	--	0.0050 U	0.0075
9/11/13	37.700	0.042	0.0004	0.0069	3.47	0.0064	0.0050 U	20.8	0.0050 U	--	0.0050 U	0.0054
3/24/14	40.300	0.039	0.0005	0.0050 U	3.30	0.0063	0.0050 U	22.1	0.0050 U	--	0.0050 U	0.0050 U
9/2/14	39.900	0.039	0.0005	0.0050 U	3.45	0.0084	0.0050 U	22.6	0.0050 U	--	0.0050 U	0.0086
3/17/15	36.000	0.150	0.0003	0.0054 J	3.70	0.0085 J	0.0100 U	21.0	0.0020 U	--	0.0100 U	0.0087 J
9/9/15	38.000	0.057	0.0004	0.0100 U	3.80	0.0120	0.0010 U	22.0	0.0010 U	--	0.0050 U	0.0050 U
3/17/16	39.600	0.077	0.0002	0.0020	3.24	0.0074	0.0001 U	22.2	0.0010 U	--	0.0020 U	0.0020 U
8/31/16	38.800	0.101	0.0002	0.0023	3.27	0.0076	0.0020 U	21.9	0.0010 U	--	0.0020 U	0.0022
3/7/17	38.700	0.126	0.0002 U	0.0059	3.22	0.0131	0.0050 U	22.0	0.0050 U	--	0.0050 U	0.0050
9/11/17	39.500	0.127	0.0002 U	0.0050 U	3.33	0.0051	0.0050 U	22.4	0.0050 U	--	0.0050 U	0.0324
4/4/18	36.200	0.114	0.0002	0.0050 U	3.39	0.0080	0.0050 U	20.7	0.0050 U	--	0.0050 U	0.0188
9/4/18	43.300	0.072	0.0003	0.0067	3.53	0.0177	0.0050 U	22.9	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	50.800	0.154	0.0001 U	0.0012	4.77	0.0010 U	0.0010 U	26.5	0.0010 U	--	0.0010 U	0.0040 U
7/30/19	47.000	0.135	0.0001	0.0017	4.62	0.0010 U	0.0010 U	25.7 B	0.0010 U	--	0.0010 U	0.0044
3/2/20	46.800	0.101	0.0002	0.0018	3.67	0.0010 U	0.0010 U	24.8	0.0010 U	--	0.0010	0.0040 U

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	1.00 U	1.00 U	1.00 U	0.22 U	0.19 U	1.00 U	1.00 U	8.99	1.00 U	1.12	3.05	1.00 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1.00 U	0.22 U	5.58	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.50 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location OB07 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	19.00	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	5.30
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	1.04	1.00 U	10.00 U	0.11 U	--	1.00 U	1.00 U	0.14 U	--	1.00 U	--	--	--	1.00 U	1.00 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.09	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/24/04	1.00 U	0.19 U	10.00 U	0.11 U	4.21	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	3.62	0.37 U	1.00 U	0.29 U	--	1.00 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	2.33	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.51 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	1.00 U	1.00 U	1.00 U
7/26/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	7.90	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.60	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/2/03	0.18 U	1.00 U	1.00 U	0.38 U	1.00 U	1.00 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	1.00 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/24/04	0.18 U	0.14 U	1.00 U	2.13	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	4.62	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.81	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.81	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.35	0.12 U	0.13 U	0.50 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.45	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.63	1.00 U	1.00 U	0.38 J	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	1.38 J	--	1.48 J	2.00 U	2.00 U	0.99 J	--	2.00 U

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.66	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.67	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.53	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.64	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.83	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.50	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.59	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.34	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.28	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.57	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.70	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	2.30	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.70	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

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Monitoring Location OB07 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.52	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.74	0.17 U	--	--	0.22 U	0.21 U	2.16	1.10	1.00 U	1.61	1.50	1.00 U	1.00 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/24/04	--	0.30 U	1.00 U	1.00 U	--	--	0.22 U	0.21 U	1.30	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	1.00 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB07 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.00 U	1.67	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/4/01	1.00 U	1.42	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/12/02	1.54	2.09	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	1.11	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/2/03	2.28	2.62	--	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
10/8/03	0.17 U	1.00 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.06	--
3/24/04	1.00 U	1.43	--	1.00 U	0.13 U	1.00 U	1.00 U	1.00 U	--	0.22	--
9/21/04	1.00 U	1.88	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	1.00 U	1.14	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	1.68	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/25/08	0.60	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	1.01	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
3/10/09	1.30	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
9/21/09	0.99 J	1.00 U	--	1.00 U	1.00 U	1.00 U	0.53 J	1.00 U	--	1.00 U	--
7/26/10	1.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	1.61 J	2.00 U	--	2.00 U	2.00 U	2.00 U	0.72 J	2.00 U	2 U	2.00 U	--

Gude Landfill Monitoring Location OB07 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	23.00	1.00 U	--	1.00 U	1.00 U	5.00 U	23.00	1.00 U	1 U	1.00 U	1 U
3/6/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	1.52	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.19	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.20	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.14	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.07	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.10	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB07A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	94.1521	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	87.0069	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	96.7173	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	89.1421	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	102.9520	0.002 U	--	--	--	--	--	--	--	--	0.016
10/8/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
3/24/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.043
4/6/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.041
4/5/06	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.024
9/26/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.038
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.048
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.049
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	124.0	0.20 U	17.8	235.0000	--	--	420.0	0.8907	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	115.0	0.20 U	9.7 J	205.0000	--	--	350.0	0.9000	1	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	112.0	0.20 U	16.5	216.0000	--	--	390.0	0.9020	1	0.05 U	--	--	--	--
9/7/11	115.0	0.20 U	10.0	246.0000	--	--	424.0	0.8910	1	0.05 U	--	--	--	--
3/6/12	122.0	0.20 U	16.9	244.0000	--	--	408.0	0.9700	1	0.05 U	--	--	--	--
9/11/12	119.0	0.20 U	15.0	265.0000	--	--	436.0	0.9700	1	0.05 U	--	--	--	--
3/27/13	112.0	0.20 U	17.3	255.0000	--	0	420.0	1.0000	1	0.05 U	418	6.05	--	--
9/11/13	120.0	0.20 U	12.8	268.0000	--	0	448.0	1.0000	1	0.05 U	352	5.70	--	--
3/24/14	118.0	0.20 U	18.2	260.0000	--	0	450.0	0.9700	--	--	439	5.94	--	--
9/2/14	114.0	0.20 U	21.3	240.0000	--	2	416.0	0.9420	1	0.05 U	355	6.05	--	--
3/17/15	119.0	0.20 U	16.6	254.0000	--	0	434.0	1.0100	1	0.05 U	361	6.34	--	--
9/9/15	120.0	0.20 U	20.2	272.0000	--	1	436.0	1.0300	1	0.05 U	315	5.77	--	--
3/17/16	70.0	0.20 U	10.0 U	136.0000	--	3	252.0	0.3640	0	0.05 U	363	6.04	--	--
8/31/16	77.0	0.20 U	10.0 U	132.0000	--	2	226.0	0.3430	0	0.05 U	377	5.95	--	--
3/7/17	153.0	0.20 U	20.3	298.0000	--	--	240.0	0.9337	1	0.06	412	5.81	--	--
9/11/17	139.0	0.20 U	17.8	282.0000	--	0	532.0	0.9620	1	0.06	423	5.95	--	--
4/4/18	101.0	0.20 U	14.7	205.0000	--	--	350.0	0.5700	1	0.05 U	227	5.88	--	--
9/4/18	74.5	0.20 U	10.5	151.0000	--	--	253.0	0.4350	0	0.05 U	224	5.77	--	--
4/8/19	122.0	0.10 U	25.2	239.0000	--	2	--	0.2000 U	--	--	180	5.69	5.98	--
7/30/19	110.0	0.10 U	20.6	210.0000	--	1	--	1.5000	--	--	200	5.71	5.99	--
3/2/20	98.2	0.10 U	18.3	189.0000	--	3	--	1.4700	--	--	223	5.85	6.15	--

Gude Landfill
Monitoring Location OB07A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.3	--
9/4/01	--	--	--	--	--	--	--	--	1.0	--
3/12/02	--	--	--	--	--	--	--	--	1.3	--
9/16/02	--	--	--	--	--	--	--	--	2.4	--
6/2/03	--	--	--	--	--	--	0	--	5.2	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	22.4	--	--	784	--	--	0.3	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	21.6	--	--	1176	--	--	1.6	--

Gude Landfill
Monitoring Location OB07A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	22.6 J	--	--	796	--	--	0.6	--
9/7/11	--	--	28.0	--	--	872	--	--	--	--
3/6/12	--	--	24.3	--	--	748	--	--	--	--
9/11/12	--	--	24.6	--	--	856	--	--	--	--
3/27/13	1	--	27.5	--	12.3	718	--	--	--	0.0
9/11/13	1016	--	31.0	--	14.4	774	--	--	--	0.8
3/24/14	997	--	30.6	--	12.1	590	--	--	--	1.0
9/2/14	909	--	28.4	--	14.2	752	--	--	--	0.0
3/17/15	857	--	29.7	--	15.2	606	--	--	--	0.0
9/9/15	1014	--	35.5	--	13.6	583	--	--	--	0.0
3/17/16	515	--	5.7	--	10.4	422	--	--	--	2.5
8/31/16	546	--	5.2	--	21.8	428	--	--	--	0.0
3/7/17	1129	--	42.4	--	12.8	624	--	--	--	0.0
9/11/17	1255	--	48.0	--	13.6	837	--	--	--	0.9
4/4/18	626	--	20.7	--	12.6	464	--	--	--	2.1
9/4/18	625	--	5.9	--	20.9	377	--	--	--	0.0
4/8/19	542	1050	40.7	--	12.8	771	--	2.6 U	1.1	2.3
7/30/19	526	938	31.5	--	13.5	775	--	2.3 U	0.6	0.0
3/2/20	557	817	20.9	--	12.6	539	--	2.5 U	0.5 U	0.0

Gude Landfill
Monitoring Location OB07A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.039	0.005 U	0.005 U	73.1	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	40.7	0.051	0.0002
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.041	0.005 U	0.005 U	88.8	0.01 U	0.01 U	0.006	0.4	0.005 U	52.0	0.049	0.0004
9/11/12	0.005 U	0.005 U	0.048	0.010 U	0.005 U	94.5	0.01 U	0.01 U	0.005 U	0.5	0.005 U	53.3	0.069	0.0008
3/27/13	0.005 U	0.005 U	0.045	0.005 U	0.005 U	92.6	0.01 U	0.01 U	0.011	0.6	0.005 U	50.2	0.061	0.0005
9/11/13	0.005 U	0.005 U	0.045	0.005 U	0.005 U	93.0	0.01 U	0.01 U	0.005 U	0.4	0.005 U	53.2	0.059	0.0006
3/24/14	0.005 U	0.005 U	0.047	0.005 U	0.005 U	105.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	59.3	0.055	0.0006
9/2/14	0.005 U	0.005 U	0.046	0.005 U	0.005 U	83.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	47.7	0.055	0.0005
3/17/15	0.002 U	0.003	0.039	0.002 U	0.004 U	86.0	0.01 U	0.01 U	0.001 J	0.0 U	0.002 U	51.0	0.031	0.0007
9/9/15	0.001 U	0.001 U	0.040	0.001 U	0.001 U	94.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	55.0	0.054	0.0008
3/17/16	0.002 U	0.002 U	0.040	0.002 U	0.002 U	56.6	0.00 U	0.00 U	0.002 U	0.3	0.002 U	26.9	0.119	0.0002 U
8/31/16	0.002 U	0.002 U	0.043	0.002 U	0.002 U	49.8	0.00 U	0.00 U	0.002 U	0.3	0.002 U	21.8	0.153	0.0002 U
3/7/17	0.002 U	0.003	0.052	0.002 U	0.002 U	113.0	0.00	0.00 U	0.003	0.6	0.002 U	63.8	0.067	0.0002 U
9/11/17	0.002 U	0.002 U	0.052	0.002 U	0.002 U	113.0	0.00	0.00 U	0.002 U	0.6	0.002 U	63.1	0.069	0.0002 U
4/4/18	0.002 U	0.005	0.054	0.002 U	0.002 U	111.0	0.01	0.00 U	0.003	0.1 U	0.002 U	59.3	0.096	0.0002 U
9/4/18	0.002 U	0.002	0.043	0.002 U	0.002 U	60.3	0.00	0.00 U	0.002 U	0.1 U	0.002 U	24.6	0.176	0.0002 U

Gude Landfill

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Monitoring Location OB07A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	2.4	0.009	0.01 U	21.9	0.005 U	0.01 U	0.005 U
9/7/11	0.01 U	--	--	--	--	--	--	--
3/6/12	0.01 U	2.4	0.007	0.01 U	31.4	0.005 U	0.01 U	0.005 U
9/11/12	0.01	2.7	0.011	0.01 U	25.9	0.005 U	0.01 U	0.005 U
3/27/13	0.01 U	3.3	0.010	0.01 U	28.1	0.005 U	0.01 U	0.005 U
9/11/13	0.01	2.4	0.010	0.01 U	25.2	0.005 U	0.01 U	0.005 U
3/24/14	0.01 U	2.5	0.008	0.01 U	29.1	0.005 U	0.01 U	0.005 U
9/2/14	0.01 U	2.2	0.010	0.01 U	25.3	0.005 U	0.01 U	0.008
3/17/15	0.01 J	2.3	0.011 J	0.01 U	24.0	0.002 U	0.01 U	0.010 U
9/9/15	0.00 J	2.5	0.009	0.00 U	27.0	0.001 U	0.01 U	--
3/17/16	0.01	2.7	0.005	0.00 U	17.3	0.001 U	0.00 U	0.004
8/31/16	0.01	3.0	0.006	0.00 U	16.3	0.001 U	0.00 U	0.005
3/7/17	0.01	2.4	0.017	0.00 U	30.4	0.001 U	0.00	0.003
9/11/17	0.00	2.5	0.008	0.00 U	29.6	0.001 U	0.00 U	0.002 U
4/4/18	0.01	2.6	0.014	0.00 U	26.9	0.001 U	0.00 U	0.009
9/4/18	0.01	3.0	0.009	0.00 U	17.1	0.001 U	0.00 U	0.006

Gude Landfill
Monitoring Location OB07A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0340	0.0005 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0183	--	0.0020 U
9/4/01	0.0020 U	0.0007 U	0.0482	0.0017 U	--	0.0020 U	--	0.0020 U	0.0029	0.0149	--	0.0024
3/12/02	0.0005 U	0.0020 U	0.0415	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0099	--	0.0020 U
9/16/02	0.0007 U	0.0036	0.0377	0.0004 U	--	0.0020 U	--	0.0074	0.0041	0.0152	--	0.0020 U
6/2/03	0.0007 U	0.0020 U	0.0438	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0086	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0469	0.0016 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0008 U	0.0439	0.0016 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0006 U	0.0248	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0153	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0529	0.0012 U	--	0.0003 U	--	0.0020 U	0.0005 U	0.0138	--	0.0006 U
9/21/05	0.0028 U	0.0006 U	0.0270	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0129	--	0.0020 U
4/5/06	0.0006 U	0.0020 U	0.0616	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0114	--	0.0027
9/26/06	0.0007 U	0.0008 U	0.0265	0.0009 U	--	0.0006 U	--	0.0007 U	0.0005 U	0.0051	--	0.0007 U
4/18/07	0.0007 U	0.0008 U	0.0313	0.0009 U	0.020 U	--	--	0.0007 U	0.0005 U	0.0055	--	0.0007 U
10/2/07	0.0020 U	0.0020 U	0.0506	0.0009 U	0.020 U	--	--	0.0020 U	0.0025	0.0113	--	0.0020 U
3/25/08	0.0005 U	0.0020 U	0.0643	0.0010 U	0.020 U	--	--	0.0020 U	0.0027	0.0092	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.0864	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0116	--	0.0040 U
3/10/09	0.0010 U	0.0010 U	0.0419	0.0024 U	0.050 U	--	--	0.0013 U	0.0014 U	0.0200 U	--	0.0007 U
9/21/09	0.0020 U	0.0020 U	0.0431	0.0020 U	--	0.0020 U	91.8	0.0020 U	0.0005 U	0.0058	0.2	0.0020 U
7/26/10	0.0010 U	0.0010 U	0.0310	0.0010 U	--	0.0010 U	--	0.0010	0.0015	0.0029	--	0.0010 U
9/20/10	0.0050 U	0.0050 U	0.0370	0.0050 U	--	0.0050 U	72.0	0.0050 U	0.0050 U	0.0078	0.5	0.0050 U
4/19/11	0.0050 U	0.0050 U	0.0401	0.0050 U	--	0.0050 U	86.5	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U
9/7/11	0.0050 U	0.0050 U	0.0432	0.0050 U	--	0.0050 U	90.0	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.0405	0.0050 U	--	0.0050 U	82.9	0.0050 U	0.0050 U	0.0059	0.5	0.0050 U

Gude Landfill
Monitoring Location OB07A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.0485	0.0050 U	--	0.0050 U	94.3	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.0450	0.0050 U	--	0.0050 U	87.3	0.0050 U	0.0050 U	0.0116	0.6	0.0050 U
9/11/13	0.0050 U	0.0050 U	0.0455	0.0050 U	--	0.0050 U	93.6	0.0050 U	0.0050 U	0.0055	0.4	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.0458	0.0050 U	--	0.0050 U	93.5	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.0463	0.0050 U	--	0.0050 U	80.2	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/17/15	0.0020 U	0.0028	0.0430	0.0020 U	--	0.0040 U	87.0	0.0033 J	0.0100 U	0.0020 J	0.0 U	0.0020 U
9/9/15	0.0010 U	0.0036	0.0390	0.0010 U	--	0.0005 U	92.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/17/16	0.0020 U	0.0020 U	0.0401	0.0020 U	--	0.0020 U	50.1	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U
8/31/16	0.0020 U	0.0020 U	0.0410	0.0020 U	--	0.0020 U	49.0	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U
3/7/17	0.0020 U	0.0028	0.0523	0.0020 U	--	0.0020 U	109.0	0.0028	0.0020 U	0.0028	0.6	0.0020 U
9/11/17	0.0020 U	0.0020 U	0.0535	0.0020 U	--	0.0020 U	114.0	0.0020 U	0.0020 U	0.0020 J	0.6	0.0020 U
4/4/18	0.0020 U	0.0034	0.0543	0.0020 U	--	0.0020 U	77.5	0.0046	0.0020 U	0.0093	0.1	0.0020 U
9/4/18	0.0020 U	0.0020 U	0.0460	0.0020 U	--	0.0020 U	60.3	0.0021	0.0020 U	0.0020 U	0.1	0.0020 U
4/8/19	0.0010 U	0.0010 U	0.0438	0.0010 U	--	0.0010 U	73.2	0.0010 U	0.0010 U	0.0026	0.1 U	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.0410	0.0010 U	--	0.0010 U	63.7 B	0.0015	0.0011	0.0037	0.1 U	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.0464	0.0010 U	--	0.0010 U	78.6	0.0010 U	0.0011	0.0010 U	0.0 J	0.0010 U

Gude Landfill
Monitoring Location OB07A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.317	0.0017	0.0056	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.815	0.0023	0.0116	--	0.0022	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/12/02	--	0.275	0.0011	0.0100 U	--	0.0034	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	1.076	0.0025	0.0136	--	0.0103	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.170	0.0006	0.0068	--	0.0024	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.090	0.0003	0.0043	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/24/04	--	0.305	0.0004	0.0047	--	0.0020 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/21/04	--	0.044	0.0003	0.0024	--	0.0022	0.0018 U	--	0.0006 U	0.0003 U	0.0004 U	--
4/6/05	--	0.024	0.0003	0.0025	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	0.204	0.0005	0.0037	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.117	0.0002	0.0044	--	0.0042	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	--	0.069	0.0009	0.0023	--	0.0020	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	--	0.0007	0.0039	--	0.0034	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0065
10/2/07	--	--	0.0005	0.0059	--	0.0044	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0086
3/25/08	--	--	0.0005	0.0043	--	0.0032	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0004	0.0041	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/10/09	--	--	0.0009	0.0200 U	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0015 U	0.0100 U
9/21/09	51.200	0.059	0.0010	0.0060	2.66	0.0083	0.0020 U	30.2	0.0020 U	--	0.0020 U	0.0100 U
7/26/10	--	--	0.0012	0.0036	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/20/10	41.600	0.095	0.0005	0.0050 U	2.56	0.0064	0.0050 U	26.1	0.0050 U	--	0.0050 U	0.0079
4/19/11	49.300 J	0.070	0.0008	0.0050 U	2.30	0.0095	0.0050 U	25.6 J	0.0050 U	--	0.0050 U	0.0052
9/7/11	52.500	0.072	0.0006	--	2.44	0.0094	0.0050 U	26.3	0.0050 U	--	0.0050 U	0.0050 U
3/6/12	48.300	0.068	0.0011	0.0050 U	2.45	0.0059	0.0050 U	28.6	0.0050 U	--	0.0050 U	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	50.200	0.089	0.0012	0.0050 U	2.80	0.0084	0.0050 U	24.8	0.0050 U	--	0.0050 U	0.0057
3/27/13	48.900	0.075	0.0007	0.0050 U	3.12	0.0087	0.0050 U	27.1	0.0050 U	--	0.0050 U	0.0050 U
9/11/13	51.900	0.070	0.0007	0.0102	2.55	0.0089	0.0050 U	24.9	0.0050 U	--	0.0050 U	0.0066
3/24/14	52.900	0.067	0.0008	0.0050 U	2.45	0.0069	0.0050 U	26.1	0.0050 U	--	0.0050 U	0.0050 U
9/2/14	46.000	0.076	0.0007	0.0050 U	2.25	0.0093	0.0050 U	24.2	0.0050 U	--	0.0050 U	0.0083
3/17/15	50.000	0.094	0.0010	0.0090 J	2.40	0.0110 J	0.0100 U	24.0	0.0020 U	--	0.0100 U	0.0100 U
9/9/15	53.000	0.052	0.0008	0.0100 U	2.50	0.0130	0.0010 U	27.0	0.0010 U	--	0.0050 U	0.0050 U
3/17/16	21.900	0.153	0.0002 U	0.0054	2.76	0.0045	0.0001 U	16.0	0.0010 U	--	0.0020 U	0.0052
8/31/16	22.200	0.202	0.0002 U	0.0053	3.00	0.0046	0.0020 U	16.4	0.0010 U	--	0.0020 U	0.0052
3/7/17	60.000	0.086	0.0004	0.0072	2.40	0.0140	0.0020 U	28.9	0.0010 U	--	0.0024	0.0025
9/11/17	63.500	0.097	0.0005	0.0042	2.47	0.0082	0.0020 U	29.8	0.0010 U	--	0.0020 U	0.0023
4/4/18	37.900	0.236	0.0002	0.0080	3.32	0.0096	0.0020 U	22.7	0.0010 U	--	0.0020 U	0.0174
9/4/18	24.900	0.224	0.0002 U	0.0063	3.11	0.0061	0.0020 U	17.3	0.0010 U	--	0.0020 U	0.0082
4/8/19	55.500	0.072	0.0009	0.0031	2.32	0.0010 U	0.0010 U	28.5	0.0010 U	--	0.0010 U	0.0040 U
7/30/19	38.700	0.128	0.0004	0.0042	2.46	0.0010 U	0.0010 U	22.2 B	0.0010 U	--	0.0010 U	0.0079
3/2/20	51.300	0.142	0.0007	0.0040	2.69	0.0010 U	0.0010 U	26.9	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,1,2-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	2.31	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.82	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	1.00 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.27	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	0.22	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	0.82	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.78 J	1.00 U	0.32 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	1.00 U	1.00 U	1.00 U
7/26/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	2.18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.40	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB07A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.46	0.19 U	0.17 U	1.00 U	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.50	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	3.43	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.06	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.56	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.66	0.19 U	0.17 U	1.00 U	--	0.26 U
3/24/04	0.18 U	0.14 U	1.00 U	1.06	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	1.67	0.19 U	0.17 U	1.00 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	8.93	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.25	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.01	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.45	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.05	0.29 U	0.27 U	1.00 U	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.60	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.02	0.29 U	0.27 U	1.00 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.02	0.29 U	0.27 U	1.00 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	2.09	0.13 U	0.15 U	0.50 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.85	0.12 U	0.13 U	0.50 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	3.51	0.12 U	0.13 U	0.51	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.00	1.00 U	1.00 U	0.59 J	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	1.20 J	--	1.80 J	2.00 U	2.00 U	1.07 J	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.18	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.58	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.17	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.55	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.74	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.73	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.37	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.02	1.0 U	1.00 U	1.00 U	--	2.28	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.89	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.50	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.29	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.50	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.90	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.30	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB07A - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.89	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/24/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.69	0.50 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	0.52 J	0.42 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	5.80	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB07A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	2.28	0.24 U	--	0.22 U	0.13 U	0.14 U	1.02	0.18 U	--	--	--
9/4/01	3.36	0.24 U	--	0.22 U	0.13 U	0.14 U	1.24	1.00 U	--	--	--
3/12/02	4.64	0.24 U	--	0.22 U	0.13 U	0.14 U	1.61	1.00 U	--	--	--
9/16/02	1.95	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
6/2/03	3.49	0.24 U	--	0.22 U	0.13 U	0.14 U	1.09	1.00 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.22	1.00 U	--	0.07	--
3/24/04	1.23	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	1.00 U	--	0.11	--
9/21/04	1.41	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/6/05	1.75	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/21/05	1.15	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/06	1.41	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/26/06	2.56	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	1.59	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
10/2/07	1.46	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/25/08	1.91	0.28 U	0	0.22 U	0.08 U	--	0.59	0.50 U	--	0.22 U	--
9/23/08	2.12	0.12 U	0	0.14 U	0.13 U	--	0.63	0.10 U	--	0.18 U	--
3/10/09	2.66	0.12 U	0	0.14 U	0.13 U	--	0.93	0.50 U	--	0.18 U	--
9/21/09	1.81	1.00 U	--	1.00 U	1.00 U	1.00 U	0.87 J	1.00 U	--	1.00 U	--
7/26/10	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	0.80 J	1.00 U	1 U	1.00 U	--
9/20/10	1.82 J	2.00 U	--	2.00 U	2.00 U	2.00 U	0.88 J	2.00 U	2 U	2.00 U	--

Gude Landfill

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Monitoring Location OB07A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	23.00	1.00 U	--	1.00 U	1.00 U	5.00 U	21.00	1.00 U	1 U	1.00 U	1 U
3/6/12	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	2.06	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.99	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.83	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.40	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.20	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.43	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.34	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.45	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.32	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.08	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.26	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.05	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.20	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB08 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/27/01	--	--	--	39.2477	0.001 U	--	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	36.3369	0.003	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	38.7967	0.004	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	133.3280	0.001 U	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	39.7258	0.002 U	--	--	--	--	--	--	--	--	0.012	--
3/25/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.015	--
4/6/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.003 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012	--
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.010	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.012	--
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.020	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	229.0	0.20 U	10.0 U	34.7000	--	--	228.0	0.2000 U	--	--	--	--	--	--	--
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	248.0	0.20 U	10.0 U	32.8000	--	--	300.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/21/11	230.0	0.20 U	10.0 U	34.2000	--	--	265.0	0.2000 U	0 U	0.05 U	--	--	--	--	--

Gude Landfill
Monitoring Location OB08 - General Parameters

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	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/6/11	230.0	0.20 U	10.0 U	46.1000	--	--	144.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	239.0	0.20 U	9.9	42.8000	--	--	236.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	223.0	0.20 U	10.0 U	47.4000	--	--	234.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	224.0	0.20 U	10.0 U	45.5000	--	0	232.0	0.2000 U	0 U	0.05 U	268	6.54	--	--	604
9/16/13	219.0	0.20 U	10.0 U	47.7000	--	0	230.0	0.2000 U	0 U	0.05 U	272	6.18	--	--	517
3/11/14	219.0	0.20 U	10.0 U	44.7000	--	0	232.0	0.2000 U	--	--	264	6.18	--	--	500
9/3/14	227.0	0.20 U	10.0 U	39.5000	--	2	236.0	0.2000 U	0 U	0.05 U	248	6.62	--	--	491
3/23/15	215.0	0.20 U	10.0 U	37.5000	--	0	220.0	0.2000 U	0 U	0.05 U	89	7.07	--	--	407
9/2/15	213.0	0.39	10.0 U	39.7000	--	--	222.0	0.2000 U	0 U	0.05 U	68	6.49	--	--	507
3/22/16	196.0	0.20 U	10.0 U	42.4000	--	0	206.0	0.2000 U	0 U	0.05 U	230	6.56	--	--	450
9/1/16	218.0	0.20 U	10.0 U	48.5000	--	--	240.0	0.2000 U	0 U	0.05 U	204	6.29	--	--	505
3/9/17	205.0	0.20 U	10.0 U	52.2000	--	--	140.0	0.2000 U	0 U	0.05 U	245	6.47	--	--	479
9/14/17	197.0	0.20 U	10.0 U	55.5000	--	0	236.0	0.2000 U	0 U	0.05 U	285	6.57	--	--	483
4/2/18	193.0	0.20 U	10.0 U	62.7000	--	--	61.2	0.2000 U	0 U	0.05 U	75	6.50	--	--	502
9/5/18	193.0	0.20 U	10.0 U	60.6000	--	--	242.0	0.2000 U	0 U	0.05 U	106	6.48	--	--	532
4/11/19	225.0	0.10 U	4.0	41.5000	--	0	--	0.2000 U	--	--	68	6.46	6.53	--	662
7/31/19	223.0	0.10 U	7.6	44.3000	--	0	--	0.2000 U	--	--	200	6.33	6.57	--	488
3/4/20	224.0	0.10 U	4.9	54.0000	--	0	--	0.3600	--	--	23	6.36	6.49	--	520

Gude Landfill
Monitoring Location OB08 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/27/01	--	--	--	--	--	--	--	0.2	--
9/4/01	--	--	--	--	--	--	--	1.5	--
3/13/02	--	--	--	--	--	--	--	1.4	--
9/16/02	--	--	--	--	--	--	--	8.1	--
6/3/03	--	--	--	--	--	0 U	--	22.3	--
3/25/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	7.5	--	--	284	--	--	0.3	--
7/27/10	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	4.8	--	--	384	--	--	0.5	--
4/21/11	--	4.0 U	--	--	280	--	--	0.7	--

Gude Landfill
Monitoring Location OB08 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/6/11	--	4.0 U	--	--	344	--	--	--	--
3/12/12	--	4.8	--	--	348	--	--	--	--
9/10/12	--	4.1	--	--	352	--	--	--	--
3/21/13	--	5.3	--	13.7	270	--	--	--	0.0
9/16/13	--	5.7	--	14.6	392	--	--	--	0.0
3/11/14	--	5.8	--	14.2	322	--	--	--	1.1
9/3/14	--	4.3	--	15.0	322	--	--	--	2.1
3/23/15	--	7.7	--	9.9	352	--	--	--	0.0
9/2/15	--	6.7	--	19.3	209	--	--	--	0.1
3/22/16	--	9.5	--	14.1	264	--	--	--	0.0
9/1/16	--	7.2	--	15.2	308	--	--	--	0.0
3/9/17	--	7.8	--	14.0	224	--	--	--	0.0
9/14/17	--	8.8	--	16.5	320	--	--	--	0.1
4/2/18	--	10.8	--	13.4	343	--	--	--	0.3
9/5/18	--	10.0	--	15.5	324	--	--	--	0.9
4/11/19	549	6.1	--	13.7	328	--	2.6 U	0.5 U	1.1
7/31/19	544	5.8	--	15.8	326	--	2.3 U	0.5 U	0.0
3/4/20	572	5.9	--	14.4	332	--	4.3	0.7	0.0

Gude Landfill
Monitoring Location OB08 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.119	0.005 U	0.005 U	63.1	0.01 U	0.01	0.005 U	0.7	0.005 U	15.4	6.750	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.127	0.005 U	0.005 U	65.0	0.01 U	0.01	0.005 U	0.7	0.005 U	16.8	7.290	0.0002 U
9/10/12	0.005 U	0.005 U	0.128	0.010 U	0.005 U	66.1	0.01 U	0.01	0.005 U	0.7	0.005 U	18.0	6.820	0.0002 U
3/21/13	0.005 U	0.005 U	0.134	0.005 U	0.005 U	66.2	0.01 U	0.01	0.005 U	0.7	0.005 U	16.1	6.600	0.0002 U
9/16/13	0.005 U	0.005 U	0.124	0.005 U	0.005 U	66.7	0.01 U	0.01	0.005 U	0.7	0.005 U	16.9	6.110	0.0002 U
3/11/14	0.005 U	0.005 U	0.068	0.005 U	0.005 U	49.3	0.01 U	0.02	0.005 U	3.3	0.005 U	18.9	6.890	0.0002 U
9/3/14	0.005 U	0.005 U	0.127	0.005 U	0.005 U	58.7	0.01 U	0.01	0.005 U	0.7	0.005 U	15.6	6.500	0.0002 U
3/23/15	0.002 U	0.002 U	0.140	0.002 U	0.004 U	64.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	14.0	5.200	0.0002 U
9/2/15	0.001 U	0.001 U	0.140	0.001 U	0.001 U	64.0	0.01 U	0.01 U	0.005 U	0.0	0.001 U	13.0	4.900	0.0002 U
3/22/16	0.002 U	0.002 U	0.139	0.002 U	0.002 U	57.9	0.00 U	0.00	0.002 U	0.4	0.002 U	12.9	4.840	0.0002 U
9/1/16	0.002 U	0.002 U	0.149	0.002 U	0.002 U	66.5	0.00	0.01	0.002 U	0.5	0.002 U	14.6	5.390	0.0002 U
3/9/17	0.002 U	0.002 U	0.138	0.002 U	0.002 U	63.5	0.00 U	0.01	0.002 U	0.4	0.002 U	14.6	4.740	0.0002 U
9/14/17	0.002 U	0.002 U	0.143	0.002 U	0.002 U	62.6	0.00	0.00	0.002 U	0.4	0.002 U	14.2	4.840	0.0002 U
4/2/18	0.002 U	0.002 U	0.134	0.002 U	0.002 U	70.2	0.01	0.00	0.002 U	0.1	0.002 U	14.3	5.010	0.0002 U
9/5/18	0.002 U	0.002 U	0.131	0.002 U	0.002 U	71.4	0.00	0.00	0.002 U	0.1	0.002 U	15.0	4.930	0.0002 U

Gude Landfill

Monitoring Location OB08 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	2.4	0.005 U	0.01 U	26.7	0.005 U	0.01 U	0.007
9/6/11	0.01	--	--	--	--	--	--	--
3/12/12	0.01	2.8	0.005 U	0.01 U	27.0	0.005 U	0.01 U	0.005 U
9/10/12	0.01	3.0	0.005 U	0.01 U	27.2	0.005 U	0.01 U	0.005
3/21/13	0.01	3.0	0.005 U	0.01 U	26.3	0.005 U	0.01 U	0.006
9/16/13	0.01	2.8	0.005 U	0.01 U	27.2	0.005 U	0.01 U	0.005 U
3/11/14	0.01	2.8	0.005 U	0.01 U	26.6	0.005 U	0.01 U	0.006
9/3/14	0.01	2.7	0.005 U	0.01 U	25.0	0.005 U	0.01 U	0.008
3/23/15	0.01 J	2.8	0.035 U	0.01 U	25.0	0.002 U	0.01 U	0.005 J
9/2/15	0.01 U	2.7	0.005 U	0.00 U	24.0	0.001 U	0.01 U	0.005 U
3/22/16	0.01	2.3	0.002 U	0.00 U	22.3	0.001 U	0.00 U	0.002 U
9/1/16	0.01	2.5	0.002 U	0.00 U	23.8	0.001 U	0.00 U	0.002 U
3/9/17	0.01	2.5	0.002 U	0.00 U	23.9	0.001 U	0.00 U	0.002 U
9/14/17	0.01	2.4	0.002 U	0.00 U	23.0	0.001 U	0.00 U	0.002
4/2/18	0.01	2.6	0.002	0.00 U	23.6	0.001 U	0.00 U	0.002
9/5/18	0.01	2.6	0.002 U	0.00 U	23.9	0.001 U	0.00 U	0.003

Gude Landfill
Monitoring Location OB08 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/27/01	0.0020 U	0.0020 U	0.0361	0.0005 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0176	--	0.0020 U	--
9/4/01	0.0020 U	0.0007 U	0.0287	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0102	--	0.0022	--
3/13/02	0.0005 U	0.0020 U	0.0192	0.0017 U	--	0.0020 U	--	0.0012 U	0.0004 U	0.0089	--	0.0020 U	--
9/16/02	0.0007 U	0.0027	0.0211	0.0004 U	--	0.0041	--	0.0040	0.0029	0.0099	--	0.0032	--
6/3/03	0.0007 U	0.0020 U	0.0327	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0204	--	0.0020 U	--
3/25/04	0.0009 U	0.0008 U	0.0158	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0100 U	--	0.0020 U	--
9/20/04	0.0028 U	0.0006 U	0.0137	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0126	--	0.0020 U	--
4/6/05	0.0028 U	0.0020 U	0.0102	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0107	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0159	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0172	--	0.0021	--
4/4/06	0.0006 U	0.0006 U	0.0114	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0073	--	0.0020 U	--
9/25/06	0.0007 U	0.0020 U	0.1281	0.0009 U	--	0.0006 U	--	0.0007 U	0.0084	0.0062	--	0.0007 U	--
4/17/07	0.0007 U	0.0020 U	0.1163	0.0009 U	0.020 U	--	--	0.0007 U	0.0078	0.0060	--	0.0007 U	--
10/2/07	0.0007 U	0.0020 U	0.1146	0.0009 U	0.020 U	--	--	0.0007 U	0.0069	0.0061	--	0.0007 U	--
3/26/08	0.0005 U	0.0006 U	0.0822	0.0010 U	0.020 U	--	--	0.0020 U	0.0034	0.0045	--	0.0020 U	--
9/24/08	0.0010 U	0.0012 U	0.0288	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0080	--	0.0020 U	--
3/9/09	0.0010 U	0.0010 U	0.1309	0.0012 U	0.050 U	--	--	0.0007 U	0.0100 U	0.0100 U	--	0.0007 U	--
9/21/09	0.0020 U	0.0020 U	0.1370	0.0020 U	--	0.0020 U	63.5	0.0020 U	0.0052	0.0043	0.3	0.0020 U	12.900
7/27/10	0.0010 U	0.0019	0.1200	0.0010 U	--	0.0010 U	--	0.0006 J	0.0081	0.0017	--	0.0010 U	--
9/20/10	0.0050 U	0.0050 U	0.1180	0.0050 U	--	0.0050 U	65.9	0.0050 U	0.0064	0.0060	0.6	0.0050 U	14.900
4/21/11	0.0050 U	0.0050 U	0.1160	0.0050 U	--	0.0050 U	62.7	0.0050 U	0.0070	0.0060	0.7	0.0050 U	17.000 J
9/6/11	0.0050 U	0.0050 U	0.1280	0.0050 U	--	0.0050 U	67.1	0.0050 U	0.0080	0.0050 U	0.8	0.0050 U	16.800
3/12/12	0.0050 U	0.0050 U	0.1290	0.0050 U	--	0.0050 U	70.8	0.0050 U	0.0079	0.0050 U	0.7	0.0050 U	17.700
9/10/12	0.0050 U	0.0050 U	0.1290	0.0100 U	--	0.0050 U	68.2	0.0050 U	0.0084	0.0050 U	0.8	0.0050 U	17.000

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/21/13	0.0050 U	0.0050 U	0.1320	0.0050 U	--	0.0050 U	66.6	0.0050 U	0.0080	0.0050 U	0.6	0.0050 U	15.900
9/16/13	0.0050 U	0.0050 U	0.1260	0.0050 U	--	0.0050 U	65.3	0.0050 U	0.0065	0.0050 U	0.7	0.0050 U	16.500
3/11/14	0.0050 U	0.0050 U	0.1250	0.0050 U	--	0.0050 U	54.3	0.0050 U	0.0065	0.0050 U	0.7	0.0050 U	17.600
9/3/14	0.0050 U	0.0050 U	0.1320	0.0050 U	--	0.0050 U	57.1	0.0050 U	0.0069	0.0050 U	0.7	0.0050 U	15.100
3/23/15	0.0020 U	0.0020 U	0.1300	0.0020 U	--	0.0040 U	64.0	0.0100 U	0.0100 U	0.0100 U	0.0	0.0020 U	14.000
9/2/15	0.0010 U	0.0010 U	0.1300	0.0010 U	--	0.0005 U	64.0	0.0050 U	0.0050 U	0.0050 U	0.0	0.0010 U	13.000
3/22/16	0.0020 U	0.0020 U	0.1380	0.0020 U	--	0.0020 U	58.4	0.0020 U	0.0041	0.0020 U	0.5	0.0020 U	12.900
9/1/16	0.0020 U	0.0020 U	0.1460	0.0020 U	--	0.0020 U	64.6	0.0020 U	0.0057	0.0020 U	0.5	0.0020 U	14.700
3/9/17	0.0020 U	0.0020 U	0.1350	0.0020 U	--	0.0020 U	61.9	0.0023	0.0054	0.0030	0.4	0.0020 U	14.200
9/14/17	0.0020 U	0.0020 U	0.1450	0.0020 U	--	0.0020 U	62.8	0.0022	0.0040	0.0020 U	0.4	0.0020 U	13.900
4/2/18	0.0020 U	0.0020 U	0.1380	0.0020 U	--	0.0020 U	68.1	0.0032	0.0047	0.0020 U	0.1	0.0020 U	14.900
9/5/18	0.0020 U	0.0020 U	0.1300	0.0020 U	--	0.0020 U	72.5	0.0026	0.0048	0.0020 U	0.1	0.0020 U	14.800
4/11/19	0.0010 U	0.0010 U	0.1510	0.0010 U	--	0.0010 U	56.5 B	0.0010 U	0.0053	0.0010 U	0.1 U	0.0010 U	17.000
7/31/19	0.0010 U	0.0010 U	0.1520	0.0010 U	--	0.0010 U	55.3	0.0027	0.0057	0.0024	0.1	0.0010 U	15.700
3/4/20	0.0010 U	0.0010 U	0.1470	0.0010 U	--	0.0010 U	61.7	0.0010 U	0.0051	0.0010 U	0.1	0.0010 U	17.300

Gude Landfill
Monitoring Location OB08 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/27/01	5.080	0.0001 U	0.0052	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	2.500	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	0.383	0.0001 U	0.0030 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	0.554	0.0002	0.0149	--	0.0057	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/3/03	0.742	0.0002 U	0.0028	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
3/25/04	0.236	0.0002 U	0.0020 U	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/20/04	0.098	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0004 U	--
4/6/05	0.072	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	0.420	0.0001 U	0.0028	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	0.242	0.0001 U	0.0021	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	8.924	0.0002 U	0.0081	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	0.0002 U	0.0089	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0057
10/2/07	--	0.0002 U	0.0082	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0039
3/26/08	--	0.0002 U	0.0039	--	0.0020 U	0.0001 U	--	0.0010 U	0.0500 U	0.0020 U	0.0048
9/24/08	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	0.0002 U	0.0100 U	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0100 U
9/21/09	6.290	0.0002 U	0.0083	2.81	0.0020 U	0.0020 U	27.2	0.0020 U	--	0.0020 U	0.0100 U
7/27/10	--	0.0002 U	0.0071	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/20/10	7.180	0.0002 U	0.0083	2.63	0.0050 U	0.0050 U	28.0	0.0050 U	--	0.0050 U	0.0050 U
4/21/11	6.560	0.0002 U	0.0077	2.91	0.0050 U	0.0050 U	28.7 U	0.0050 U	--	0.0050 U	0.0077
9/6/11	7.228	0.0002 U	--	2.86	0.0050 U	0.0050 U	27.4	0.0050 U	--	0.0050 U	0.0066
3/12/12	6.840	0.0002 U	0.0082	2.85	0.0050 U	0.0050 U	28.0	0.0050 U	--	0.0050 U	0.0061
9/10/12	7.260	0.0002 U	0.0090	2.95	0.0050 U	0.0050 U	25.4	0.0050 U	--	0.0050 U	0.0062

Gude Landfill
Monitoring Location OB08 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/21/13	6.890	0.0002 U	0.0102	2.48	0.0050 U	0.0050 U	26.3	0.0050 U	--	0.0050 U	0.0057
9/16/13	6.000	0.0002 U	0.0077	2.71	0.0050 U	0.0050 U	26.4	0.0050 U	--	0.0050 U	0.0057
3/11/14	5.840	0.0002 U	0.0070	2.61	0.0050 U	0.0050 U	20.1	0.0050 U	--	0.0050 U	0.0067
9/3/14	6.260	0.0002 U	0.0089	2.70	0.0050 U	0.0050 U	24.0	0.0050 U	--	0.0050 U	0.0106
3/23/15	5.200	0.0002 U	0.0075 J	2.80	0.0350 U	0.0100 U	25.0	0.0020 U	--	0.0100 U	0.0059 J
9/2/15	5.000	0.0002 U	0.0100 U	2.70	0.0050 U	0.0010 U	24.0	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	4.890	0.0002 U	0.0054	2.33	0.0020 U	0.0020 U	22.2	0.0010 U	--	0.0020 U	0.0020 U
9/1/16	5.210	0.0002 U	0.0084	2.55	0.0020 U	0.0020 U	23.7	0.0010 U	--	0.0020 U	0.0021
3/9/17	5.150	0.0002 U	0.0078	2.62	0.0020 U	0.0020 U	23.5	0.0010 U	--	0.0020 U	0.0021
9/14/17	4.710	0.0002 U	0.0054	2.35	0.0020 U	0.0020 U	23.2	0.0010 U	--	0.0020 U	0.0024
4/2/18	5.050	0.0002 U	0.0067	2.64	0.0022	0.0020 U	24.1	0.0010 U	--	0.0020 U	0.0022
9/5/18	4.750	0.0002 U	0.0066	2.52	0.0020 U	0.0020 U	23.7	0.0010 U	--	0.0020 U	0.0025
4/11/19	7.650	0.0001 U	0.0067	2.72	0.0010 U	0.0010 U	25.4	0.0010 U	--	0.0010 U	0.0040 U
7/31/19	6.680	0.0001 U	0.0076	2.62	0.0010 U	0.0010 U	24.1	0.0010 U	--	0.0010 U	0.0040 U
3/4/20	6.050	0.0001 U	0.0064	2.73	0.0010 U	0.0010 U	23.5	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB08 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.12	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
9/16/02	0.18 U	1.00 U	1.00 U	0.22 U	16.91	1.00 U	1.00 U	2.72	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	1.00 U	2.50
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	--	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.78
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.23	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.59
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.67
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.85	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	1.24
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.16
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	0.87 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.78 J
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.20

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.60
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.54
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.65
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.49	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.60
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.20
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.02
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.24
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.26
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.39
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.10
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.19
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.16
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.20
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	1.00 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.21	1.00 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	--	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.09	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	0.67	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	0.14 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.71	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	2.15	1.00 U	0.71 J	1.00 U	1.00 U	1.00 U	1 U	2.70	--	1 U	--	0.71 J	1.00 U	1.00 U
7/27/10	--	1.00 U	3.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	0.80 J	--	1.00 U
9/20/10	2.00 U	2.00 U	1.84 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.50 U	--	2 U	--	0.66 J	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	4.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.59	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	3.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	3.52	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	2.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	2.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	2.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	3.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	2.62	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	2.59	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	2.70	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	2.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/4/20	--	1.00 U	2.70	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	1.46	0.19 U	0.17 U	0.20 U	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	2.26	0.19 U	0.17 U	0.20 U	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	2.52	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	1.25	1.00 U	5.15	1.0 U	1.00 U	1.00 U	--	29.93	0.19 U	0.17 U	28.13	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.08	0.19 U	0.17 U	0.20 U	--	0.26 U
3/25/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.85	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.76	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.34	0.29 U	0.27 U	1.00 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.81	1.0 U	0.27 U	0.25 U	--	9.92	0.29 U	0.27 U	1.00 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.14	1.0 U	0.27 U	0.25 U	--	8.88	0.29 U	0.27 U	1.00 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.04	1.0 U	0.27 U	0.25 U	--	11.07	0.29 U	0.27 U	1.00 U	--	0.23 U
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.68	0.1 U	0.21 U	0.15 U	--	3.92	0.13 U	0.15 U	0.19 U	--	0.26 U
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	3.10	0.12 U	0.13 U	0.15 U	--	0.12 U
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	2.02	0.1 U	0.12 U	0.20 U	--	10.93	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.95	0.4 J	1.00 U	1.00 U	--	10.40	1.00 U	1.00 U	0.44 J	--	1.00 U
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	4.00	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	3.31	0.6 J	2.00 U	2.00 U	--	8.39	2.00 U	2.00 U	0.75 J	--	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.0 U	1.00 U	2.60	--	8.90	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.70	1.0 U	1.00 U	1.00 U	--	17.00	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.41	1.0 U	1.00 U	1.00 U	--	14.60	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.52	1.0 U	1.00 U	1.00 U	--	8.33	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.26	1.0 U	1.00 U	1.00 U	--	18.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.87	1.0 U	1.00 U	1.00 U	--	15.90	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.88	1.0 U	1.00 U	1.00 U	--	20.80	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.75	1.0 U	1.00 U	1.00 U	--	10.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.01	1.0 U	1.00 U	1.00 U	--	10.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.97	1.0 U	1.00 U	1.00 U	--	10.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.91	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.77	1.0 U	1.00 U	1.00 U	--	12.10	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.15	1.0 U	1.00 U	1.00 U	--	13.80	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.20	1.0 U	1.00 U	1.00 U	--	15.70	1.00 U	1.00 U	1.00 U	--	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.77	1.0 U	1.00 U	1.00 U	--	14.50	1.00 U	1.00 U	1.00 U	--	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.50	1.0 U	1.00 U	1.00 U	1 U	13.70	1.00 U	1.00 U	--	5 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.50	1.0 U	1.00 U	1.00 U	1 U	13.40	1.00 U	1.00 U	--	5 U	1.00 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.70	1.0 U	1.00 U	1.00 U	1 U	10.70	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.60	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	1.00 U	2.63	--	--	0.22 U	1.00 U	1.97	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	1.00 U
6/3/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/25/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/26/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/24/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/27/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/31/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/4/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB08 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
9/4/01	1.00 U	0.24 U	--	1.00 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
3/13/02	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
9/16/02	28.07	1.00 U	--	1.00 U	0.13 U	0.14 U	21.35	3.01	--	--	--
6/3/03	0.17 U	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/25/04	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.04	--
9/20/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/4/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	1.22	0.24 U	0.30 U	1.00 U	0.36 U	--	2.67	--
4/17/07	0.36 U	0.32 U	--	1.11	0.24 U	0.30 U	1.00 U	0.36 U	--	2.47	--
10/2/07	0.36 U	0.32 U	--	1.26	0.24 U	0.30 U	1.00 U	0.36 U	--	2.98	--
3/26/08	0.20 U	0.28 U	0	0.50 U	0.08 U	--	0.23 U	0.07 U	--	0.52	--
9/24/08	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
3/9/09	0.16 U	0.12 U	0	0.83	0.13 U	--	0.75	0.10 U	--	2.04	--
9/21/09	1.00 U	1.00 U	--	0.76 J	1.00 U	1.00 U	0.44 J	1.00 U	--	2.35	--
7/27/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	3.00	--
9/20/10	2.00 U	2.00 U	--	0.66 J	2.00 U	2.00 U	2.00 U	2.00 U	2 U	3.18	--
4/21/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	3	1.00 U	1 U

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 5/20/20

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	4.00	1 U
9/10/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.68	--
3/21/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.78	--
9/16/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.41	--
3/11/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.53	--
9/3/14	1.00 U	1.00 U	--	1.20	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.83	--
3/23/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.80	--
9/2/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.55	--
3/22/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.05	--
3/9/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.06	--
9/14/17	1.00 U	1.64	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/5/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.07	--
4/11/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.20	--
7/31/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.20	--
3/4/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB08A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/27/01	--	--	--	80.9066	0.001 U	--	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	76.2039	0.005	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	82.0530	0.002	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	245.1770	0.001	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	87.5454	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
3/25/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.014	--
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012	--
9/25/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.013	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.019	--
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	228.0	0.20 U	7.9 J	67.4000	--	--	570.0	0.2000 U	--	--	--	--	--	--	--
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	226.0	0.20 U	5.3 J	58.2000	--	--	300.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/20/11	220.0	0.20 U	10.2	45.4000	--	--	370.0	0.2000 U	0 U	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/6/11	218.0	0.20 U	10.0 U	63.3000	--	--	190.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	221.0	0.20 U	8.6	55.5000	--	--	252.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	216.0	0.20 U	10.0 U	65.4000	--	--	240.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	219.0	0.20 U	10.0 U	63.8000	--	0	230.0	0.2000 U	0 U	0.05 U	232	6.39	--	--	649
9/16/13	214.0	0.20 U	10.0 U	68.0000	--	0	240.0	0.2000 U	0 U	0.05 U	235	6.01	--	--	548
3/11/14	218.0	0.22	10.0 U	59.9000	--	0	236.0	0.2000 U	--	--	221	6.11	--	--	537
9/3/14	219.0	0.25	10.0 U	50.4000	--	1	218.0	0.2000 U	0 U	0.05 U	220	6.47	--	--	503
3/23/15	221.0	0.20 U	10.0 U	60.8000	--	0	264.0	0.2000 U	0 U	0.05 U	239	6.61	--	--	468
9/2/15	221.0	0.44	10.0 U	70.0000	--	--	250.0	0.2000 U	0 U	0.05 U	120	6.07	--	--	617
3/22/16	210.0	0.23	10.0 U	67.6000	--	0	230.0	0.2000 U	0 U	0.05 U	179	6.25	--	--	545
9/1/16	226.0	0.26	10.0 U	72.5000	--	--	256.0	0.2000 U	0 U	0.05 U	169	6.02	--	--	581
3/9/17	206.0	0.24	10.0 U	83.6000	--	--	180.0	0.2000 U	0 U	0.05 U	196	6.20	--	--	583
9/14/17	205.0	0.20 U	10.0 U	87.5000	--	0	130.0	0.2000 U	0 U	0.05 U	222	6.28	--	--	662
4/2/18	207.0	0.20 U	15.2	91.1000	--	--	102.0	0.2000 U	0 U	0.05 U	56	6.18	--	--	603
9/5/18	204.0	0.20	10.0 U	105.0000	--	--	278.0	0.2000 U	0 U	0.05 U	42	6.19	--	--	666
4/11/19	220.0	0.31	9.0	32.6000	--	0	--	0.2000 U	--	--	6	6.29	6.44	--	609
7/31/19	218.0	0.34	11.8	50.8000	--	0	--	0.4000	--	--	200	6.18	6.40	--	491
3/4/20	232.0	0.30	10.4	72.3000	--	0	--	0.5500	--	--	55	6.10	6.30	--	590

Gude Landfill
Monitoring Location OB08A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/27/01	--	--	--	--	--	--	--	1.1	--
9/4/01	--	--	--	--	--	--	--	6.3	--
3/13/02	--	--	--	--	--	--	--	5.4	--
9/16/02	--	--	--	--	--	--	--	8.5	--
6/3/03	--	--	--	--	--	0	--	26.1	--
3/25/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	3.9	--	--	352	--	--	1.7	--
7/27/10	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	5.7	--	--	384	--	--	0.5	--
4/20/11	--	4.0 U	--	--	340	--	--	1.4	--

Gude Landfill
Monitoring Location OB08A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/6/11	--	4.0 U	--	--	1240	--	--	--	--
3/12/12	--	4.0 U	--	--	364	--	--	--	--
9/10/12	--	4.0 U	--	--	364	--	--	--	--
3/21/13	--	4.0 U	--	13.4	288	--	--	--	0.0
9/16/13	--	4.4	--	15.0	388	--	--	--	0.0
3/11/14	--	5.1	--	14.4	316	--	--	--	1.4
9/3/14	--	4.0 U	--	16.4	306	--	--	--	0.9
3/23/15	--	4.0 U	--	9.3	326	--	--	--	1.5
9/2/15	--	4.0 U	--	28.5	291	--	--	--	0.0
3/22/16	--	4.0 U	--	13.6	317	--	--	--	0.3
9/1/16	--	4.0 U	--	16.5	290	--	--	--	0.0
3/9/17	--	4.0 U	--	14.4	370	--	--	--	0.0
9/14/17	--	4.3	--	14.6	371	--	--	--	1.6
4/2/18	--	5.6	--	13.3	365	--	--	--	0.3
9/5/18	--	5.0	--	21.3	383	--	--	--	5.3
4/11/19	503	2.3	--	13.7	303	--	57.4	5.1	6.8
7/31/19	548	2.4	--	15.5	343	--	13.5	10.7	1.8
3/4/20	643	2.8	--	14.4	363	--	10.6	4.0	3.4

Gude Landfill
Monitoring Location OB08A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.097	0.005 U	0.005 U	46.6	0.01 U	0.01	0.005 U	3.0	0.005 U	17.7	7.850	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.071	0.005 U	0.005 U	53.6	0.01 U	0.02	0.005 U	3.5	0.005 U	22.3	6.970	0.0002 U
9/10/12	0.005 U	0.005 U	0.070	0.010 U	0.005 U	55.6	0.01 U	0.02	0.005 U	3.6	0.005 U	21.5	7.550	0.0002 U
3/21/13	0.005 U	0.005 U	0.074	0.005 U	0.005 U	56.7	0.01 U	0.02	0.005 U	3.5	0.005 U	22.2	8.270	0.0002 U
9/16/13	0.005 U	0.005 U	0.065	0.005 U	0.005 U	57.6	0.01 U	0.02	0.005 U	3.5	0.005 U	24.0	7.200	0.0002 U
3/11/14	0.005 U	0.005 U	0.126	0.005 U	0.005 U	57.7	0.01 U	0.01	0.005 U	0.7	0.005 U	17.1	5.590	0.0002 U
9/3/14	0.005 U	0.005 U	0.075	0.005 U	0.005 U	49.0	0.01 U	0.01	0.005 U	3.3	0.005 U	19.1	7.690	0.0002 U
3/23/15	0.002 U	0.003	0.059	0.002 U	0.004 U	53.0	0.01 U	0.02	0.010 U	3.8	0.002 U	21.0	7.200	0.0002 U
9/2/15	0.001 U	0.003	0.043	0.001 U	0.001 U	55.0	0.01 U	0.02	0.005 U	4.5	0.001 U	23.0	7.100	0.0002 U
3/22/16	0.002 U	0.003	0.068	0.002 U	0.002 U	54.7	0.00 U	0.02	0.002 U	3.7	0.002 U	21.4	7.570	0.0002 U
9/1/16	0.002 U	0.003	0.067	0.002 U	0.002 U	57.2	0.00	0.02	0.002 U	3.8	0.002 U	22.8	7.620	0.0002 U
3/9/17	0.002 U	0.003	0.056	0.002 U	0.002 U	56.8	0.00 U	0.02	0.003	4.0	0.002 U	24.3	7.300	0.0002 U
9/14/17	0.002 U	0.003	0.060	0.002 U	0.002 U	58.0	0.00	0.02	0.002 U	3.9	0.002 U	24.1	7.400	0.0002 U
4/2/18	0.002 U	0.003	0.058	0.002 U	0.002 U	63.2	0.01	0.02	0.002 U	3.4	0.002 U	25.4	7.670	0.0002 U
9/5/18	0.002 U	0.003	0.045	0.002 U	0.002 U	67.5	0.01	0.02	0.002 U	3.1	0.002 U	27.4	7.540	0.0002 U

Gude Landfill

Monitoring Location OB08A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01	2.5	0.005 U	0.01 U	27.3	0.005 U	0.01 U	0.006
9/6/11	0.01	--	--	--	--	--	--	--
3/12/12	0.01	2.8	0.005 U	0.01 U	33.7	0.005 U	0.01 U	0.006
9/10/12	0.01	3.1	0.005 U	0.01 U	31.1	0.005 U	0.01 U	0.005
3/21/13	0.01	3.0	0.005 U	0.01 U	31.8	0.005 U	0.01 U	0.006
9/16/13	0.01	2.8	0.005 U	0.01 U	33.0	0.005 U	0.01 U	0.005
3/11/14	0.01	2.8	0.005 U	0.01 U	22.5	0.005 U	0.01 U	0.005
9/3/14	0.01	2.7	0.005 U	0.01 U	30.3	0.005 U	0.01 U	0.008
3/23/15	0.01 J	2.9	0.035 U	0.01 U	33.0	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	3.0	0.005 U	0.00 U	34.0	0.001 U	0.01 U	0.005 U
3/22/16	0.01	2.5	0.002 U	0.00 U	29.6	0.001 U	0.00 U	0.002 U
9/1/16	0.01	2.7	0.002	0.00 U	31.6	0.001 U	0.00 U	0.003
3/9/17	0.01	2.7	0.003	0.00 U	32.4	0.001 U	0.00 U	0.003
9/14/17	0.01	2.6	0.002 U	0.00 U	30.9	0.001 U	0.00 U	0.002
4/2/18	0.01	2.9	0.003	0.00 U	32.7	0.001 U	0.00 U	0.004
9/5/18	0.01	2.8	0.003	0.00 U	32.9	0.001 U	0.00	0.004

Gude Landfill
Monitoring Location OB08A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/27/01	0.0020 U	0.0005 U	0.0043	0.0005 U	--	0.0020 U	--	0.0020 U	0.0022	0.0100 U	--	0.0013 U	--
9/4/01	0.0020 U	0.0020 U	0.0115	0.0017 U	--	0.0020 U	--	0.0020 U	0.0054	0.0085	--	0.0020 U	--
3/13/02	0.0020 U	0.0020 U	0.0107	0.0017 U	--	0.0020 U	--	0.0020 U	0.0035	0.0165	--	0.0020 U	--
9/16/02	0.0007 U	0.0191	0.1822	0.0004 U	--	0.0052	--	0.0037	0.0664	0.0141	--	0.0027	--
6/3/03	0.0007 U	0.0020 U	0.0098	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0200	--	0.0020 U	--
3/25/04	0.0009 U	0.0008 U	0.0049	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0100 U	--	0.0020 U	--
9/20/04	0.0028 U	0.0006 U	0.0059	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0102	--	0.0006 U	--
4/6/05	0.0028 U	0.0006 U	0.0057	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0127	--	0.0006 U	--
9/21/05	0.0028 U	0.0006 U	0.0101	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0104	--	0.0020 U	--
4/4/06	0.0006 U	0.0006 U	0.0087	0.0007 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0078	--	0.0020	--
9/25/06	0.0007 U	0.0026	0.0974	0.0009 U	--	0.0006 U	--	0.0020 U	0.0184	0.0083	--	0.0020 U	--
4/17/07	0.0007 U	0.0030	0.1007	0.0009 U	0.020 U	--	--	0.0020 U	0.0171	0.0059	--	0.0007 U	--
10/2/07	0.0020 U	0.0022	0.0820	0.0009 U	0.020 U	--	--	0.0007 U	0.0177	0.0058	--	0.0007 U	--
3/26/08	0.0005 U	0.0020 U	0.0894	0.0010 U	0.020 U	--	--	0.0020 U	0.0094	0.0041	--	0.0020 U	--
9/24/08	0.0010 U	0.0012 U	0.0200 U	0.0020 U	0.040 U	--	--	0.0016 U	0.0040 U	0.0061	--	0.0020 U	--
3/9/09	0.0010 U	0.0100 U	0.0669	0.0012 U	0.050 U	--	--	0.0007 U	0.0167	0.0100 U	--	0.0007 U	--
9/21/09	0.0020 U	0.0023	0.0815	0.0020 U	--	0.0020 U	59.4	0.0020 U	0.0186	0.0051	3.9	0.0020 U	23.200
7/27/10	0.0010 U	0.0032	0.0760	0.0010 U	--	0.0010 U	--	0.0006 U	0.0170	0.0005 U	--	0.0010 U	--
9/20/10	0.0050 U	0.0050 U	0.0779	0.0050 U	--	0.0050 U	52.9	0.0050 U	0.0175	0.0061	3.4	0.0050 U	19.300
4/20/11	0.0050 U	0.0050 U	0.0990	0.0050 U	--	0.0050 U	58.1	0.0050 U	0.0146	0.0060	3.7	0.0050 U	20.300
9/6/11	0.0050 U	0.0050 U	0.0689	0.0050 U	--	0.0050 U	54.4	0.0050 U	0.0173	0.0050 U	3.1	0.0050 U	22.000
3/12/12	0.0050 U	0.0050 U	0.0735	0.0050 U	--	0.0050 U	53.3	0.0050 U	0.0171	0.0080	3.4	0.0050 U	21.800
9/10/12	0.0050 U	0.0050 U	0.0680	0.0050 U	--	0.0050 U	54.7	0.0050 U	0.0189	0.0050 U	3.9	0.0050 U	21.800

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/21/13	0.0050 U	0.0050 U	0.0674	0.0050 U	--	0.0050 U	54.9	0.0050 U	0.0189	0.0050 U	3.4	0.0050 U	21.800
9/16/13	0.0050 U	0.0050 U	0.0648	0.0050 U	--	0.0050 U	52.4	0.0050 U	0.0161	0.0050 U	3.9	0.0050 U	21.600
3/11/14	0.0050 U	0.0050 U	0.0677	0.0050 U	--	0.0050 U	47.1	0.0050 U	0.0153	0.0050 U	3.1	0.0050 U	17.900
9/3/14	0.0050 U	0.0050 U	0.0770	0.0050 U	--	0.0050 U	47.6	0.0050 U	0.0149	0.0050 U	3.3	0.0050 U	18.700
3/23/15	0.0020 U	0.0029	0.0470	0.0020 U	--	0.0040 U	49.0	0.0047 J	0.0170	0.0017 J	4.4	0.0020 U	21.000
9/2/15	0.0010 U	0.0026	0.0410	0.0010 U	--	0.0005 U	53.0	0.0050 U	0.0190	0.0050 U	5.0	0.0010 U	23.000
3/22/16	0.0020 U	0.0026	0.0697	0.0020 U	--	0.0020 U	54.5	0.0020	0.0157	0.0020 U	3.9	0.0020 U	21.200
9/1/16	0.0020 U	0.0030	0.0698	0.0020 U	--	0.0020 U	56.1	0.0027	0.0192	0.0020	3.8	0.0020 U	22.500
3/9/17	0.0020 U	0.0030	0.0571	0.0020 U	--	0.0020 U	55.8	0.0031	0.0200	0.0050	4.2	0.0020 U	24.000
9/14/17	0.0050 U	0.0050 U	0.0675	0.0050 U	--	0.0050 U	60.4	0.0050 U	0.0168	0.0050 U	4.4	0.0050 U	25.900
4/2/18	0.0020 U	0.0029	0.0615	0.0020 U	--	0.0020 U	62.3	0.0052	0.0171	0.0020 U	3.3	0.0020 U	24.800
9/5/18	0.0020 U	0.0025	0.0452	0.0020 U	--	0.0020 U	66.2	0.0041	0.0197	0.0020 U	3.3	0.0020 U	27.400
4/11/19	0.0010 U	0.0030	0.1100	0.0010 U	--	0.0015	44.2 B	0.0057	0.0122	0.0043	4.0	0.0023	18.000
7/31/19	0.0010 U	0.0027	0.0717	0.0010 U	--	0.0010 U	42.1	0.0021	0.0136	0.0021	3.8	0.0010 U	18.900
3/4/20	0.0010 U	0.0027	0.0765	0.0010 U	--	0.0010 U	53.0	0.0010	0.0163	0.0012	4.0	0.0010 U	23.700

Gude Landfill
Monitoring Location OB08A - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/27/01	5.540	0.0001 U	0.0062	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	7.170	0.0001 U	0.0121	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	2.600	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	6.840	0.0003	0.0481	--	0.0265	0.0096 U	--	0.0010 U	0.0020 U	0.0020 U	--
6/3/03	0.734	0.0002 U	0.0032	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
3/25/04	0.217	0.0002 U	0.0020 U	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/20/04	0.021	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0004 U	--
4/6/05	0.022	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	0.130	0.0001 U	0.0021	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	0.220	0.0001 U	0.0026	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	9.787	0.0002 U	0.0106	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	0.0002 U	0.0088	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0083
10/2/07	--	0.0002 U	0.0083	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0051
3/26/08	--	0.0002 U	0.0054	--	0.0020 U	0.0001 U	--	0.0010 U	0.0500 U	0.0001 U	0.0045
9/24/08	--	0.0002 U	0.0095	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	0.0002 U	0.0100 U	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0100 U
9/21/09	8.160	0.0002 U	0.0095	2.82	0.0020 U	0.0020 U	37.0	0.0020 U	--	0.0020 U	0.0100 U
7/27/10	--	0.0002 U	0.0067	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/20/10	8.230	0.0002 U	0.0079	2.52	0.0050 U	0.0050 U	31.7	0.0050 U	--	0.0050 U	0.0050 U
4/20/11	8.570	0.0002 U	0.0071	2.77	0.0050 U	0.0050 U	30.8 J	0.0050 U	--	0.0050 U	0.0078
9/6/11	7.484	0.0002 U	--	2.80	0.0050 U	0.0050 U	31.8	0.0050 U	--	0.0050 U	0.0068
3/12/12	7.530	0.0002 U	0.0067	2.79	0.0050 U	0.0050 U	32.9	0.0050 U	--	0.0050 U	0.0101
9/10/12	8.270	0.0002 U	0.0077	2.99	0.0050 U	0.0050 U	30.7	0.0050 U	--	0.0050 U	0.0075

Gude Landfill
Monitoring Location OB08A - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/21/13	8.120	0.0002 U	0.0095	2.85	0.0050 U	0.0050 U	30.7	0.0050 U	--	0.0050 U	0.0060
9/16/13	7.160	0.0002 U	0.0071	2.91	0.0050 U	0.0050 U	30.1	0.0050 U	--	0.0050 U	0.0070
3/11/14	6.940	0.0002 U	0.0066	2.72	0.0050 U	0.0050 U	24.7	0.0050 U	--	0.0050 U	0.0063
9/3/14	7.330	0.0002 U	0.0074	2.60	0.0050 U	0.0050 U	29.4	0.0050 U	--	0.0050 U	0.0091
3/23/15	6.800	0.0002 U	0.0110	2.80	0.0350 U	0.0100 U	32.0	0.0020 U	--	0.0100 U	0.0084 J
9/2/15	7.400	0.0002 U	0.0100 U	3.00	0.0050 U	0.0010 U	33.0	0.0010 U	--	0.0050 U	0.0077
3/22/16	7.770	0.0002 U	0.0056	2.54	0.0020 U	0.0020 U	29.2	0.0010 U	--	0.0020 U	0.0028
9/1/16	7.770	0.0002 U	0.0084	2.69	0.0027	0.0020 U	31.1	0.0010 U	--	0.0020 U	0.0044
3/9/17	7.880	0.0002 U	0.0081	2.66	0.0032	0.0020 U	32.2	0.0010 U	--	0.0020 U	0.0037
9/14/17	7.670	0.0002 U	0.0068	2.76	0.0050 U	0.0050 U	33.2	0.0050 U	--	0.0050 U	0.0213
4/2/18	12.300	0.0002 U	0.0088	2.83	0.0035	0.0020 U	31.5	0.0010 U	--	0.0020 U	0.0043
9/5/18	7.650	0.0002 U	0.0080	2.80	0.0033	0.0020 U	33.1	0.0010 U	--	0.0020 U	0.0053
4/11/19	7.750	0.0001 U	0.0106	2.92	0.0010 U	0.0010 U	27.2	0.0010 U	--	0.0020	0.0250
7/31/19	8.850	0.0001 U	0.0066	2.52	0.0010 U	0.0010 U	28.3	0.0010 U	--	0.0010 U	0.0051 B
3/4/20	8.610	0.0001 U	0.0067	2.85	0.0010 U	0.0010 U	31.7	0.0010 U	--	0.0010 U	0.0072

Gude Landfill

Printed 5/20/20

Monitoring Location OB08A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	1.13	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	2.73	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.20
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	1.48	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.39
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	34.39	1.00 U	0.22 U	1.00 U	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	3.05	6.61
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	1.00 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.38	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	1.00 U	2.53
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.43	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	2.17
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	1.05	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	2.33
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	1.22
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.50 U	0.94
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	1.07	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	0.53	2.11
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.47	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	0.52 J	2.02
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	0.97 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	1.10 J
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location OB08A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	2.00
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.08
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.54	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	3.09
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.11
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.80
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.86
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.06
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.14
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.95
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.11
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.95
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.81
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.10
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.10
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.20

Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	10.31	0.27 U	1.00 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	0.21	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.37	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	1.00 U	0.37 U	1.00 U	1.00 U	--	0.39 U	--	--	--	1.39	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.23	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.26	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.52	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	0.14 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.09	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	3.97	1.00 U	0.46 J	1.00 U	1.00 U	1.00 U	1 U	0.28 J	--	1 U	--	1.03	1.00 U	1.00 U
7/27/10	--	1.00 U	4.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	0.90 J	--	1.00 U
9/20/10	2.00 U	2.00 U	2.83	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	0.99 J	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB08A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	4.70	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.10	--	1.00 U
9/10/12	1.00 U	1.00 U	4.19	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.91	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	4.78	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	4.48	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.07	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	4.19	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.06	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	3.92	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.03	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	5.87	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.08	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	5.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	5.38	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	5.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	4.28	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	3.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	3.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/4/20	--	1.00 U	5.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.30	--	1.00 U

Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	11.56	0.19 U	0.17 U	0.20 U	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	23.94	0.19 U	0.17 U	1.00 U	--
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	13.90	0.19 U	0.17 U	1.00 U	--
9/16/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	63.67	1.0 U	1.00 U	1.00 U	--	72.56	0.19 U	0.17 U	42.99	--
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	8.90	0.19 U	0.17 U	0.20 U	--
3/25/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.46	0.19 U	0.17 U	0.20 U	--
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.79	0.29 U	0.27 U	0.20 U	--
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	3.73	0.29 U	0.27 U	1.00 U	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	4.33	0.29 U	0.27 U	0.20 U	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	5.54	1.0 U	0.27 U	0.25 U	--	18.21	0.29 U	0.27 U	1.00 U	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.84	1.0 U	0.27 U	0.25 U	--	14.02	0.29 U	0.27 U	1.00 U	--
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.64	1.0 U	0.27 U	0.25 U	--	21.08	0.29 U	0.27 U	1.00 U	--
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	2.27	0.5 U	0.21 U	0.15 U	--	10.07	0.13 U	0.15 U	0.19 U	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	8.42	0.12 U	0.13 U	0.15 U	--
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	3.43	0.6	0.12 U	0.20 U	--	22.57	0.12 U	0.13 U	0.15 U	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	3.38	0.7 J	1.00 U	1.00 U	--	21.20	1.00 U	1.00 U	1.00 U	--
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00	1.0 U	1.00 U	1.00 U	--	16.00	1.00 U	1.00 U	1.00 U	--
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	4.22	0.6 J	2.00 U	0.89 J	--	14.10	2.00 U	2.00 U	0.72 J	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.30	1.0	1.00 U	4.00	--	12.00	1.00 U	1.00 U	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.60	1.0 U	1.00 U	1.00 U	--	21.00	1.00 U	1.00 U	--	--
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.04	1.0 U	1.00 U	1.00 U	--	19.60	1.00 U	1.00 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.54	1.0 U	1.00 U	1.00 U	--	9.61	1.00 U	1.00 U	1.00 U	--
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.30	1.0 U	1.00 U	1.00 U	--	26.20	1.00 U	1.00 U	1.00 U	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.81	1.0 U	1.00 U	1.00 U	--	20.70	1.00 U	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.75	1.0 U	1.00 U	1.00 U	--	12.10	1.00 U	1.00 U	1.00 U	--
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.48	1.0 U	1.00 U	1.00 U	--	11.10	1.00 U	1.00 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.05	1.0 U	1.00 U	1.00 U	--	11.90	1.00 U	1.00 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.56	1.0 U	1.00 U	1.00 U	--	15.10	1.00 U	1.00 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.05	1.0 U	1.00 U	1.00 U	--	15.10	1.00 U	1.00 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.41	1.0 U	1.00 U	1.00 U	--	19.70	1.00 U	1.00 U	1.00 U	--
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.29	1.0 U	1.00 U	1.00 U	--	20.80	1.00 U	1.00 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.86	1.0 U	1.00 U	1.00 U	--	23.60	1.00 U	1.00 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.74	1.0 U	1.00 U	1.00 U	--	19.50	1.00 U	1.00 U	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.80	1.0 U	1.00 U	1.00 U	1 U	8.00	1.00 U	1.00 U	--	5 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.30	1.0 U	1.00 U	1.00 U	1 U	7.00	1.00 U	1.00 U	--	5 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	11.90	1.0 U	1.00 U	1.00 U	1 U	8.20	1.00 U	1.00 U	--	5 U

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Monitoring Location OB08A - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/27/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.47	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U
3/13/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/16/02	0.26 U	--	1.07	1.00 U	1.00 U	--	--	0.22 U	27.89	1.07	0.23 U	0.27 U	1.00 U	1.00 U	0.21 U
6/3/03	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/25/04	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/20/04	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/6/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.00 U	2.00 U	1.00 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	1.00 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/2/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
3/26/08	0.26 U	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U
9/24/08	0.12 U	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
3/9/09	0.12 U	--	0.50 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
9/21/09	1.00 U	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/27/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
9/20/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/12/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/10/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/31/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/4/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 5/20/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	0.17 U	0.24 U	--	1.00 U	0.13 U	0.14 U	5.12	0.18 U	--	--	--
9/4/01	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	12.98	0.18 U	--	--	--
3/13/02	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	8.20	0.18 U	--	--	--
9/16/02	0.21 U	58.78	1.00 U	--	4.05	0.13 U	0.14 U	61.10	7.61	--	--	--
6/3/03	0.21 U	1.12	0.24 U	--	1.00 U	0.13 U	0.14 U	4.88	0.18 U	--	--	--
3/25/04	0.21 U	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.32	0.18 U	--	0.06	--
9/20/04	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.34	0.36 U	--	0.32 U	--
4/6/05	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.44	0.36 U	--	0.32 U	--
4/4/06	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.26	0.36 U	--	0.32 U	--
9/25/06	1.00 U	1.00 U	0.32 U	--	1.79	0.24 U	0.30 U	3.72	0.36 U	--	4.03	--
4/17/07	0.18 U	0.36 U	0.32 U	--	1.45	0.24 U	0.30 U	1.51	0.36 U	--	3.44	--
10/2/07	0.18 U	0.36 U	0.32 U	--	1.89	0.24 U	0.30 U	2.30	0.36 U	--	4.80	--
3/26/08	0.23 U	0.20 U	0.28 U	0	0.74	0.08 U	--	0.84	0.07 U	--	1.60	--
9/24/08	0.13 U	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.98	0.10 U	--	0.18 U	--
3/9/09	0.13 U	0.16 U	0.12 U	0	1.48	0.13 U	--	1.52	0.10 U	--	5.16	--
9/21/09	1.00 U	1.00 U	1.00 U	--	1.37	1.00 U	1.00 U	1.29	1.00 U	--	6.50	--
7/27/10	--	1.00 U	1.00 U	--	0.90 J	1.00 U	5.00 U	0.80 J	1.00 U	1 U	3.00	--
9/20/10	2.00 U	2.00 U	2.00 U	--	0.89 J	2.00 U	2.00 U	0.51 J	2.00 U	2 U	4.76	--
4/20/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	4	1.00 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 5/20/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/6/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	5.40	1 U
9/10/12	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.99	--
3/21/13	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.31	--
9/16/13	1.00 U	1.00 U	1.00 U	--	1.98	1.00 U	5.00 U	1.00 U	1.00 U	5 U	6.38	--
3/11/14	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.86	--
9/3/14	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.99	--
3/23/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.39	--
9/2/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.60	--
3/22/16	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.89	--
9/1/16	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.56	--
3/9/17	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.89	--
9/14/17	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.82	--
4/2/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.04	--
9/5/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.89	--
4/11/19	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.60	--
7/31/19	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/4/20	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.40	--

Gude Landfill
Monitoring Location OB10 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
9/5/01	--	--	--	29.5158	0.005	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	34.7181	0.003	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	57.2618	0.002 U	--	--	--	--	--	--	--	--	0.019
10/9/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.058
3/29/04	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.070
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.013
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.013
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.023
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	110.0	0.20 U	6.0 J	82.4000	--	--	160.0	0.2000 U	--	--	--	--	--	--
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	134.0	0.20 U	10.3	83.6000	--	--	230.0	0.0080 U	0 U	0.05 U	--	--	--	--
4/26/11	116.0	0.20 U	10.0 U	89.0000	--	--	230.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/15/11	122.0	0.20 U	10.0 U	94.1000	--	--	226.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/8/12	119.0	0.20 U	7.5	100.0000	--	--	210.0	0.2000 U	0 U	0.05 U	--	--	--	--

Gude Landfill
Monitoring Location OB10 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
9/18/12	133.0	0.20 U	10.0 U	121.0000	--	--	244.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/1/13	116.0	0.20 U	10.0 U	120.0000	--	0	234.0	0.2000 U	0 U	0.05 U	253	6.20	--	--
9/23/13	139.0	0.20 U	10.0 U	136.0000	--	0	278.0	0.2000 U	0 U	0.05 U	197	6.12	--	--
3/6/14	116.0	0.20 U	10.0 U	144.0000	--	0	256.0	0.2000 U	--	--	208	6.03	--	--
9/4/14	132.0	0.20 U	10.7	159.0000	--	1	292.0	0.2000 U	0 U	0.05 U	144	6.32	--	--
3/19/15	116.0	0.20 U	10.0 U	147.0000	--	0	276.0	0.2000 U	0 U	0.05 U	188	6.09	--	--
9/3/15	136.0	0.20 U	12.2	185.0000	--	1	332.0	0.2000 U	0 U	0.05 U	94	5.85	--	--
3/22/16	114.0	0.20 U	10.0 U	179.0000	--	0	294.0	0.2000 U	0 U	0.05 U	237	5.97	--	--
8/30/16	132.0	0.20 U	12.0	187.0000	--	2	368.0	0.2000 U	0 U	0.05 U	134	5.76	--	--
3/8/17	131.0	0.20 U	10.0 U	183.0000	--	--	344.0	0.2000 U	0 U	0.05 U	155	5.99	--	--
9/13/17	126.0	0.20 U	10.0 U	183.0000	--	--	292.0	0.2000 U	0 U	0.05 U	210	6.10	--	--
4/3/18	137.0	0.20 U	10.6	202.0000	--	--	353.0	0.2000 U	0 U	0.05 U	62	6.00	--	--
9/11/18	121.0	0.20 U	10.8	186.0000	--	1	318.0	0.2000 U	0 U	0.05 U	32	5.97	--	--
4/8/19	150.0	0.10 U	18.3	228.0000	--	0	--	0.2000 U	--	--	51	5.95	6.08	--
7/30/19	167.0	0.10 U	24.7	244.0000	--	0	--	0.2000 U	--	--	200	5.89	2.88	--
3/16/20	152.0	0.10 U	15.7	238.0000	--	1	--	0.2000 U	--	--	-1	5.80	6.27	--

Gude Landfill Monitoring Location OB10 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
9/5/01	--	--	--	--	--	--	--	--	2.6	--
3/13/02	--	--	--	--	--	--	--	--	7.6	--
6/3/03	--	--	--	--	--	--	0 U	--	26.3	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/29/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0 U	--	--	--
3/27/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	1.7	--	--	368	--	--	2.1	--
7/29/10	--	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	--	4.0 U	--	--	552	--	--	1.2	--
4/26/11	--	--	4.0 U	--	--	456	--	--	0.4	--
9/15/11	--	--	4.0 U	--	--	492	--	--	--	--
3/8/12	--	--	4.0 U	--	--	480	--	--	--	--

Gude Landfill
Monitoring Location OB10 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/18/12	--	--	4.0 U	--	--	396	--	--	--	--
4/1/13	654	--	4.0 U	--	13.9	440	--	--	--	0.0
9/23/13	637	--	4.0 U	--	13.9	434	--	--	--	0.0
3/6/14	596	--	4.0 U	--	13.1	340	--	--	--	0.0
9/4/14	664	--	4.0 U	--	13.9	466	--	--	--	0.3
3/19/15	590	--	4.0 U	--	13.2	424	--	--	--	0.0
9/3/15	788	--	4.0 U	--	15.3	523	--	--	--	0.0
3/22/16	671	--	4.0 U	--	12.8	399	--	--	--	0.0
8/30/16	766	--	4.0 U	--	14.6	579	--	--	--	0.0
3/8/17	718	--	4.0 U	--	13.5	371	--	--	--	0.0
9/13/17	766	--	4.0 U	--	14.8	600	--	--	--	0.6
4/3/18	842	--	4.0 U	--	10.3	374	--	--	--	0.0
9/11/18	805	--	4.0 U	--	17.4	481	--	--	--	0.0
4/8/19	1183	990	1.7	--	14.7	710	--	2.6 U	0.8	2.2
7/30/19	941	1090	2.6	--	14.7	952	--	2.3 U	0.5 U	0.0
3/16/20	1246	1060	1.6	--	12.3	782	--	6.0	1.8	0.3

Gude Landfill
Monitoring Location OB10 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.060	0.005 U	0.005 U	17.5	0.01 U	0.01 U	0.005 U	0.1 J	0.005 U	8.0	0.012	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.054	0.005 U	0.005 U	46.7	0.01 U	0.01	0.005 U	1.0	0.005 U	25.7	3.100	0.0002 U
9/18/12	0.005 U	0.005 U	0.065	0.005 U	0.005 U	58.2	0.01 U	0.01	0.005 U	1.6	0.005 U	33.6	4.270	0.0002 U
4/1/13	0.005 U	0.005 U	0.062	0.005 U	0.005 U	50.6	0.01 U	0.01	0.011	1.2	0.005 U	29.6	3.760	0.0002 U
9/23/13	0.005 U	0.005 U	0.075	0.005 U	0.005 U	54.7	0.01 U	0.01	0.005 U	1.8	0.005 U	33.7	4.760	0.0002 U
3/6/14	0.005 U	0.005 U	0.062	0.005 U	0.005 U	50.4	0.01 U	0.01	0.005 U	1.1	0.005 U	28.6	4.160	0.0002 U
9/4/14	0.005 U	0.005 U	0.070	0.005 U	0.005 U	53.2	0.01 U	0.01	0.005 U	1.6	0.005 U	30.7	--	0.0002 U
3/19/15	0.002 U	0.002 U	0.049	0.002 U	0.004 U	60.0	0.01 U	0.01 U	0.010 U	0.4	0.002 U	33.0	3.800	0.0002 U
9/3/15	0.001 U	0.001 U	0.069	0.001 U	0.001 U	67.0	0.01 U	0.01	0.005 U	1.3	0.001 U	40.0	5.800	0.0002 U
3/22/16	0.002 U	0.002 U	0.059	0.002 U	0.002 U	61.0	0.00 U	0.01	0.002 U	0.9	0.002 U	34.1	4.730	0.0002 U
8/30/16	0.002 U	0.002 U	0.084	0.002 U	0.002 U	64.7	0.00 U	0.01	0.002 U	1.5	0.002 U	39.0	6.640	0.0002 U
3/8/17	0.002 U	0.002 U	0.099	0.002 U	0.002 U	64.6	0.00 U	0.01	0.003	1.4	0.002 U	36.0	6.950	0.0002 U
9/13/17	0.002 U	0.002 U	0.099	0.002 U	0.002 U	68.6	0.00	0.01	0.002 U	1.3	0.002 U	36.6	6.780	0.0002 U
4/3/18	0.002 U	0.003	0.064	0.002 U	0.002 U	72.0	0.01	0.01	0.002 U	0.5	0.002 U	36.7	3.840	0.0002 U
9/11/18	0.002 U	0.002	0.083	0.002 U	0.002 U	66.1	0.00	0.01	0.002 U	0.6	0.002 U	35.7	5.520	0.0002 U

Gude Landfill
Monitoring Location OB10 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01 U	1.2	0.005 U	0.01 U	9.3	0.005 U	0.01 U	0.091
9/15/11	0.01	--	--	--	--	--	--	--
3/8/12	0.01	3.1	0.005 U	0.01 U	18.8	0.005 U	0.01 U	0.008
9/18/12	0.01	3.5	0.006	0.01 U	21.3	0.005 U	0.01 U	0.008
4/1/13	0.01	3.4	0.005 U	0.01 U	22.7	0.005 U	0.01 U	0.007
9/23/13	0.01	3.1	0.005 U	0.01 U	20.1	0.005 U	0.01 U	0.008
3/6/14	0.01	3.0	0.005 U	0.01 U	18.4	0.005 U	0.01 U	0.006
9/4/14	0.01	3.2	0.005 U	0.01 U	19.8	0.005 U	0.01 U	0.009
3/19/15	0.01 J	3.5	0.035 U	0.01 U	21.0	0.002 U	0.01 U	0.010 U
9/3/15	0.01	3.6	0.005 J	0.00 U	23.0	0.001 U	0.01 U	0.003 J
3/22/16	0.01	3.1	0.004	0.00 U	20.7	0.001 U	0.00 U	0.002 J
8/30/16	0.01	3.4	0.005	0.00 U	23.0	0.001 U	0.00 U	0.003
3/8/17	0.01	3.3	0.005	0.00 U	22.1	0.001 U	0.00 U	0.004
9/13/17	0.01	3.2	0.004	0.00 U	22.2	0.001 U	0.00 U	0.004
4/3/18	0.01	3.4	0.006	0.00 U	22.4	0.001 U	0.00 U	0.007
9/11/18	0.01	3.5	0.005	0.00 U	20.8	0.001 U	0.00 U	0.005

Gude Landfill
Monitoring Location OB10 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
9/5/01	0.0020 U	0.0020 U	0.0567	0.0017 U	--	0.0020 U	--	0.0012 U	0.0044	0.0086	--	0.0247	--
3/13/02	0.0005 U	0.0020 U	0.0506	0.0017 U	--	0.0034	--	0.0012 U	0.0023	0.0119	--	0.0063	--
6/3/03	0.0007 U	0.0020 U	0.0434	0.0004 U	--	0.0020 U	--	0.0020 U	0.0029	0.0161	--	0.0021	--
10/9/03	0.0009 U	0.0008 U	0.0413	0.0016 U	--	0.0007 U	--	0.0005 U	0.0027	0.0100 U	--	0.0020 U	--
3/29/04	0.0009 U	0.0008 U	0.0436	0.0016 U	--	0.0020 U	--	0.0005 U	0.0036	0.0100 U	--	0.0020 U	--
9/21/04	0.0028 U	0.0020 U	0.0425	0.0012 U	--	0.0020 U	--	0.0020 U	0.0035	0.0132	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0375	0.0012 U	--	0.0020 U	--	0.0007 U	0.0026	0.0100 U	--	0.0020 U	--
9/21/05	0.0028 U	0.0020 U	0.0379	0.0012 U	--	0.0020 U	--	0.0007 U	0.0029	0.0100 U	--	0.0020 U	--
4/5/06	0.0006 U	0.0006 U	0.0300	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0080	--	0.0020 U	--
9/26/06	0.0007 U	0.0040	0.0778	0.0009 U	--	0.0020 U	--	0.0020 U	0.0035	0.0083	--	0.0021	--
4/18/07	0.0007 U	0.0008 U	0.0366	0.0009 U	0.020 U	--	--	0.0007 U	0.0020 U	0.0079	--	0.0020 U	--
10/4/07	0.0007 U	0.0008 U	0.0491	0.0009 U	0.020 U	--	--	0.0020 U	0.0041	0.0082	--	0.0031	--
3/27/08	0.0005 U	0.0006 U	0.0321	0.0010 U	0.005 U	--	--	0.0020 U	0.0022	0.0041	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.0401	0.0012 U	0.010 U	--	--	0.0007 U	0.0020 U	0.0063	--	0.0020 U	--
9/22/09	0.0020 U	0.0020 U	0.0468	0.0020 U	--	0.0020 U	38.6	0.0020 U	0.0029	0.0060	0.6	0.0020 U	19.400
7/29/10	0.0010 U	0.0015	0.0530	0.0010 U	--	0.0010 U	--	0.0008 J	0.0067	0.0016	--	0.0014	--
9/21/10	0.0050 U	0.0050 U	0.0553	0.0050 U	--	0.0050 U	43.4	0.0050 U	0.0059	0.0057	1.3	0.0050 U	24.000
4/26/11	0.0050 U	0.0050 U	0.0531	0.0050 U	--	0.0050 U	39.8 J	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	24.900 J
9/15/11	0.0050 U	0.0050 U	0.0534	0.0050 U	--	0.0050 U	45.8	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U	27.800
3/8/12	0.0050 U	0.0050 U	0.0569	0.0050 U	--	0.0050 U	48.1	0.0050 U	0.0052	0.0050 U	1.0	0.0050 U	25.800
9/18/12	0.0050 U	0.0050 U	0.0573	0.0050 U	--	0.0050 U	50.1	0.0050 U	0.0081	0.0050 U	1.6	0.0050 U	28.100
4/1/13	0.0050 U	0.0050 U	0.0562	0.0050 U	--	0.0050 U	45.0	0.0050 U	0.0067	0.0109	1.1	0.0050 U	25.100
9/23/13	0.0050 U	0.0050 U	0.0763	0.0050 U	--	0.0050 U	55.8	0.0050 U	0.0084	0.0050 U	1.8	0.0050 U	34.400

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB10 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/6/14	0.0050 U	0.0050 U	0.0622	0.0050 U	--	0.0050 U	53.3	0.0050 U	0.0062	0.0050 U	1.1	0.0050 U	30.300
9/4/14	0.0050 U	0.0050 U	0.0699	0.0050 U	--	0.0050 U	56.6	0.0050 U	0.0078	0.0050 U	1.6	0.0050 U	32.500
3/19/15	0.0020 U	0.0020 U	0.0470	0.0020 U	--	0.0040 U	62.0	0.0100 U	0.0053 U	0.0100 U	0.4	0.0020 U	34.000
9/3/15	0.0010 U	0.0023	0.0640	0.0010 U	--	0.0005 U	67.0	0.0050 U	0.0091	0.0050 U	1.3	0.0010 U	40.000
3/22/16	0.0020 U	0.0020 U	0.0591	0.0020 U	--	0.0020 U	59.7	0.0020 U	0.0055	0.0020 U	1.0	0.0020 U	33.700
8/30/16	0.0020 U	0.0020 U	0.0769	0.0020 U	--	0.0020 U	64.3	0.0020 U	0.0090	0.0020 U	1.5	0.0020 U	36.200
3/8/17	0.0020 U	0.0022	0.1020	0.0020 U	--	0.0020 U	62.6	0.0023	0.0122	0.0020 U	1.3	0.0020 U	34.900
9/13/17	0.0020 U	0.0020 U	0.1000	0.0020 U	--	0.0020 U	69.0	0.0030	0.0093	0.0020 U	1.3	0.0020 U	36.400
4/3/18	0.0020 U	0.0028	0.0566	0.0020 U	--	0.0020 U	78.1	0.0032	0.0053	0.0031	0.5	0.0020 U	38.300
9/11/18	0.0020 U	0.0026	0.0799	0.0020 U	--	0.0020 U	71.0	0.0020 U	0.0100	0.0040	0.6	0.0020 U	34.100
4/8/19	0.0010 U	0.0010 U	0.1200	0.0010 U	--	0.0010 U	64.5	0.0010 U	0.0218	0.0010 U	1.6	0.0010 U	48.500
7/30/19	0.0010 U	0.0010 U	0.1350	0.0010 U	--	0.0010 U	69.8 B	0.0011	0.0266	0.0016	2.8	0.0010 U	49.200
3/16/20	0.0010 U	0.0010 U	0.1390	0.0010 U	--	0.0010 U	76.2	0.0015	0.0258	0.0010 U	2.1	0.0011	53.300

Gude Landfill
Monitoring Location OB10 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
9/5/01	2.590	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	2.322	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
6/3/03	2.196	0.0002 U	0.0049	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/9/03	2.030	0.0002 U	0.0049	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/29/04	20.380	0.0002 U	0.0056	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/21/04	2.248	0.0001 U	0.0074	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	1.919	0.0001 U	0.0048	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	2.040	0.0001 U	0.0051	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/5/06	0.002 U	0.0001 U	0.0056	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	2.376	0.0002 U	0.0080	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	0.0002 U	0.0057	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0230
10/4/07	--	0.0002 U	0.0066	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0198
3/27/08	--	0.0002 U	0.0049	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0087
3/5/09	--	0.0002 U	0.0049	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0008 U	0.0107
9/22/09	2.630	0.0002 U	0.0079	2.81	0.0020 U	0.0020 U	19.0	0.0020 U	--	0.0020 U	0.0100 U
7/29/10	--	0.0002 U	0.0072	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/21/10	3.470	0.0002 U	0.0079	2.65	0.0050 U	0.0050 U	20.3	0.0050 U	--	0.0050 U	0.0060
4/26/11	2.680	0.0002 U	0.0063	3.28	0.0050 U	0.0050 U	18.4 U	0.0050 U	--	0.0050 U	0.0057
9/15/11	3.030	0.0002 U	--	3.00	0.0050 U	0.0050 U	19.6	0.0050 U	--	0.0050 U	0.0070
3/8/12	3.150	0.0002 U	0.0081	3.02	0.0050 U	0.0050 U	18.2	0.0050 U	--	0.0050 U	0.0066
9/18/12	4.310	0.0002 U	0.0120	3.32	0.0050 U	0.0050 U	18.3	0.0050 U	--	0.0050 U	0.0071
4/1/13	3.660	0.0002 U	0.0112	3.44	0.0050 U	0.0050 U	19.8	0.0050 U	--	0.0050 U	0.0056
9/23/13	5.200	0.0002 U	0.0119	2.98	0.0050 U	0.0050 U	20.8	0.0050 U	--	0.0050 U	0.0081

Gude Landfill
Monitoring Location OB10 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/6/14	3.960	0.0002 U	0.0083	3.09	0.0050 U	0.0050 U	19.6	0.0050 U	--	0.0050 U	0.0067
9/4/14	5.010	0.0002 U	0.0101	3.29	0.0050 U	0.0050 U	21.0	0.0050 U	--	0.0050 U	0.0086
3/19/15	3.700	0.0002 U	0.0110	3.40	0.0350 U	0.0100 U	21.0	0.0020 U	--	0.0100 U	0.0100 U
9/3/15	5.800	0.0002 U	0.0100 U	3.60	0.0070	0.0010 U	23.0	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	4.680	0.0002 U	0.0082	3.42	0.0040	0.0020 U	20.4	0.0010 U	--	0.0020 U	0.0021
8/30/16	6.570	0.0002 U	0.0111	3.13	0.0041	0.0020 U	21.5	0.0010 U	--	0.0020 U	0.0022
3/8/17	7.720	0.0002 U	0.0143	3.24	0.0058	0.0020 U	21.9	0.0010 U	--	0.0020 U	0.0037
9/13/17	6.600	0.0002 U	0.0124	3.20	0.0036	0.0020 U	22.1	0.0010 U	--	0.0020 U	0.0040
4/3/18	3.450	0.0002 U	0.0095	3.46	0.0065	0.0020 U	22.6	0.0010 U	--	0.0020 U	0.0089
9/11/18	5.570	0.0002 U	0.0132	3.28	0.0056	0.0020 U	21.2	0.0010 U	--	0.0020 U	0.0156
4/8/19	14.400	0.0001 U	0.0225	3.68	0.0010 U	0.0010 U	27.5	0.0010 U	--	0.0010 U	0.0054
7/30/19	14.900	0.0001 U	0.0260	3.78	0.0010 U	0.0010 U	26.9 B	0.0010 U	--	0.0010 U	0.0073
3/16/20	14.800	0.0001 U	0.0287	4.32	0.0010 U	0.0010 U	29.9	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	1.00 U	4.99	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	3.03
3/13/02	0.18 U	0.15 U	0.23 U	1.00 U	3.20	1.00 U	1.00 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.03
6/3/03	1.00 U	1.00 U	1.58	1.00 U	3.18	1.00 U	1.00 U	17.96	1.30	0.20 U	5.71	1.00 U	10.0 U	1.00 U	1.88
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	2.23	1.00 U	1.00 U	1.45	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	1.00 U	1.52
3/29/04	0.18 U	0.15 U	0.23 U	0.22 U	3.88	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	0.2 U	1.00 U	2.16
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	3.70	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	3.11
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.99	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	2.01
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	2.99	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	2.36
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.08
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	2.20	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.48
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	4.99	0.37 U	0.35 U	2.85	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	4.46
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	1.04	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	1.55
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	3.49	1.00 U	1.00 U	4.33	0.49 J	0.61 J	1.00 U	1.00 U	1.2	0.56 J	2.53
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	6.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	5.60	2.00 U	2.00 U	2.08	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	0.64 J	2.65
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.3	1.00 U	2.80

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	4.06	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	7.23	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0	1.43	5.86
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	4.91	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.36
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	3.33	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.69
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	3.25
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	2.86	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.86
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	3.45	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.01	4.26
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	2.68	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	3.31
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	2.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	3.19
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	2.22	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.90
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.97	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.53
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.90
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.34	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.60
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	3.30
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	3.40
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	2.40

Gude Landfill

Monitoring Location OB10 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	3.10	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	1.90	1.00 U	10.00 U	0.11 U	--	1.38	0.18 U	0.14 U	--	1.00 U	--	--	--	1.95	1.08	0.20 U
10/9/03	1.00 U	0.19 U	1.20	0.11 U	0.11	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.18	0.27 U	0.20 U
3/29/04	0.21 U	0.19 U	1.28	0.11 U	3.43	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.77	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	2.14	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.87	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/4/07	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	2.86	1.00 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.73	0.20 U	0.12 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	0.55 J	1.00 U	4.84	1.00 U	1.00 U	0.53 J	1.00 U	0.63 J	1 U	1.67	--	1 U	--	1.72	0.42 J	1.00 U
7/29/10	--	1.00 U	6.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/21/10	2.00 U	2.00 U	5.54	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.04	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.40	--	1.00 U
3/8/12	--	--	5.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.60	--	1.00 U

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/18/12	1.00 U	1.00 U	7.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	12.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.49	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	9.31	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.16	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	7.07	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.76	1.00 U	--
9/4/14	1.00 U	1.00 U	8.74	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.26	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	6.93	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.89	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	10.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.43	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	8.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.23	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	9.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.16	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	8.88	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.99	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	7.57	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.74	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	7.41	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.95	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	5.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.27	1.00 U	1.00 U
4/8/19	--	1.00 U	9.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 J	--	5 U	1 U	2.40	--	1.00 U
7/30/19	--	1.00 U	11.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.80	--	1.00 U
3/16/20	--	1.00 U	9.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.20	--	1.00 U

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	85.97	0.19 U	0.17 U	17.80	--	0.26 U
3/13/02	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	35.90	0.19 U	0.17 U	11.10	--	0.26 U
6/3/03	1.00 U	1.00 U	0.15 U	1.75	1.00 U	1.00 U	1.0 U	1.00 U	0.21 U	--	22.43	1.00 U	1.00 U	7.93	--	1.00 U
10/9/03	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	18.60	0.19 U	0.17 U	5.19	--	0.26 U
3/29/04	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	22.58	0.19 U	0.17 U	8.71	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	22.03	0.29 U	0.27 U	14.08	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	10.04	0.29 U	0.27 U	8.62	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	21.18	0.29 U	0.27 U	16.64	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	4.81	0.29 U	0.27 U	1.65	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	13.70	0.29 U	0.27 U	3.21	--	0.23 U
10/4/07	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	1.01	0.3 U	0.27 U	0.25 U	--	34.09	0.29 U	0.27 U	10.99	--	1.00 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	20.83	0.13 U	0.15 U	2.68	--	0.26 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	0.36 J	2.50 U	1.00 U	0.94 J	1.0 U	1.00 U	1.00 U	--	17.90	1.00 U	1.00 U	4.36	--	0.39 J
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	29.00	1.00 U	1.00 U	4.00	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.98 J	0.7 J	2.00 U	2.00 U	--	24.00	2.00 U	2.00 U	24.30	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	2.30	1.00 U	1.00 U	1.0 U	1.00 U	6.20	--	9.60	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	--	24.00	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	25.60	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.16	1.0 U	1.00 U	1.00 U	--	51.20	1.00 U	1.00 U	6.03	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	--	33.90	1.00 U	1.00 U	2.87	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	--	29.00	1.00 U	1.00 U	2.15	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.77	1.0 U	1.00 U	1.00 U	--	36.70	1.00 U	1.00 U	2.64	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.25	1.0 U	1.00 U	1.00 U	--	30.80	1.00 U	1.00 U	1.88	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.46	1.0 U	1.00 U	1.00 U	--	46.10	1.00 U	1.00 U	1.49	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.18	1.0 U	1.00 U	1.00 U	--	38.80	1.00 U	1.00 U	1.49	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.57	1.0 U	1.00 U	1.00 U	--	39.00	1.00 U	1.00 U	1.10	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.26	1.0 U	1.00 U	1.00 U	--	37.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.12	1.0 U	1.00 U	1.00 U	--	31.30	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.10	1.0 U	1.00 U	1.00 U	--	31.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.26	1.0 U	1.00 U	1.00 U	--	18.90	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.40	1.0 U	1.00 U	1.00 U	1 U	36.90	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.90	1.0 U	1.00 U	1.00 U	1 U	42.20	1.00 U	1.00 U	--	5 U	1.00 U
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.0 U	1.00 U	1.00 U	1 U	32.90	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	21.95	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	1.00 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
6/3/03	--	1.29	2.84	1.00 U	--	--	1.00 U	1.00 U	3.97	1.92	1.00 U	3.02	2.92	1.00 U	1.77
10/9/03	--	0.30 U	1.00 U	1.00 U	--	--	0.22 U	0.21 U	1.15	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	1.00 U
3/29/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	2.13	1.00 U	1.00 U	1.35	1.27	1.00 U	1.00 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	0.45 J	0.83 J	1.00 U	--	0.40 J	1.00 U	1.00 U	1.00	0.57 J	0.34 J	0.78 J	0.69 J	0.28 J	0.50 J
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.52 J	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB10 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	9.01	1.00 U	--	2.19	0.13 U	0.14 U	50.56	1.00 U	--	--	--
3/13/02	12.02	0.24 U	--	1.00 U	0.13 U	0.14 U	25.98	1.00 U	--	--	--
6/3/03	9.45	1.00 U	--	1.79	0.13 U	1.00 U	14.45	1.00 U	--	--	--
10/9/03	0.17 U	1.00 U	--	1.00	0.13 U	0.14 U	19.73	0.18 U	--	2.13	--
3/29/04	6.03	0.24 U	--	0.22 U	0.13 U	1.00 U	15.42	1.00 U	--	5.87	--
9/21/04	0.36 U	0.32 U	--	1.80	0.24 U	0.30 U	33.16	1.00 U	--	9.43	--
4/6/05	2.28	0.32 U	--	1.07	0.24 U	1.00 U	15.67	0.36 U	--	5.66	--
9/21/05	1.00 U	0.32 U	--	1.96	0.24 U	0.30 U	23.54	0.36 U	--	9.35	--
4/5/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	8.76	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	2.47	0.32 U	--	1.00 U	0.24 U	0.30 U	10.60	0.36 U	--	2.43	--
10/4/07	1.00 U	1.00 U	--	5.04	0.24 U	0.30 U	28.64	0.36 U	--	16.03	--
3/27/08	0.20 U	0.28 U	0	1.12	0.08 U	--	1.31	0.07 U	--	2.15	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/22/09	1.03	0.27 J	--	2.39	1.00 U	1.00 U	13.30	1.00 U	--	6.07	--
7/29/10	4.00	1.00 U	--	4.00	1.00 U	5.00 U	16.00	1.00 U	1 U	7.00	--
9/21/10	1.95 J	2.00 U	--	3.94	2.00 U	2.00 U	13.40	2.00 U	2 U	11.70	--
4/26/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	2.30	1.00 U	--	3.90	1.00 U	5.00 U	11.00	1.00 U	1 U	17.00	1 U
3/8/12	1.80	1.00 U	--	1.00 U	1.00 U	5.00 U	12.00	1.00 U	1 U	9.00	1 U

Gude Landfill Monitoring Location OB10 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/18/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	14.40	1.00 U	5 U	12.50	--
4/1/13	3.43	1.00 U	--	5.16	1.00 U	5.00 U	25.40	1.00 U	5 U	26.60	--
9/23/13	1.00 U	1.00 U	--	2.22	1.00 U	5.00 U	17.90	1.00 U	5 U	14.40	--
3/6/14	1.75	1.00 U	--	2.61	1.00 U	5.00 U	12.60	1.00 U	5 U	15.20	--
9/4/14	1.88	1.00 U	--	3.11	1.00 U	5.00 U	13.10	1.00 U	5 U	19.20	--
3/19/15	1.26	1.00 U	--	2.61	1.00 U	5.00 U	10.00	1.00 U	5 U	17.10	--
9/3/15	1.00 U	1.00 U	--	3.05	1.00 U	5.00 U	15.60	1.00 U	5 U	23.50	--
3/22/16	1.00 U	1.00 U	--	2.43	1.00 U	5.00 U	11.90	1.00 U	5 U	18.20	--
8/30/16	1.00 U	1.00 U	--	2.39	1.00 U	5.00 U	10.20	1.00 U	5 U	18.10	--
3/8/17	1.00 U	1.00 U	--	2.17	1.00 U	5.00 U	8.95	1.00 U	5 U	15.40	--
9/13/17	1.00 U	1.00 U	--	1.87	1.00 U	5.00 U	6.50	1.00 U	5 U	13.20	--
4/3/18	1.00 U	1.00 U	--	2.32	1.00 U	5.00 U	4.26	1.00 U	5 U	16.30	--
9/11/18	1.00 U	1.00 U	--	1.31	1.00 U	5.00 U	3.17	1.00 U	5 U	10.50	--
4/8/19	1.00 U	1.00 U	--	2.20	1.00 U	1.00 U	5.80	1.00 U	1 U	20.90	--
7/30/19	1.00 U	1.00 U	--	2.90	1.00 U	1.00 U	6.00	1.00 U	1 U	28.10	--
3/16/20	1.00 U	1.00 U	--	1.80	1.00 U	1.00 U	3.10	1.00 U	1 U	19.20	--

Gude Landfill
Monitoring Location OB11 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	94.6452	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	96.8634	0.003	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	107.3320	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	41.4197	0.001 U	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	156.2980	0.002 U	--	--	--	--	--	--	--	--	0.018
10/9/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.017
3/25/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.047
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.020
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.044
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.048
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	201.0	0.20 U	27.5	330.0000	--	--	550.0	0.2000 U	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	200.0	0.20 U	29.0	358.0000	--	--	600.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/20/11	211.0	0.20 U	32.5	259.0000	--	--	563.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/6/11	215.0	0.20 U	22.4	371.0000	--	--	581.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/12/12	217.0	0.20 U	32.8	407.0000	--	--	596.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	219.0	0.20 U	24.0	398.0000	--	--	592.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/26/13	221.0	0.20 U	37.8	397.0000	--	0	576.0	0.2000 U	0 U	0.05 U	385	5.81	--	--
9/12/13	228.0	0.20 U	22.5	392.0000	--	0	606.0	0.2000 U	0 U	0.05 U	327	5.41	--	--
9/16/13	--	--	--	--	--	1	480.0	--	--	--	-23	6.00	--	--
9/19/13	--	--	--	--	--	0	580.0	--	--	--	211	5.55	--	--
3/11/14	223.0	0.20 U	31.6	398.0000	--	0	612.0	0.2000 U	--	--	348	5.47	--	--
9/10/14	283.0	0.20 U	37.5	417.0000	--	2	606.0	0.2000 U	0 U	0.05 U	328	5.77	--	--
3/19/15	202.0	0.20 U	29.3	394.0000	--	1	650.0	0.2000 U	0 U	0.05 U	347	6.16	--	--
9/1/15	218.0	0.20 U	25.3	426.0000	--	--	650.0	0.2000 U	0 U	0.05 U	323	5.67	--	--
3/21/16	214.0	0.20 U	30.4	438.0000	--	0	650.0	0.2000 U	0 U	0.05 U	391	5.73	--	--
8/30/16	228.0	0.20 U	30.3	424.0000	--	--	72.0	0.2000 U	0 U	0.05 U	295	5.46	--	--
3/8/17	240.0	0.20 U	25.3	436.0000	--	--	700.0	0.2000 U	0 U	0.05 U	355	5.68	--	--
9/14/17	241.0	0.20 U	28.0	445.0000	--	0	640.0	0.2000 U	0 U	0.05 U	381	5.73	--	--
3/29/18	249.0	0.20 U	41.8	432.0000	--	--	720.0	0.2000 U	0 U	0.05 U	201	5.55	--	--
9/5/18	247.0	0.20 U	32.2	467.0000	--	--	692.0	0.2000 U	0 U	0.05 U	195	5.71	--	--
4/10/19	255.0	0.10 U	34.0	458.0000	--	0	--	0.5000	--	--	159	5.63	5.50	--
7/29/19	252.0	0.10 U	38.4	453.0000	--	0	--	0.7000	--	--	200	5.61	5.14	--
3/11/20	256.0	0.10 U	36.4	438.0000	--	1	--	0.2000 U	--	--	71	5.79	5.86	--

Gude Landfill
Monitoring Location OB11 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.1	--
9/4/01	--	--	--	--	--	--	--	--	1.5	--
3/13/02	--	--	--	--	--	--	--	--	3.7	--
9/16/02	--	--	--	--	--	--	--	--	2.5	--
6/3/03	--	--	--	--	--	--	0	--	1.6	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/25/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	9.0	--	--	1208	--	--	1.2	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	9.5	--	--	1416	--	--	5.8	--

Gude Landfill
Monitoring Location OB11 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/20/11	--	--	9.5	--	--	1116	--	--	0.7	--
9/6/11	--	--	10.2	--	--	1036	--	--	--	--
3/12/12	--	--	11.2	--	--	1404	--	--	--	--
9/13/12	--	--	10.3	--	--	1212	--	--	--	--
3/26/13	2	--	10.5	--	16.2	1018	--	--	--	0.0
9/12/13	1539	--	12.2	--	17.2	1122	--	--	--	0.0
9/16/13	1	--	--	--	17.0	--	--	--	2.8	3.4
9/19/13	2	--	--	--	14.4	--	--	--	0.4	7.5
3/11/14	1526	--	11.9	--	16.5	1060	--	--	--	1.5
9/10/14	1627	--	11.7	--	17.0	1074	--	--	--	0.3
3/19/15	1352	--	10.7	--	15.5	920	--	--	--	0.0
9/1/15	1611	--	9.6	--	17.9	983	--	--	--	1.9
3/21/16	1538	--	11.4	--	14.1	960	--	--	--	7.2
8/30/16	1637	--	12.9	--	17.0	982	--	--	--	0.0
3/8/17	1599	--	12.7	--	16.1	799	--	--	--	0.0
9/14/17	1835	--	11.2	--	18.2	1160	--	--	--	6.3
3/29/18	1676	--	12.8	--	16.8	999	--	--	--	0.0
9/5/18	1752	--	12.1	--	20.5	1020	--	--	--	1.8
4/10/19	2199	1830	12.6	--	15.8	1440	--	2.6 U	0.5 U	1.8
7/29/19	1680	1820	22.2	--	17.4	1390	--	4.0 U	0.5 U	0.0
3/11/20	1689	1840	12.4	--	14.8	1090	--	4.0	1.2	0.5

Gude Landfill
Monitoring Location OB11 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.030	0.005 U	0.011	123.0	0.01 U	0.01 U	0.008	0.6	0.005 U	61.1	0.827	0.0007
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.030	0.005 U	0.010	130.0	0.01 U	0.01 U	0.007	0.7	0.005 U	66.5	--	0.0006
9/13/12	0.005 U	0.005 U	0.032	0.005 U	0.010	140.0	0.01 U	0.01 U	0.008	0.8	0.005 U	69.1	0.797	0.0008
3/26/13	0.005 U	0.005 U	0.030	0.005 U	0.011	134.0	0.01 U	0.01 U	0.016	0.7	0.005 U	69.2	0.806	0.0009
9/12/13	0.005 U	0.005 U	0.029	0.005 U	0.010	142.0	0.01 U	0.01 U	0.008	0.6	0.005 U	69.7	0.787	0.0007
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/11/14	0.005 U	0.005 U	0.031	0.005 U	0.011	127.0	0.01 U	0.01 U	0.007	0.6	0.005 U	65.7	0.840	0.0016
9/10/14	0.005 U	0.005 U	0.032	0.005 U	0.011	141.0	0.01 U	0.01 U	0.008	0.7	0.005 U	70.8	0.855	0.0008
3/19/15	0.002 U	0.002 U	0.022	0.002 U	0.012	130.0	0.00 J	0.01 U	0.003 J	0.0 U	0.002 U	73.0	0.830	0.0010
9/1/15	0.001 U	0.003	0.024	0.001 U	0.011	140.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	71.0	0.890	0.0011
3/21/16	0.002 U	0.002 U	0.025	0.002 U	0.011	133.0	0.01	0.00 U	0.003	0.9	0.002 U	71.9	0.849	0.0009
8/30/16	0.002 U	0.002	0.028	0.002 U	0.011	135.0	0.00 U	0.00 U	0.004	0.8	0.002 U	75.5	0.974	0.0006
3/8/17	0.002 U	0.005	0.026	0.002 U	0.012	140.0	0.00 U	0.00	0.009	1.0	0.002 U	74.9	1.030	0.0002 U
9/14/17	0.002 U	0.002 U	0.024	0.002 U	0.012	139.0	0.01	0.00 U	0.003	0.8	0.002 U	76.3	1.080	0.0002 U
3/29/18	0.002 U	0.002	0.025	0.002 U	0.014	146.0	0.01	0.00 U	0.004	0.2 U	0.002 U	76.4	1.230	0.0003
9/5/18	0.002 U	0.002	0.024	0.002 U	0.013	148.0	0.02	0.00 U	0.004	0.1 U	0.002 U	77.5	1.300	0.0002 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB11 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.03	4.8	0.006	0.01 U	63.4	0.005 U	0.01 U	0.045
9/6/11	0.03	--	--	--	--	--	--	--
3/12/12	0.03	5.2	0.005 U	0.01 U	68.3	0.005 U	0.01 U	0.043
9/13/12	0.04	5.7	0.006	0.01 U	72.0	0.005 U	0.01 U	0.043
3/26/13	0.04	5.5	0.007	0.01 U	76.0	0.005 U	0.01 U	0.045
9/12/13	0.03	4.9	0.006	0.01 U	72.6	0.005 U	0.01 U	0.043
9/16/13	0.03	--	--	--	--	--	--	--
9/19/13	0.03	--	--	--	--	--	--	--
3/11/14	0.03	5.0	0.006	0.01 U	70.9	0.005 U	0.01 U	0.043
9/10/14	0.04	4.8	0.007	0.01 U	79.7	0.005 U	0.01 U	0.041
3/19/15	0.04	5.5	0.006 J	0.01 U	85.0	0.002 U	0.01 U	0.043
9/1/15	0.04	5.6	0.010	0.00 U	80.0	0.001 U	0.01 U	0.043
3/21/16	0.03	4.6	0.007	0.00 U	79.4	0.001 U	0.00 U	0.036
8/30/16	0.03	5.0	0.007	0.00 U	84.5	0.001 U	0.00 U	0.036
3/8/17	0.04	4.6	0.008	0.00 U	87.1	0.001 U	0.00	0.041
9/14/17	0.03	4.5	0.005	0.00 U	89.4	0.001 U	0.00 U	0.037
3/29/18	0.03	4.8	0.010	0.00 U	93.0	0.001 U	0.00	0.038
9/5/18	0.03	4.4	0.007	0.00 U	89.4	0.001 U	0.00	0.043

Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0154	0.0005 U	--	0.0049	--	0.0020 U	0.0007 U	0.0151	--	0.0013 U
9/4/01	0.0020 U	0.0020 U	0.0199	0.0017 U	--	0.0059	--	0.0020 U	0.0020 U	0.0061	--	0.0020 U
3/13/02	0.0005 U	0.0020 U	0.0209	0.0017 U	--	0.0074	--	0.0020 U	0.0004 U	0.0090	--	0.0022
9/16/02	0.0007 U	0.0020 U	0.0435	0.0004 U	--	0.0020 U	--	0.0020	0.0027	0.0122	--	0.0020 U
6/3/03	0.0007 U	0.0020 U	0.0266	0.0004 U	--	0.0054	--	0.0020 U	0.0020 U	0.0213	--	0.0020 U
10/9/03	0.0009 U	0.0020 U	0.0334	0.0016 U	--	0.0051	--	0.0020 U	0.0025	0.0100 U	--	0.0020 U
3/25/04	0.0009 U	0.0020 U	0.2086	0.0016 U	--	0.0034	--	0.0020 U	0.0613	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0020 U	0.0803	0.0012 U	--	0.0081	--	0.0023	0.0027	0.0135	--	0.0074
4/6/05	0.0028 U	0.0055	0.1537	0.0012 U	--	0.0036	--	0.0007 U	0.0452	0.0164	--	0.0028
9/21/05	0.0028 U	0.0020 U	0.0559	0.0012 U	--	0.0023	--	0.0020 U	0.0020 U	0.0112	--	0.0026
4/4/06	0.0006 U	0.0020 U	0.0535	0.0007 U	--	0.0056	--	0.0020 U	0.0020 U	0.0090	--	0.0023
9/25/06	0.0007 U	0.0020 U	0.0229	0.0009 U	--	0.0099	--	0.0027	0.0020 U	0.0091	--	0.0020 U
4/17/07	0.0007 U	0.0021	0.0258	0.0009 U	0.322	--	--	0.0020 U	0.0020 U	0.0083	--	0.0020 U
10/3/07	0.0007 U	0.0020 U	0.0320	0.0009 U	0.236	--	--	0.0037	0.0036	0.0069	--	0.0007 U
3/26/08	0.0005 U	0.0024	0.0267	0.0010 U	0.400 U	--	--	0.0020 U	0.0020 U	0.0063	--	0.0020 U
9/24/08	0.0010 U	0.0040 U	0.0331	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0062	--	0.0020 U
3/9/09	0.0010 U	0.0100 U	0.0286	0.0012 U	0.348	--	--	0.0100 U	0.0100 U	0.0100 U	--	0.0007 U
9/22/09	0.0020 U	0.0020 U	0.0272	0.0020 U	--	0.0088	126.0	0.0020 U	0.0019 J	0.0083	0.5	0.0020 U
7/26/10	0.0010 U	0.0013	0.0220	0.0010 U	--	0.0100	--	0.0019	0.0018	0.0045	--	0.0010 U
9/15/10	0.0050 U	0.0050 U	0.0261	0.0050 U	--	0.0090	133.0	0.0050 U	0.0050 U	0.0112	1.2	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.0301	0.0050 U	--	0.0100	134.0 J	0.0050 U	0.0050 U	0.0078	1.3	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.0292	0.0050 U	--	0.0101	132.3	0.0050 U	0.0050 U	0.0064	0.7	0.0050 U
3/12/12	0.0050 U	0.0050 U	0.0295	0.0050 U	--	0.0104	132.0	0.0050 U	0.0050 U	0.0089	0.7	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/13/12	0.0050 U	0.0050 U	0.0282	0.0050 U	--	0.0104	133.0	0.0050 U	0.0050 U	0.0081	0.7	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.0299	0.0050 U	--	0.0110	132.0	0.0050 U	0.0050 U	0.0153	0.7	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.0289	0.0050 U	--	0.0103	135.0	0.0050 U	0.0050 U	0.0083	0.6	0.0050 U
9/16/13	0.0050 U	0.0011	0.0500	0.0010 U	--	0.0028	100.0	0.0011	0.0026	0.0027	10.0 U	0.0005 J
9/19/13	0.0050 U	0.0006 J	0.0220	0.0010 U	--	0.0098	120.0	0.0010 U	0.0015	0.0029	0.1 U	0.0010 U
3/11/14	0.0050 U	0.0050 U	0.0329	0.0050 U	--	0.0109	117.0	0.0050 U	0.0050 U	0.0073	0.6	0.0050 U
9/10/14	0.0050 U	0.0050 U	0.0323	0.0050 U	--	0.0110	138.0	0.0050 U	0.0050 U	0.0074	0.7	0.0050 U
3/19/15	0.0020 U	0.0020	0.0230	0.0020 U	--	0.0120	130.0	0.0051 J	0.0100 U	0.0036 J	0.0 U	0.0020 U
9/1/15	0.0010 U	0.0021	0.0240	0.0010 U	--	0.0110	140.0	0.0056	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/21/16	0.0020 U	0.0020 U	0.0254	0.0020 U	--	0.0112	132.0	0.0048	0.0020 U	0.0031	1.0	0.0020 U
8/30/16	0.0020 U	0.0020 U	0.0257	0.0020 U	--	0.0107	130.0	0.0020 U	0.0020 U	0.0040	1.0	0.0020 U
3/8/17	0.0020 U	0.0062	0.0266	0.0020 U	--	0.0128	138.0	0.0084	0.0021	0.0063	0.9	0.0020 U
9/14/17	0.0050 U	0.0050 U	0.0310	0.0050 U	--	0.0137	145.0	0.0050 U	0.0050 U	0.0071	0.9	0.0050 U
3/29/18	0.0020 U	0.0025	0.0247	0.0020 U	--	0.0136	146.0	0.0099	0.0020 U	0.0041	0.2 U	0.0020 U
9/5/18	0.0020 U	0.0025	0.0255	0.0020 U	--	0.0125	148.0	0.0112	0.0020 U	0.0043	0.1 U	0.0020 U
4/10/19	0.0010 U	0.0010 U	0.0267	0.0010 U	--	0.0141	145.0 B	0.0015	0.0018	0.0052	0.1 U	0.0010 U
7/29/19	0.0010 U	0.0010 U	0.0281	0.0010 U	--	0.0118	120.0 B	0.0020	0.0020	0.0097	0.1	0.0010 U
3/11/20	0.0010 U	0.0010 U	0.0297	0.0010 U	--	0.0126	145.0	0.0019	0.0019	0.0106	0.1	0.0010 U

Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.209	0.0003	0.0086	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.388	0.0002 U	0.0105	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	--	0.317	0.0002	0.0114	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	2.254	0.0001 U	0.0065	--	0.0028	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/3/03	--	0.267	0.0002	0.0129	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/9/03	--	0.566	0.0002	0.0137	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/25/04	--	0.020 U	0.0002 U	0.0354	--	0.0020 U	0.0022 U	--	0.0010 U	0.0003 U	0.0004 U	--
9/21/04	--	0.704	0.0005	0.0167	--	0.0020 U	0.0018 U	--	0.0006 U	0.0020 U	0.0020 U	--
4/6/05	--	5.365	0.0004	0.0382	--	0.0034	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.631	0.0008	0.0176	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	--	0.598	0.0019	0.0178	--	0.0020	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	0.884	0.0030	0.0292	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0031	0.0279	--	0.0036	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0389
10/3/07	--	--	0.0007	0.0276	--	0.0043	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0400
3/26/08	--	--	0.0022	0.0249	--	0.0029	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0427
9/24/08	--	--	0.0005	0.0207	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0380
3/9/09	--	--	0.0019	0.0275	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0508
9/22/09	60.100	0.862	0.0022	0.0361	4.56	0.0049	0.0020 U	56.7	0.0020 U	--	0.0020 U	0.0432
7/26/10	--	--	0.0035	0.0370	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0510
9/15/10	67.900	0.884	0.0025	0.0375	4.90	0.0078	0.0050 U	68.8	0.0050 U	--	0.0050 U	0.0426
4/20/11	66.600	0.869	0.0017	0.0331	4.82	0.0061	0.0050 U	67.9	0.0050 U	--	0.0050 U	0.0430
9/6/11	66.600	0.768	0.0010	--	4.70	0.0057	0.0050 U	68.5	0.0050 U	--	0.0050 U	0.0420
3/12/12	67.400	0.758	0.0010	0.0326	5.13	0.0050 U	0.0050 U	68.0	0.0050 U	--	0.0050 U	0.0453

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/13/12	64.400	0.858	0.0012	0.0365	5.19	0.0110	0.0050 U	68.0	0.0050 U	--	0.0050 U	0.0462
3/26/13	68.900	0.793	0.0014	0.0361	5.45	0.0067	0.0050 U	75.8	0.0050 U	--	0.0050 U	0.0442
9/12/13	67.000	0.760	0.0011	0.0349	5.17	0.0055	0.0050 U	71.3	0.0050 U	--	0.0050 U	0.0413
9/16/13	56.000	0.770	0.0026	--	11.00	0.0010 U	0.0010 U	59.0	0.0010 U	--	0.0050 U	4.3000
9/19/13	68.000	0.780	0.0021	--	4.30	0.0010 U	0.0010 U	71.0	0.0010 U	--	0.0050 U	0.0420
3/11/14	57.600	0.845	0.0026	0.0320	4.98	0.0050 U	0.0050 U	62.0	0.0050 U	--	0.0050 U	0.0441
9/10/14	70.200	0.858	0.0014	0.0356	4.71	0.0068	0.0050 U	77.7	0.0050 U	--	0.0050 U	0.0418
3/19/15	76.000	0.860	0.0028	0.0400	5.30	0.0054 U	0.0100 U	77.0	0.0020 U	--	0.0100 U	0.0440
9/1/15	73.000	0.890	0.0019	0.0340	5.60	0.0082	0.0010 U	82.0	0.0010 U	--	0.0050 U	0.0420
3/21/16	72.200	0.829	0.0011	0.0308	4.65	0.0069	0.0020 U	78.2	0.0010 U	--	0.0020 U	0.0362
8/30/16	71.800	0.948	0.0008	0.0316	4.79	0.0059	0.0020 U	81.1	0.0010 U	--	0.0020 U	0.0324
3/8/17	73.900	1.020	0.0008	0.0406	4.58	0.0093	0.0020 U	85.7	0.0010 U	--	0.0036	0.0414
9/14/17	80.600	1.130	0.0013	0.0314	4.70	0.0050 U	0.0050 U	94.4	0.0050 U	--	0.0050 U	0.0526
3/29/18	75.800	1.260	0.0009	0.0329	4.58	0.0107	0.0020 U	91.4	0.0010 U	--	0.0020 U	0.0381
9/5/18	78.000	1.270	0.0009	0.0353	4.56	0.0068	0.0020 U	89.0	0.0010 U	--	0.0028	0.0440
4/10/19	94.200	1.530	0.0040	0.0352	5.17	0.0010 U	0.0010 U	115.0	0.0010 U	--	0.0010 U	0.0469
7/29/19	76.600	1.350	0.0027	0.0337	5.39	0.0010 U	0.0010 U	90.4 B	0.0010 U	--	0.0010 U	0.0415
3/11/20	102.000	1.630	0.0039	0.0346	5.61	0.0010 U	0.0010 U	99.7	0.0010 U	--	0.0010 U	0.0450

Gude Landfill

Printed 5/20/20

Monitoring Location OB11 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	9.03	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.25
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	19.25	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.44
3/13/02	0.18 U	0.15 U	0.23 U	1.50	15.45	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.38
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	1.48	13.80	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.14
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	19.59	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	1.11	3.37
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	36.31	1.01	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.56	5.13
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	16.58	1.00 U	0.35 U	10.19	0.40 U	1.12	1.56	0.28 U	10.0 U	1.07	3.74
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	12.43	1.00 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.40	3.92
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	17.06	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.28	3.41
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	13.27	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.38	3.47
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	15.90	1.00 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.81	8.11
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	29.18	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	7.99
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	29.33	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	5.36	8.27
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	11.14	0.50 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	1.0	3.16	4.67
9/24/08	0.12 U	0.17 U	0.14 U	1.52	23.00	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	1.6	3.68	6.31
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	31.01	0.89	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	4.66	8.28
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	33.40	1.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.6	4.72	8.15
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	34.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	3.0	4.00	8.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	15.10	0.93 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.5 J	3.94	6.10

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location OB11 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	25.00	--	--	1.00 U	--	1.00 U	1.00 U	3.9	2.80	5.10
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	30.00	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	7.20
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	21.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	3.0	1.00 U	6.30
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	22.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	22.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.7	3.66	6.13
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	21.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.4	3.57	6.50
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	21.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	3.64	6.26
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	18.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	3.07	5.57
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	18.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	3.42	5.53
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	17.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.1	3.16	5.67
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	15.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	2.91	4.83
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	19.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.3	3.07	5.18
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	2.49	4.81
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	13.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.0	2.78	4.70
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	12.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	2.54	4.50
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.8	2.40	4.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	13.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.7	2.40	4.60
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	9.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.6	1.90	3.60

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.68	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.07	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	1.21	0.11 U	0.70	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	3.28	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	4.26	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	7.22	0.27 U	0.20 U
9/21/04	1.00 U	0.33 U	10.00 U	0.23 U	0.29 U	1.00 U	1.25	1.00 U	--	0.39 U	--	--	--	3.17	1.00 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.43	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.04	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.43	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	3.06	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	9.78	0.31 U	1.94
4/17/07	0.35 U	0.33 U	10.18	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	9.69	0.31 U	2.25
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	2.54	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	10.69	0.31 U	1.22
3/26/08	0.24 U	0.20 U	2.46	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	2.04	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	6.43	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	6.16	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	2.23	--	0.13 U	--	0.12 U	--	--	--	--	--	9.56	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	14.60	1.00 U	0.83 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	9.37	1.00 U	1.00 U
7/26/10	--	1.00 U	14.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	8.00	--	1.00 U
9/15/10	2.00 U	2.00 U	9.85	2.00 U	0.95 J	2.00 U	2.00 U	2.00 U	2 U	24.60	--	2 U	--	8.29	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	5.20	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	12.00	--	1.00 U
3/12/12	--	--	17.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	6.90	--	1.00 U
9/13/12	1.00 U	1.00 U	14.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	14.90	1.18	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	6.02	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	13.70	1.43	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	6.17	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	16.90	1.02	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	5.72	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	16.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.78	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	16.30	1.71	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.32	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	18.60	1.21	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.13	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	18.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.60	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	20.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.23	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	16.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.26	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	17.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.96	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	17.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	14.50	--	5 U	--	2.70	1.00 U	1.00 U
4/10/19	--	1.00 U	17.00	1.00 U	5.00 U	--	5.00 U	--	5 U	8.60	--	5 U	1 U	2.70	--	1.00 U
7/29/19	--	1.00 U	19.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.00	--	1.00 U
3/11/20	--	1.00 U	17.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.20	--	1.00 U

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	15.28	0.19 U	0.17 U	21.23	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	6.38	1.0 U	1.00 U	0.21 U	--	33.11	0.19 U	0.17 U	43.78	--
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	1.00 U	0.21 U	--	25.68	0.19 U	0.17 U	30.04	--
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.70	0.19 U	0.17 U	1.00 U	--
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	5.14	1.0 U	0.23 U	0.21 U	--	26.92	0.19 U	0.17 U	17.85	--
10/9/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	14.96	1.0 U	1.00 U	0.21 U	--	46.08	0.19 U	0.17 U	29.23	--
3/25/04	0.18 U	1.00 U	1.00 U	1.00 U	0.15 U	36.13	1.0 U	1.00 U	1.00 U	--	141.35	0.19 U	0.17 U	26.82	--
9/21/04	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	19.64	1.0 U	1.00 U	0.25 U	--	41.73	0.29 U	0.27 U	39.36	--
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	31.35	1.0 U	0.27 U	0.25 U	--	53.18	0.29 U	0.27 U	26.34	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	15.03	0.3 U	1.00 U	0.25 U	--	46.22	0.29 U	0.27 U	44.30	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	12.61	0.3 U	0.27 U	0.25 U	--	45.81	0.29 U	0.27 U	12.37	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	60.16	1.0 U	1.00 U	1.00 U	--	149.39	0.29 U	0.27 U	33.15	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	56.32	1.0 U	1.00 U	0.25 U	--	164.85	0.29 U	0.27 U	30.59	--
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	61.28	1.0 U	1.00 U	0.25 U	--	176.66	0.29 U	0.27 U	48.58	--
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	11.69	0.5 U	0.21 U	0.15 U	--	92.93	0.13 U	0.15 U	16.36	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	35.91	0.5 U	0.12 U	0.20 U	--	137.27	0.12 U	0.13 U	25.96	--
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	52.75	0.5 U	0.50	0.50 U	--	190.55	0.12 U	0.13 U	40.92	--
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	50.00	0.6 J	0.42 J	1.00 U	--	184.00	1.00 U	1.00 U	40.70	--
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	44.00	1.0 U	1.00 U	1.00 U	--	210.00	1.00 U	1.00 U	22.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	34.30	0.6 J	2.00 U	2.00 U	--	73.60	2.00 U	2.00 U	95.30	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	52.00	1.0 U	1.00 U	2.30	--	1.00 U	1.00 U	1.00 U	--	--
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	17.0	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	41.00	1.0 U	1.00 U	1.00 U	--	160.00	1.00 U	1.00 U	--	--
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	34.50	1.0 U	1.00 U	1.00 U	--	94.80	1.00 U	1.00 U	19.30	--
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	34.60	1.0 U	1.00 U	1.00 U	--	64.16	1.00 U	1.00 U	17.90	--
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	31.00	1.0 U	1.00 U	1.00 U	--	135.88	1.00 U	1.00 U	15.60	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	33.40	1.0 U	1.00 U	1.00 U	--	131.00	1.00 U	1.00 U	13.90	--
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.53	1.00 U	1.00 U	1.00 U	--
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.20	1.0 U	1.00 U	1.00 U	--	103.40	1.00 U	1.00 U	13.50	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.30	1.0 U	1.00 U	1.00 U	--	79.00	1.00 U	1.00 U	9.91	--
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.80	1.0 U	1.00 U	1.00 U	--	107.00	1.00 U	1.00 U	9.95	--
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	27.80	1.0 U	1.00 U	1.00 U	--	95.80	1.00 U	1.00 U	7.37	--
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.70	1.0 U	1.00 U	1.00 U	--	77.80	1.00 U	1.00 U	9.04	--
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	26.80	1.0 U	1.00 U	1.00 U	--	78.20	1.00 U	1.00 U	4.45	--
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	26.70	1.0 U	1.00 U	1.00 U	--	86.80	1.00 U	1.00 U	4.88	--
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	25.20	1.0 U	1.00 U	1.00 U	--	80.00	1.00 U	1.00 U	5.06	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.30	1.0 U	1.00 U	1.00 U	1 U	89.50	1.00 U	1.00 U	--	5 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.0 U	1.00 U	1.00 U	1 U	70.40	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.30	1.0 U	1.00 U	1.00 U	1 U	76.50	1.00 U	1.00 U	--	5 U

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/27/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.02	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/13/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/16/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/3/03	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	8.96	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
10/9/03	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	14.29	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/25/04	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	22.08	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/21/04	1.00 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.09	1.00 U	1.00 U	1.34	1.31	0.25 U
4/6/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	4.41	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.51	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.74	2.00 U	1.00 U	--	--	1.00 U	42.44	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/17/07	0.23 U	--	1.42	0.40 U	1.00 U	--	--	1.00 U	42.01	0.23 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
10/3/07	0.23 U	--	1.73	0.40 U	0.28 U	--	--	1.00 U	35.48	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
3/26/08	0.26 U	--	0.50 U	0.43 U	--	--	5.00 U	0.15 U	9.24	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U
9/24/08	0.12 U	--	0.92	0.23 U	--	--	5.00 U	0.20 U	19.47	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	1.45	0.23 U	--	--	6.41	0.20 U	28.72	0.50 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
9/22/09	1.00 U	--	1.13	2.00 U	1.00 U	--	2.67	1.00 U	30.60	1.00 U	1.00 U	1.00 U	1.00 U	0.39 U	1.00 U
7/26/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	28.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	1.65 J	2.00 U	24.20	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
4/20/11	1.00 U	--	--	--	1.00 U	--	5.60	1.00 U	16.00	--	--	--	--	--	1.00 U
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	18.00	--	--	--	--	--	1.00 U
3/12/12	1.00 U	--	--	--	1.00 U	--	2.60	1.00 U	12.00	--	--	--	--	--	1.00 U
9/13/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	13.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	12.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	12.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	10.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	8.58	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	8.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	8.56	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	7.51	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	9.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.97	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.54	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	2.10	1.00 U	5.60	--	--	1.00 U	--	--	1.00 U
7/29/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	2.10	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.80	1.00 U	4.20	--	--	1.00 U	--	--	1.00 U

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	15.38	0.24 U	--	1.00 U	0.13 U	0.14 U	10.45	1.00 U	--	--	--
9/4/01	0.21 U	44.27	0.24 U	--	1.00 U	0.13 U	0.14 U	24.68	2.72	--	--	--
3/13/02	0.21 U	36.00	0.24 U	--	1.00 U	0.13 U	0.14 U	18.90	1.58	--	--	--
9/16/02	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/3/03	0.21 U	21.58	0.24 U	--	1.00 U	0.13 U	0.14 U	17.31	1.72	--	--	--
10/9/03	0.21 U	0.17 U	1.00 U	--	1.57	0.13 U	0.14 U	30.06	3.78	--	2.85	--
3/25/04	0.21 U	26.34	0.24 U	--	5.27	0.13 U	1.00 U	39.15	0.18 U	--	10.87	--
9/21/04	1.00 U	36.32	1.45	--	1.49	0.24 U	0.30 U	28.57	3.22	--	3.54	--
4/6/05	0.18 U	34.22	0.32 U	--	1.71	0.24 U	1.00 U	26.35	1.87	--	6.36	--
9/21/05	0.18 U	26.31	1.00	--	1.24	0.24 U	0.30 U	25.32	1.66	--	2.44	--
4/4/06	0.18 U	20.17	0.32 U	--	1.09	0.24 U	0.30 U	20.17	1.00 U	--	1.75	--
9/25/06	1.00 U	65.48	0.32 U	--	6.19	0.24 U	0.30 U	55.99	4.37	--	15.95	--
4/17/07	0.18 U	62.00	0.32 U	--	5.60	0.24 U	0.30 U	52.41	4.25	--	12.02	--
10/3/07	0.18 U	60.22	0.32 U	--	8.31	0.24 U	0.30 U	59.10	5.59	--	16.89	--
3/26/08	0.23 U	32.40	0.28 U	0	2.88	0.08 U	--	28.56	1.93	--	4.49	--
9/24/08	0.13 U	52.48	1.00	0	8.83	0.13 U	--	42.66	2.85	--	8.73	--
3/9/09	0.50 U	67.92	0.50 U	1	7.15	0.13 U	--	53.74	4.58	--	15.64	--
9/22/09	1.00 U	43.90	1.00 U	--	6.37	1.00 U	1.00 U	51.50	3.98	--	20.30	--
7/26/10	--	58.00	1.00 U	--	6.00	1.00 U	5.00 U	48.00	1.00 U	1 U	13.00	--
9/15/10	2.00 U	19.60	2.00 U	--	2.78	2.00 U	2.00 U	33.90	3.78	2 U	20.90	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 5/20/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/20/11	--	26.00	1.00 U	--	4.90	1.00 U	5.00 U	28.00	6.80	1 U	14.00	1 U
9/6/11	--	44.00	1.00 U	--	3.30	1.00 U	5.00 U	37.00	1.00 U	1 U	1.00 U	1 U
3/12/12	--	47.00	1.00 U	--	4.60	1.00 U	5.00 U	39.00	3.30	1 U	13.00	1 U
9/13/12	1.00 U	40.10	1.00 U	--	1.00 U	1.00 U	5.00 U	34.20	1.00 U	5 U	14.10	--
3/26/13	1.00 U	36.90	1.00 U	--	4.31	1.00 U	5.00 U	32.60	2.47	5 U	13.90	--
9/12/13	1.00 U	32.20	1.00 U	--	4.94	1.00 U	5.00 U	34.60	2.04	5 U	14.00	--
3/11/14	1.00 U	32.30	1.00 U	--	4.41	1.00 U	5.00 U	29.60	2.33	5 U	14.60	--
9/10/14	1.00 U	1.13	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	24.00	1.00 U	--	3.58	1.00 U	5.00 U	25.50	2.00	5 U	15.40	--
9/1/15	1.00 U	21.70	1.00 U	--	3.79	1.00 U	5.00 U	26.30	1.60	5 U	14.60	--
3/21/16	1.00 U	21.30	1.00 U	--	3.95	1.00 U	5.00 U	22.90	1.61	5 U	14.50	--
8/30/16	1.00 U	16.80	1.00 U	--	3.30	1.00 U	5.00 U	18.80	1.33	5 U	13.50	--
3/8/17	1.00 U	17.40	1.00 U	--	4.46	1.00 U	5.00 U	14.10	1.80	5 U	17.90	--
9/14/17	1.00 U	13.20	1.00 U	--	2.71	1.00 U	5.00 U	15.40	1.08	5 U	11.10	--
3/29/18	1.00 U	12.20	1.00 U	--	3.05	1.00 U	5.00 U	14.50	1.08	5 U	11.70	--
9/5/18	1.00 U	11.50	1.00 U	--	3.01	1.00 U	5.00 U	13.10	1.07	5 U	12.50	--
4/10/19	--	10.10	1.00 U	--	3.00	1.00 U	1.00 U	11.30	1.00 U	1 U	13.90	--
7/29/19	--	3.60	1.00 U	--	3.40	1.00 U	1.00 U	9.60	1.00 U	1 U	17.50	--
3/11/20	--	9.50	1.00 U	--	2.70	1.00 U	1.00 U	9.90	1.00 U	1 U	11.50	--

Gude Landfill
Monitoring Location OB11A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	167.9440	0.001	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	195.5640	0.003	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	250.6500	0.003	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	86.7173	0.001 U	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	185.2330	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/9/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.014
3/25/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.011
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.050
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.013
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.015
4/17/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	270.0	0.22	30.8	310.0000	--	--	540.0	0.2000 U	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	280.0	1.70	30.0	290.0000	--	--	660.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/20/11	292.0	2.11	33.7	211.0000	--	--	524.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/6/11	285.0	1.59	21.6	297.0000	--	--	598.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/12/12	279.0	1.11	30.4	300.0000	--	--	500.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	288.0	1.25	17.8	312.0000	--	--	508.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/26/13	298.0	1.79	26.5	282.0000	--	0	466.0	0.2000 U	0 U	0.05 U	350	6.00	--	--
9/12/13	302.0	1.18	23.1	327.0000	--	0	516.0	0.2000 U	0 U	0.05 U	292	5.61	--	--
3/11/14	295.0	1.99	20.6	266.0000	--	0	456.0	0.2000 U	--	--	306	5.71	--	--
9/10/14	49.0	1.00	29.4	329.0000	--	2	544.0	0.2000 U	0 U	0.05 U	295	5.94	--	--
3/19/15	285.0	0.36	31.3	325.0000	--	0	300.0	0.2000 U	0 U	0.05 U	321	6.42	--	--
9/1/15	333.0	0.42	35.1	425.0000	--	3	660.0	0.2000 U	0 U	0.05 U	234	5.83	--	--
3/21/16	316.0	0.31	31.8	401.0000	--	0	600.0	0.2000 U	0 U	0.11	296	5.97	--	--
8/30/16	351.0	0.37	34.4	387.0000	--	--	584.0	0.2000 U	0 U	0.05 U	267	5.66	--	--
3/8/17	107.0	0.30	26.0	428.0000	--	--	588.0	0.2000 U	0 U	0.05 U	302	5.94	--	--
9/14/17	330.0	0.57	28.9	358.0000	--	--	600.0	0.2000 U	0 U	0.05 U	291	5.97	--	--
3/29/18	327.0	0.27	37.4	396.0000	--	--	700.0	0.2000 U	0 U	0.05 U	133	6.01	--	--
9/5/18	325.0	0.43	32.4	399.0000	--	--	640.0	0.2000 U	0 U	0.05 U	119	5.93	--	--
4/10/19	353.0	0.58	34.0	404.0000	--	0	--	0.4000	--	--	83	5.86	5.53	--
7/29/19	356.0	0.46	27.8	426.0000	--	0	--	0.7000	--	--	200	5.81	5.26	--
3/11/20	345.0	0.47	32.6	394.0000	--	0	--	0.2000 U	--	--	122	5.87	5.99	--

Gude Landfill
Monitoring Location OB11A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	10.1	--
9/4/01	--	--	--	--	--	--	--	--	11.1	--
3/13/02	--	--	--	--	--	--	--	--	97.7	--
9/16/02	--	--	--	--	--	--	--	--	1.7	--
6/3/03	--	--	--	--	--	--	--	--	24.1	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/25/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	12.6	--	--	1192	--	--	2.0	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	18.4	--	--	1068	--	--	3.3	--

Gude Landfill
Monitoring Location OB11A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/20/11	--	--	17.0 J	--	--	908	--	--	0.8	--
9/6/11	--	--	15.0	--	--	304	--	--	--	--
3/12/12	--	--	15.8	--	--	1048	--	--	--	--
9/13/12	--	--	15.7	--	--	904	--	--	--	--
3/26/13	2	--	16.6	--	15.4	830	--	--	--	0.0
9/12/13	1481	--	15.7	--	16.9	936	--	--	--	0.0
3/11/14	1274	--	20.0	--	15.7	1016	--	--	--	4.1
9/10/14	1510	--	15.4	--	16.6	854	--	--	--	0.0
3/19/15	1276	--	12.5	--	15.5	908	--	--	--	0.0
9/1/15	1873	--	8.5	--	25.4	969	--	--	--	0.0
3/21/16	1580	--	12.2	--	15.3	884	--	--	--	1.7
8/30/16	1686	--	12.2	--	16.8	989	--	--	--	0.0
3/8/17	1736	--	11.1	--	15.2	978	--	--	--	0.0
9/14/17	151598	--	12.0	--	16.8	909	--	--	--	0.6
3/29/18	1634	--	12.9	--	16.6	940	--	--	--	3.3
9/5/18	395	--	11.6	--	19.9	991	--	--	--	2.5
4/10/19	2200	1840	9.8	--	15.6	1170	--	2.6 U	1.8	1.7
7/29/19	1750	1870	10.7	--	17.4	1150	--	7.3	2.3	0.0
3/11/20	1738	1850	10.7	--	15.1	1040	--	3.1	1.7	0.1

Gude Landfill
Monitoring Location OB11A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.193	0.005 U	0.005 U	76.0	0.01 U	0.02	0.009	0.8	0.005 U	56.2	6.520	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.179	0.005 U	0.005 U	90.9	0.01 U	0.02	0.006	0.9	0.005 U	67.6	6.630	0.0002 U
9/13/12	0.005 U	0.005 U	0.169	0.005 U	0.005 U	94.3	0.01 U	0.02	0.006	1.0	0.005 U	66.0	6.210	0.0002 U
3/26/13	0.005 U	0.005 U	0.190	0.005 U	0.005 U	83.9	0.01 U	0.02	0.014	1.0	0.005 U	63.2	6.700	0.0002 U
9/12/13	0.005 U	0.005 U	0.163	0.005 U	0.005 U	96.6	0.01 U	0.03	0.006	1.1	0.005 U	67.5	7.130	0.0002 U
3/11/14	0.005 U	0.005 U	0.203	0.005 U	0.005 U	80.7	0.01 U	0.02	0.005	0.8	0.005 U	60.1	6.430	0.0002 U
9/10/14	0.005 U	0.005 U	0.186	0.005 U	0.005 U	100.0	0.01 U	0.02	0.006	1.1	0.005 U	70.4	7.290	0.0002 U
3/19/15	0.002 U	0.002	0.180	0.002 U	0.002 J	99.0	0.02	0.02	0.003 J	0.5	0.002 U	73.0	7.600	0.0002 U
9/1/15	0.001 U	0.003	0.160	0.001 U	0.002	120.0	0.01 U	0.03	0.005 U	0.7	0.001 U	83.0	8.600	0.0002 U
3/21/16	0.002 U	0.002 U	0.199	0.002 U	0.002 U	108.0	0.00	0.03	0.002	1.4	0.002 U	76.8	8.870	0.0002 U
8/30/16	0.002 U	0.002	0.188	0.002 U	0.002 U	114.0	0.00 U	0.03	0.003	1.4	0.002 U	82.6	9.140	0.0002 U
3/8/17	0.002 U	0.004	0.158	0.002 U	0.002 U	125.0	0.00 U	0.04	0.014	2.3	0.002 U	86.0	9.530	0.0002 U
9/14/17	0.002 U	0.002 U	0.145	0.002 U	0.002 U	110.0	0.01	0.03	0.002 U	1.6	0.002 U	76.3	9.100	0.0002 U
3/29/18	0.002 U	0.003	0.156	0.002 U	0.002 U	122.0	0.01	0.03	0.002 U	1.0	0.002 U	81.1	10.900	0.0002 U
9/5/18	0.002 U	0.002	0.177	0.002 U	0.002 U	120.0	0.02	0.03	0.002 U	1.0	0.002 U	79.8	11.100	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB11A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.02	6.6	0.005 U	0.01 U	84.5	0.005 U	0.01 U	0.024
9/6/11	0.02	--	--	--	--	--	--	--
3/12/12	0.02	6.6	0.005 U	0.01 U	98.9	0.005 U	0.01 U	0.023
9/13/12	0.03	7.3	0.005 U	0.01 U	95.2	0.005 U	0.01 U	0.020
3/26/13	0.02	7.6	0.005 U	0.01 U	96.0	0.005 U	0.01 U	0.021
9/12/13	0.02	6.7	0.005	0.01 U	97.8	0.005 U	0.01 U	0.019
3/11/14	0.02	6.8	0.005 U	0.01 U	88.4	0.005 U	0.01 U	0.021
9/10/14	0.02	6.0	0.006	0.01 U	103.0	0.005 U	0.01 U	0.019
3/19/15	0.04	6.0	0.035 U	0.01 U	96.0	0.002 U	0.01 U	0.021
9/1/15	0.03	6.4	0.009	0.00 U	110.0	0.001 U	0.01 U	0.022
3/21/16	0.02	5.3	0.006	0.00 U	106.0	0.001 U	0.00 U	0.017
8/30/16	0.03	5.7	0.007	0.00 U	113.0	0.001 U	0.00 U	0.016
3/8/17	0.04	5.4	0.008	0.00 U	118.0	0.001 U	0.00	0.018
9/14/17	0.03	5.4	0.005	0.00 U	109.0	0.001 U	0.00 U	0.014
3/29/18	0.03	5.3	0.008	0.00 U	115.0	0.001 U	0.00 U	0.017
9/5/18	0.03	5.0	0.006	0.00 U	106.0	0.001 U	0.00	0.020

**Gude Landfill
Monitoring Location OB11A - Total Metals**

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.1587	0.0005 U	--	0.0049	--	0.0003 U	0.0764	0.0100 U	--	0.0013 U
9/4/01	0.0020 U	0.0033	0.1826	0.0017 U	--	0.0054	--	0.0012 U	0.0650	0.0101	--	0.0067
3/13/02	0.0005 U	0.0032	0.1753	0.0017 U	--	0.0058	--	0.0012 U	0.0341	0.0071	--	0.0037
9/16/02	0.0007 U	0.0020 U	0.0092	0.0004 U	--	0.0020 U	--	0.0026	0.0025	0.0061	--	0.0024
6/3/03	0.0014 U	0.0040 U	0.2364	0.0008 U	--	0.0048	--	0.0010 U	0.0590	0.0246	--	0.0020 U
10/9/03	0.0045 U	0.0040 U	0.1753	0.0080 U	--	0.0100 U	--	0.0025 U	0.0524	0.0500 U	--	0.0020 U
3/25/04	0.0009 U	0.0020 U	0.0733	0.0016 U	--	0.0061	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0087	0.2284	0.0012 U	--	0.0100	--	0.0025	0.0614	0.0245	--	0.0179
4/6/05	0.0028 U	0.0020 U	0.0603	0.0012 U	--	0.0076	--	0.0020 U	0.0022	0.0160	--	0.0026
9/21/05	0.0028 U	0.0027	0.1653	0.0012 U	--	0.0051	--	0.0007 U	0.0437	0.0232	--	0.0030
4/4/06	0.0006 U	0.0020 U	0.1678	0.0007 U	--	0.0050	--	0.0020 U	0.0411	0.0149	--	0.0031
9/25/06	0.0007 U	0.0020 U	0.1785	0.0009 U	--	0.0020	--	0.0007 U	0.0360	0.0076	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.1767	0.0009 U	0.363	--	--	0.0007 U	0.0664	0.0092	--	0.0007 U
10/3/07	0.0020 U	0.0072	0.1365	0.0009 U	0.612	--	--	0.0024	0.0239	0.0108	--	0.0079
3/26/08	0.0005 U	0.0031	0.1441	0.0010 U	0.265	--	--	0.0020 U	0.0361	0.0088	--	0.0020 U
9/24/08	0.0010 U	0.0040 U	0.1335	0.0020 U	0.775	--	--	0.0016 U	0.0332	0.0109	--	0.0020 U
3/9/09	0.0010 U	0.0100 U	0.1616	0.0012 U	0.441	--	--	0.0102	0.0204	0.0119	--	0.0100 U
9/22/09	0.0020 U	0.0020 U	0.1510	0.0020 U	--	0.0025	99.0	0.0020 U	0.0360	0.0103	1.6	0.0020 U
7/26/10	0.0010 U	0.0013	0.1500	0.0010 U	--	0.0032	--	0.0030	0.0340	0.0030	--	0.0010 U
9/15/10	0.0050 U	0.0050 U	0.1820	0.0050 U	--	0.0050 U	89.8	0.0050 U	0.0337	0.0102	1.3	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.9570	0.0102	--	0.0059	84.7	0.0321	0.1440	0.1700	48.4 U	0.0723
9/6/11	0.0050 U	0.0050 U	0.1660	0.0050 U	--	0.0050 U	93.5	0.0050 U	0.0250	0.0057	1.0	0.0050 U
3/12/12	0.0050 U	0.0050 U	0.1830	0.0050 U	--	0.0050 U	93.4	0.0050 U	0.0250	0.0057	1.1	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/13/12	0.0050 U	0.0050 U	0.1650	0.0050 U	--	0.0050 U	91.4	0.0050 U	0.0271	0.0065	1.1	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.1910	0.0050 U	--	0.0050 U	85.3	0.0050 U	0.0240	0.0143	1.1	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.1650	0.0050 U	--	0.0050 U	99.6	0.0050 U	0.0256	0.0065	1.2	0.0050 U
3/11/14	0.0050 U	0.0050 U	0.2060	0.0050 U	--	0.0050 U	79.6	0.0050 U	0.0235	0.0058	0.9	0.0050 U
9/10/14	0.0050 U	0.0050 U	0.1850	0.0050 U	--	0.0050 U	97.3	0.0050 U	0.0246	0.0067	1.1	0.0050 U
3/19/15	0.0020 U	0.0022	0.1800	0.0020 U	--	0.0026 J	100.0	0.0210	0.0250	0.0048 J	0.9	0.0020 U
9/1/15	0.0010 U	0.0035	0.1500	0.0010 U	--	0.0020	120.0	0.0050 U	0.0320	0.0050 U	0.8	0.0010 U
3/21/16	0.0020 U	0.0022	0.1930	0.0020 U	--	0.0020	110.0	0.0044	0.0271	0.0037	1.7	0.0020 U
8/30/16	0.0020 U	0.0020 U	0.1790	0.0020 U	--	0.0020 U	113.0	0.0020 U	0.0302	0.0038	1.6	0.0020 U
3/8/17	0.0020 U	0.0054	0.1610	0.0020 U	--	0.0020 U	121.0	0.0080	0.0388	0.0146	2.4	0.0020 U
9/14/17	0.0020 U	0.0020 U	0.1480	0.0020 U	--	0.0020 U	109.0	0.0051	0.0319	0.0020 U	1.7	0.0020 U
3/29/18	0.0020 U	0.0036	0.1590	0.0020 U	--	0.0020 U	126.0	0.0104	0.0300	0.0028	1.4	0.0020 U
9/5/18	0.0020 U	0.0028	0.1820	0.0020 U	--	0.0020 U	122.0	0.0104	0.0337	0.0046	1.3	0.0020 U
4/10/19	0.0010 U	0.0011	0.1650	0.0010 U	--	0.0010	99.7 B	0.0013	0.0383	0.0019	1.9	0.0010 U
7/29/19	0.0010 U	0.0012	0.1910	0.0010 U	--	0.0012	103.0 B	0.0013	0.0356	0.0080	2.0	0.0019
3/11/20	0.0010 U	0.0010 U	0.2070	0.0010 U	--	0.0012	113.0	0.0011	0.0363	0.0053	1.6	0.0011

Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	5.420	0.0002 U	0.0293	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	6.990	0.0001 U	0.0343	--	0.0020 U	0.0044 U	--	0.0010	0.2000 U	0.0007 U	--
3/13/02	--	6.386	0.0002 U	0.0224	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	1.182	0.0001 U	0.0055	--	0.0042	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/3/03	--	5.866	0.0004	0.0307	--	0.0024 U	0.0192 U	--	0.0020 U	0.0008 U	0.0006 U	--
10/9/03	--	5.688	0.0003	0.0323	--	0.0035 U	0.0110 U	--	0.0020 U	0.0003 U	0.0020 U	--
3/25/04	--	0.536	0.0019	0.0138	--	0.0020 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/21/04	--	5.137	0.0011	0.0437	--	0.0048	0.0018 U	--	0.0010 U	0.0020 U	0.0020 U	--
4/6/05	--	0.899	0.0019	0.0182	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	5.408	0.0003	0.0343	--	0.0022	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	--	6.889	0.0002 U	0.0382	--	0.0022	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	4.922	0.0003	0.0236	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0005	0.0228	--	0.0029	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0193
10/3/07	--	--	0.0014	0.0306	--	0.0067	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0229
3/26/08	--	--	0.0008	0.0285	--	0.0022	0.0001 U	--	0.0010 U	0.0500 U	0.0020 U	0.0219
9/24/08	--	--	0.0005	0.0269	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0250
3/9/09	--	--	0.0009	0.0376	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0305
9/22/09	69.200	5.230	0.0002	0.0299	5.71	0.0048	0.0020 U	107.0	0.0020 U	--	0.0020 U	0.0249
7/26/10	--	--	0.0002	0.0250	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0270
9/15/10	67.000	6.380	0.0002 U	0.0232	6.81	0.0062	0.0050 U	101.0	0.0050 U	--	0.0050 U	0.0218
4/20/11	55.000	13.100	0.0002 U	0.0701	13.70 J	0.0185	0.0050 U	38.5 J	0.0050 U	--	0.0919	0.2670
9/6/11	68.600	5.830	0.0002 U	--	6.83	0.0050 U	0.0050 U	99.8	0.0050 U	--	0.0050 U	0.0210
3/12/12	69.900	6.290	0.0002 U	0.0186	6.41	0.0050 U	0.0050 U	99.4	0.0050 U	--	0.0050 U	0.0211

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/13/12	64.800	6.140	0.0002 U	0.0226	6.84	0.0071	0.0050 U	95.1	0.0050 U	--	0.0050 U	0.0223
3/26/13	65.700	6.820	0.0002 U	0.0202	7.39	0.0050 U	0.0050 U	99.5	0.0050 U	--	0.0050 U	0.0206
9/12/13	70.600	7.210	0.0002 U	0.0239	6.78	0.0050 U	0.0050 U	102.0	0.0050 U	--	0.0050 U	0.0192
3/11/14	57.400	6.800	0.0002 U	0.0179	6.79	0.0050 U	0.0050 U	83.0	0.0050 U	--	0.0050 U	0.0222
9/10/14	69.100	7.370	0.0002 U	0.0225	5.83	0.0054	0.0050 U	99.7	0.0050 U	--	0.0050 U	0.0189
3/19/15	76.000	7.800	0.0003	0.0400	5.90	0.0350 U	0.0100 U	95.0	0.0020 U	--	0.0100 U	0.0220
9/1/15	84.000	8.700	0.0002 U	0.0260	6.40	0.0094	0.0010 U	120.0	0.0011	--	0.0050 U	0.0190
3/21/16	77.600	8.920	0.0002 U	0.0240	4.64	0.0062	0.0020 U	106.0	0.0010 U	--	0.0020 U	0.0169
8/30/16	80.000	9.250	0.0002 U	0.0264	5.37	0.0055	0.0020 U	111.0	0.0010 U	--	0.0020 U	0.0141
3/8/17	83.900	10.600	0.0002 U	0.0387	5.24	0.0084	0.0020 U	115.0	0.0010 U	--	0.0026	0.0183
9/14/17	75.700	9.220	0.0002 U	0.0275	5.36	0.0045	0.0020 U	108.0	0.0010 U	--	0.0020 U	0.0144
3/29/18	85.000	10.300	0.0002 U	0.0299	5.45	0.0078	0.0020 U	120.0	0.0010 U	--	0.0020 U	0.0163
9/5/18	81.200	10.900	0.0002 U	0.0319	5.10	0.0069	0.0020 U	108.0	0.0010 U	--	0.0028	0.0200
4/10/19	85.800	13.200	0.0002	0.0342	5.67	0.0010	0.0010 U	123.0	0.0010 U	--	0.0010 U	0.0189
7/29/19	83.900	13.500	0.0010	0.0325	5.70	0.0010 U	0.0010 U	118.0 B	0.0010 U	--	0.0010 U	0.0204
3/11/20	98.300	14.700	0.0003	0.0310	5.95	0.0010 U	0.0010 U	139.0	0.0010 U	--	0.0010 U	0.0219

Gude Landfill

Printed 5/20/20

Monitoring Location OB11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7							0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	20.54	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.22		3.07
9/4/01	0.18 U	1.00 U	0.23 U	5.49	43.34	1.26	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.69		6.21
3/13/02	0.18 U	1.00 U	0.23 U	5.31	60.97	1.71	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	4.55		10.71
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.43	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U		1.19
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	13.69	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.17		2.59
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	23.13	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	1.8	1.96		4.87
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	18.91	1.00 U	0.22 U	0.18 U	1.00 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U		2.28
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	26.32	1.00 U	0.35 U	2.00	0.40 U	1.00 U	0.33 U	0.28 U	2.2	2.59		7.10
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	9.72	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U		2.69
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	30.41	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.16		6.69
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	27.58	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.15		7.89
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	6.36	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	2.36		5.03
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	14.01	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U		3.93
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	28.55	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	5.76		8.63
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	28.90	0.76	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	2.5	5.34		7.85
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	24.24	0.53	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	2.1	4.48		7.26
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	23.08	0.61	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	3.60		6.44
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	27.80	0.89 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.5	1.00 U		7.20
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	29.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	2.0	4.00		7.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	16.40	1.07 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.1 J	1.88 J		4.06

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location OB11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.80	2.8	1.00 U	3.70
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	15.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	2.1	1.00 U	4.60
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	15.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	15.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.9	2.48	4.08
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	16.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.1	3.56	3.75
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	13.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	2.09	3.90
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	15.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.2	2.50	4.48
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	15.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.1	2.68	4.70
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	16.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.7	2.66	5.10
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	14.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.5	2.41	4.46
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	15.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.6	2.60	4.94
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	13.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.6	2.16	4.20
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	14.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.5	2.57	4.67
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	13.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.3	2.31	4.45
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	5.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.1	1.00 U	2.10
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	13.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.8	2.60	4.80
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	10.10	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.5	1.50	3.50

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	6.48	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	1.00 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	12.45	0.27 U	1.00 U
3/13/02	0.21 U	0.19 U	10.00 U	1.00 U	--	1.00 U	0.18 U	0.14 U	--	1.00 U	--	--	--	17.54	0.27 U	1.00 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	4.70	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	6.16	0.11 U	1.21	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	7.54	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	0.11	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	9.88	0.23 U	0.29 U	0.37 U	1.15	0.29 U	--	0.39 U	--	--	--	7.71	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.75	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	8.53	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	5.66	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	5.76	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.87	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.45	0.23 U	2.95	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	9.72	0.31 U	1.00 U
3/26/08	0.24 U	0.20 U	11.24	1.43	--	0.27 U	--	0.25 U	--	--	--	--	--	7.37	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	12.30	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	7.13	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	6.67	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	15.20	1.00 U	0.66 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	7.51	1.00 U	1.00 U
7/26/10	--	1.00 U	15.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	7.00	--	1.00 U
9/15/10	2.00 U	2.00 U	9.32	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	22.80	--	2 U	--	3.59	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB11A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	3.50	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	15.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.30	--	1.00 U
9/13/12	1.00 U	1.00 U	13.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	13.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	15.00	1.43	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.13	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	13.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.94	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	15.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.93	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	12.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.47	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	18.00	1.01	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.59	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	17.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.31	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	18.10	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.33	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	17.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.81	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	17.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.01	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	16.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.82	1.00 U	1.00 U
4/10/19	--	1.00 U	8.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/29/19	--	1.00 U	18.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.20	--	5 U	1 U	2.80	--	1.00 U
3/11/20	--	1.00 U	18.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.50	--	1.00 U

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	36.21	1.0 U	1.00 U	0.21 U	--	56.95	0.19 U	0.17 U	34.44	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	76.27	1.5	1.00 U	0.21 U	--	118.77	0.19 U	0.17 U	54.78	--
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	102.70	1.3	1.20	0.21 U	--	99.48	0.19 U	1.00 U	80.37	--
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	13.44	0.19 U	0.17 U	1.00 U	--
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	19.98	1.0 U	0.23 U	0.21 U	--	54.65	0.19 U	0.17 U	13.96	--
10/9/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	38.78	1.0 U	1.00 U	0.21 U	--	87.72	0.19 U	0.17 U	24.07	--
3/25/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	4.61	1.0 U	1.00 U	0.21 U	--	37.71	0.19 U	0.17 U	18.50	--
9/21/04	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	54.04	1.0 U	1.00 U	0.25 U	--	102.11	0.29 U	0.27 U	44.59	--
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	5.74	0.3 U	0.27 U	0.25 U	--	23.84	0.29 U	0.27 U	21.93	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	51.74	1.0 U	1.00 U	0.25 U	--	126.58	0.29 U	0.27 U	62.80	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	51.24	1.0 U	0.27 U	0.25 U	--	119.67	0.29 U	0.27 U	26.88	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	34.47	0.3 U	0.27 U	0.25 U	--	100.04	0.29 U	0.27 U	16.99	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	23.03	1.0 U	0.27 U	0.25 U	--	86.72	0.29 U	0.27 U	12.06	--
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	52.49	1.0 U	1.00 U	0.25 U	--	189.64	0.29 U	0.27 U	38.65	--
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	42.48	0.5 U	0.50 U	0.50 U	--	189.43	0.13 U	0.15 U	30.91	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	39.60	0.5	0.50 U	0.20 U	--	173.52	0.12 U	0.13 U	24.29	--
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	33.51	0.1 U	0.12 U	0.50 U	--	148.44	0.12 U	0.13 U	25.02	--
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	36.90	0.7 J	1.00 U	1.00 U	--	168.00	1.00 U	1.00 U	30.00	--
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	34.00	1.0 U	1.00 U	1.00 U	--	180.00	1.00 U	1.00 U	17.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	20.60	0.9 J	2.00 U	2.00 U	--	81.60	2.00 U	2.00 U	90.30	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	29.00	1.0 U	1.00 U	1.40	--	76.00	1.00 U	1.00 U	--	--
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	24.00	1.0 U	1.00 U	1.00 U	--	100.00	1.00 U	1.00 U	--	--
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	22.30	1.0 U	1.00 U	1.00 U	--	89.00	1.00 U	1.00 U	12.00	--
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.50	1.0 U	1.00 U	1.00 U	--	78.60	1.00 U	1.00 U	9.99	--
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.10	1.0 U	1.00 U	1.00 U	--	96.50	1.00 U	1.00 U	9.86	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	17.60	1.0 U	1.00 U	1.00 U	--	68.50	1.00 U	1.00 U	6.57	--
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.68	1.00 U	1.00 U	1.00 U	--
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.40	1.0 U	1.00 U	1.00 U	--	75.80	1.00 U	1.00 U	2.54	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.20	1.0 U	1.00 U	1.00 U	--	74.20	1.00 U	1.00 U	4.95	--
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	25.20	1.0 U	1.00 U	1.00 U	--	74.80	1.00 U	1.00 U	5.60	--
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	23.30	1.0 U	1.00 U	1.00 U	--	68.10	1.00 U	1.00 U	4.01	--
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	24.30	1.0 U	1.00 U	1.00 U	--	73.80	1.00 U	1.00 U	3.53	--
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.50	1.0 U	1.00 U	1.00 U	--	65.50	1.00 U	1.00 U	2.60	--
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	22.40	1.0 U	1.00 U	1.00 U	--	68.30	1.00 U	1.00 U	2.52	--
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.40	1.0 U	1.00 U	1.00 U	--	60.80	1.00 U	1.00 U	2.40	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.10	1.0 U	1.00 U	1.00 U	1 U	27.60	1.00 U	1.00 U	--	5 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	23.60	1.0 U	1.00 U	1.00 U	1 U	97.30	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.0 U	1.00 U	1.00 U	1 U	56.70	1.00 U	1.00 U	--	5 U

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

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	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/27/01	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	17.41	0.22 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
9/4/01	0.26 U	--	1.02	0.28 U	0.17 U	--	--	0.22 U	36.20	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
3/13/02	0.26 U	--	1.84	1.00 U	0.17 U	--	--	0.22 U	52.22	1.00 U	0.23 U	1.00 U	0.17 U	1.00 U	0.21 U
9/16/02	0.26 U	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/3/03	0.26 U	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	7.18	1.00 U	0.23 U	1.00 U	0.17 U	1.00 U	0.21 U
10/9/03	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	11.68	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
3/25/04	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	13.59	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/21/04	0.23 U	--	1.38	2.00 U	0.28 U	--	--	0.25 U	15.83	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/6/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.53	0.40 U	0.28 U	--	--	0.25 U	10.77	0.23 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/4/06	0.23 U	--	1.07	0.40 U	0.28 U	--	--	0.25 U	8.39	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
9/25/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	3.60	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	2.74	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
10/3/07	0.23 U	--	1.55	0.40 U	0.28 U	--	--	0.25 U	9.30	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
3/26/08	0.26 U	--	1.23	0.43 U	--	--	5.00 U	0.15 U	5.59	0.22 U	0.21 U	0.22 U	0.22 U	0.50 U	0.20 U
9/24/08	0.12 U	--	1.03	0.23 U	--	--	5.00 U	0.20 U	1.73	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	0.87	0.23 U	--	--	5.76	0.20 U	2.72	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
9/22/09	1.00 U	--	0.73 J	2.00 U	1.00 U	--	2.49	1.00 U	1.77	1.00 U	1.00 U	1.00 U	1.00 U	0.36 J	1.00 U
7/26/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	3.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	2.00	2.00 U	5.45	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

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	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
4/20/11	1.00 U	--	--	--	1.00 U	--	3.80	1.00 U	1.80	--	--	--	--	--	1.00 U
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/12/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/13/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/29/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	2.10	1.00 U	5.60	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.60	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

Gude Landfill Monitoring Location OB11A - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	31.27	0.24 U	--	2.55	0.13 U	1.00 U	31.80	3.62	--	--	--
9/4/01	0.21 U	90.32	0.24 U	--	4.86	0.13 U	1.00 U	73.37	6.70	--	--	--
3/13/02	0.21 U	115.70	1.00 U	--	7.04	0.13 U	1.09	101.67	9.27	--	--	--
9/16/02	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	7.41	0.18 U	--	--	--
6/3/03	0.21 U	20.10	0.24 U	--	2.01	0.13 U	0.14 U	19.82	1.93	--	--	--
10/9/03	0.21 U	67.55	1.00 U	--	4.03	0.13 U	0.14 U	41.58	2.72	--	6.93	--
3/25/04	0.21 U	15.44	0.24 U	--	1.00 U	0.13 U	1.00 U	16.84	0.18 U	--	0.96	--
9/21/04	1.00 U	53.93	1.00 U	--	3.65	0.24 U	0.30 U	51.64	4.34	--	10.51	--
4/6/05	0.18 U	28.72	0.32 U	--	0.45 U	0.24 U	0.30 U	16.94	1.95	--	1.00 U	--
9/21/05	0.18 U	42.58	1.00 U	--	4.65	0.24 U	0.30 U	50.65	2.97	--	13.30	--
4/4/06	0.18 U	47.07	0.32 U	--	3.57	0.24 U	0.30 U	52.60	2.52	--	7.95	--
9/25/06	0.18 U	37.10	0.32 U	--	3.67	0.24 U	0.30 U	34.14	1.24	--	12.01	--
4/17/07	0.18 U	23.91	0.32 U	--	2.74	0.24 U	0.30 U	24.25	1.04	--	10.23	--
10/3/07	1.00 U	51.32	1.00 U	--	8.79	0.24 U	0.30 U	53.80	3.79	--	18.34	--
3/26/08	0.23 U	54.18	0.28 U	0	9.82	0.08 U	--	50.90	2.90	--	13.71	--
9/24/08	0.13 U	53.26	0.50 U	0	10.82	0.13 U	--	45.34	2.10	--	12.75	--
3/9/09	0.13 U	44.75	0.50 U	0	5.07	0.13 U	--	39.05	2.09	--	13.43	--
9/22/09	1.00 U	33.80	1.00 U	--	5.45	1.00 U	1.00 U	42.40	2.14	--	15.40	--
7/26/10	--	46.00	1.00 U	--	5.00	1.00 U	5.00 U	41.00	1.00 U	1 U	15.00	--
9/15/10	2.00 U	10.70	2.00 U	--	3.18	2.00 U	2.00 U	21.60	2.53	2 U	31.60	--

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

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	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/20/11	--	14.00	1.00 U	--	1.00 U	1.00 U	5.00 U	17.00	2.90	1 U	11.00	1 U
9/6/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	--	27.00	1.00 U	--	3.10	1.00 U	5.00 U	28.00	1.00 U	1 U	12.00	1 U
9/13/12	1.00 U	22.80	1.00 U	--	1.00 U	1.00 U	5.00 U	24.70	1.00 U	5 U	13.10	--
3/26/13	1.00 U	19.10	1.00 U	--	3.02	1.00 U	5.00 U	24.00	1.00 U	5 U	12.90	--
9/12/13	1.00 U	19.70	1.00 U	--	3.91	1.00 U	5.00 U	28.80	1.00 U	5 U	14.90	--
3/11/14	1.00 U	12.80	1.00 U	--	2.68	1.00 U	5.00 U	20.10	1.00 U	5 U	11.10	--
9/10/14	1.00 U	1.23	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	10.30	1.00 U	--	2.94	1.00 U	5.00 U	21.50	1.00 U	5 U	14.70	--
9/1/15	1.00 U	6.78	1.00 U	--	2.93	1.00 U	5.00 U	18.60	1.00 U	5 U	14.00	--
3/21/16	1.00 U	8.60	1.00 U	--	3.44	1.00 U	5.00 U	20.90	1.00 U	5 U	15.90	--
8/30/16	1.00 U	6.69	1.00 U	--	3.06	1.00 U	5.00 U	15.80	1.00 U	5 U	14.80	--
3/8/17	1.00 U	5.85	1.00 U	--	3.33	1.00 U	5.00 U	15.10	1.00 U	5 U	15.40	--
9/14/17	1.00 U	4.99	1.00 U	--	2.84	1.00 U	5.00 U	12.50	1.00 U	5 U	12.70	--
3/29/18	1.00 U	4.45	1.00 U	--	2.99	1.00 U	5.00 U	13.40	1.00 U	5 U	13.20	--
9/5/18	1.00 U	3.78	1.00 U	--	2.95	1.00 U	5.00 U	11.80	1.07	5 U	14.40	--
4/10/19	--	1.40	1.00 U	--	1.30	1.00 U	1.00 U	4.30	1.00 U	1 U	6.90	--
7/29/19	--	10.40	1.00 U	--	3.30	1.00 U	1.00 U	12.10	1.00 U	1 U	15.00	--
3/11/20	--	2.80	1.00 U	--	2.60	1.00 U	1.00 U	9.50	1.00 U	1 U	14.10	--

Gude Landfill
Monitoring Location OB12 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.054	--
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026	--
9/26/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.072	--
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.025	--
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	110.0	0.20 U	8.5 J	69.9000	--	--	165.0	1.6220	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/21/10	108.0	0.20 U	7.4 J	65.8000	--	--	162.0	1.3770 HT	1 HT	0.05 U	--	--	--	--	--
4/21/11	44.0	0.20 U	6.9	80.1000	--	--	182.0	1.5900	2	0.05 U	--	--	--	--	--
9/6/11	106.0	0.20 U	10.0 U	62.7000	--	--	153.0	1.1400	1	0.05 U	--	--	--	--	--
3/7/12	116.0	0.20 U	8.1	76.9000	--	--	194.0	1.2600	1	0.05 U	--	--	--	--	--
9/12/12	113.0	0.20 U	10.0 U	66.4000	--	--	160.0	0.9900	1	0.05 U	--	--	--	--	--
3/26/13	119.0	0.20 U	21.0	79.0000	--	0	178.0	1.0200	1	0.05 U	313	5.81	--	--	546
9/12/13	126.0	0.20 U	10.0 U	70.5000	--	0	178.0	0.8700	1	0.05 U	255	5.53	--	--	436
3/11/14	123.0	0.20 U	10.0 U	77.9000	--	0	200.0	0.8300	--	--	337	5.56	--	--	470
9/3/14	138.0	0.20 U	10.0 U	77.4000	--	--	208.0	0.6950	1	0.05 U	379	5.92	--	--	482

Gude Landfill
Monitoring Location OB12 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
3/23/15	125.0	0.20 U	10.0 U	80.7000	--	0	202.0	0.7400	1	0.05 U	401	5.81	--	--	445
9/2/15	132.0	0.20 U	10.8	80.0000	--	1	182.0	0.8030	1	0.05 U	347	5.80	--	--	484
3/23/16	122.0	0.20 U	10.0 U	84.6000	--	0	188.0	0.5880	1	0.05 U	331	5.64	--	--	471
8/29/16	129.0	0.20 U	10.0 U	84.3000	--	--	218.0	0.5750	1	0.05 U	212	5.69	--	--	501
3/8/17	135.0	0.20 U	10.0 U	87.2000	--	--	224.0	0.5410	1	0.05 U	327	5.54	--	--	471
9/18/17	120.0	0.20 U	10.0 U	77.4000	--	0	192.0	0.6360	1	0.05 U	241	5.75	--	--	504
4/3/18	118.0	0.20 U	10.0 U	84.4000	--	--	190.0	0.5330	1	0.05 U	158	5.79	--	--	463
9/11/18	129.0	0.20 U	10.0 U	84.9000	--	--	191.0	0.4650	0	0.05 U	80	5.57	--	--	539
4/10/19	124.0	0.10 U	10.0	75.6000	--	0	--	0.2000 U	--	--	103	5.59	5.78	--	627
8/6/19	153.0	0.10 U	6.3	97.8000	--	0	--	1.2000	--	--	4	5.36	6.05	--	1
3/11/20	138.0	0.10 U	14.2	81.5000	--	0	--	0.4000	--	--	1	5.67	5.84	--	535

Gude Landfill
Monitoring Location OB12 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/6/05	--	--	--	--	--	0	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	7.1	--	--	308	--	--	2.5	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	7.1	--	--	408	--	--	0.3	--
4/21/11	--	4.8	--	--	120	--	--	0.2	--
9/6/11	--	5.6	--	--	296	--	--	--	--
3/7/12	--	12.0	--	--	340	--	--	--	--
9/12/12	--	4.6	--	--	312	--	--	--	--
3/26/13	--	13.4	--	14.0	236	--	--	--	0.0
9/12/13	--	5.8	--	14.9	364	--	--	--	1.3
3/11/14	--	14.4	--	14.2	308	--	--	--	1.4
9/3/14	--	11.6	--	14.6	292	--	--	--	0.9

Gude Landfill
Monitoring Location OB12 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/23/15	--	16.0	--	12.1	338	--	--	--	0.0
9/2/15	--	5.9	--	15.7	229	--	--	--	0.2
3/23/16	--	13.6	--	17.1	316	--	--	--	0.0
8/29/16	--	9.0	--	18.0	294	--	--	--	0.0
3/8/17	--	12.3	--	14.5	224	--	--	--	0.0
9/18/17	--	7.8	--	15.7	308	--	--	--	0.0
4/3/18	--	13.2	--	13.2	222	--	--	--	0.8
9/11/18	--	13.2	--	16.1	301	--	--	--	0.0
4/10/19	521	24.7	--	16.3	306	--	2.6 U	0.9	2.2
8/6/19	606	16.7	--	16.4	370	--	2.4 U	0.5 U	0.0
3/11/20	571	19.9	--	15.1	324	--	2.3 U	1.0	0.7

Gude Landfill
Monitoring Location OB12 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.022	0.005 U	0.005 U	34.2	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	23.1	0.105	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.018	0.005 U	0.005 U	38.2	0.01 U	0.01 U	0.005	0.2 U	0.005 U	25.1	0.117	0.0002 U
9/12/12	0.005 U	0.005 U	0.018	0.005 U	0.005 U	32.8	0.01 U	0.01 U	0.005 U	0.2	0.005 U	20.4	0.108	0.0002 U
3/26/13	0.005 U	0.005 U	0.019	0.005 U	0.005 U	37.0	0.01 U	0.01 U	0.011	0.2 U	0.005 U	23.1	0.109	0.0002 U
9/12/13	0.005 U	0.005 U	0.019	0.005 U	0.005 U	34.9	0.01 U	0.01 U	0.005 U	0.2	0.005 U	21.3	0.120	0.0002 U
3/11/14	0.005 U	0.005 U	0.021	0.005 U	0.005 U	36.2	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	23.0	0.119	0.0002 U
9/3/14	0.005 U	0.005 U	0.021	0.005 U	0.005 U	37.2	0.01 U	0.01 U	0.005 U	0.2	0.005 U	22.9	0.129	0.0002 U
3/23/15	0.002 U	0.002 U	0.015	0.002 U	0.004 U	40.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	26.0	0.110	0.0002 U
9/2/15	0.001 U	0.001 U	0.014	0.001 U	0.001 U	39.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	24.0	0.140	0.0002 U
3/23/16	0.002 U	0.002 U	0.015	0.002 U	0.002 U	38.7	0.00	0.00 U	0.002 U	0.2	0.002 U	24.3	0.109	0.0002 U
8/29/16	0.002 U	0.002 U	0.015	0.002 U	0.002 U	39.1	0.00 U	0.00 U	0.002 U	0.2	0.002 U	24.5	0.138	0.0002 U
3/8/17	0.002 U	0.002 U	0.016	0.002 U	0.002 U	38.6	0.00 U	0.00 U	0.007	0.2	0.002 U	23.9	0.126	0.0002 U
9/18/17	0.002 U	0.002 U	0.014	0.002 U	0.002 U	41.1	0.00 U	0.00 U	0.002 U	0.2	0.002 U	25.2	0.134	0.0002 U
4/3/18	0.002 U	0.002 U	0.015	0.002 U	0.002 U	37.6	0.01	0.00 U	0.002 U	0.1 U	0.002 U	23.0	0.110	0.0002 U
9/11/18	0.002 U	0.002 U	0.015	0.002 U	0.002 U	39.8	0.00	0.00 U	0.002 U	0.1 U	0.002 U	27.4	0.132	0.0002 U

**Gude Landfill
Monitoring Location OB12 - Dissolved Metals**

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	3.3	0.005 U	0.01 U	24.8	0.005 U	0.01 U	0.005
9/6/11	0.01	--	--	--	--	--	--	--
3/7/12	0.01	2.9	0.005 U	0.01 U	30.7	0.005 U	0.01 U	0.006
9/12/12	0.01	2.9	0.005 U	0.01 U	22.5	0.005 U	0.01 U	0.008
3/26/13	0.01	2.9	0.005 U	0.01 U	27.6	0.005 U	0.01 U	0.006
9/12/13	0.01	2.8	0.005 U	0.01 U	22.2	0.005 U	0.01 U	0.005 U
3/11/14	0.01	2.7	0.005 U	0.01 U	24.1	0.005 U	0.01 U	0.007
9/3/14	0.01	2.6	0.005 U	0.01 U	25.6	0.005 U	0.01 U	0.009
3/23/15	0.01 J	3.9	0.035 U	0.01 U	28.0	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	2.7	0.005 U	0.00 U	25.0	0.001 U	0.01 U	0.005 U
3/23/16	0.01	3.6	0.002 U	0.00 U	25.8	0.001 U	0.00 U	0.002
8/29/16	0.01	3.0	0.002 U	0.00 U	26.0	0.001 U	0.00 U	0.002
3/8/17	0.01	2.4	0.002 U	0.00 U	25.0	0.001 U	0.00 U	0.004
9/18/17	0.01	2.6	0.002 U	0.00 U	25.4	0.001 U	0.00 U	0.003
4/3/18	0.01	3.1	0.002	0.00 U	24.2	0.001 U	0.00	0.004
9/11/18	0.01	2.7	0.002	0.00 U	24.8	0.001 U	0.00 U	0.003

Gude Landfill
Monitoring Location OB12 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/6/05	0.0028 U	0.0006 U	0.1420	0.0012 U	--	0.0020 U	--	0.0024	0.0020 U	0.0145	--	0.0020	--
9/21/05	0.0028 U	0.0006 U	0.0989	0.0012 U	--	0.0020 U	--	0.0020	0.0020 U	0.0215	--	0.0032	--
4/5/06	0.0006 U	0.0006 U	0.0431	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0102	--	0.0032	--
9/26/06	0.0007 U	0.0008 U	0.0360	0.0009 U	--	0.0020 U	--	0.0104	0.0020 U	0.0151	--	0.0046	--
4/18/07	0.0020 U	0.0008 U	0.0565	0.0009 U	0.037	--	--	0.0007 U	0.0005 U	0.0048	--	0.0007 U	--
10/4/07	0.0007 U	0.0008 U	0.0146	0.0009 U	0.046	--	--	0.0020	0.0005 U	0.0090	--	0.0020 U	--
3/25/08	0.0005 U	0.0006 U	0.0228	0.0010 U	0.045	--	--	0.0020 U	0.0012 U	0.0055	--	0.0010 U	--
9/24/08	0.0010 U	0.0012 U	0.0200 U	0.0020 U	0.064	--	--	0.0016 U	0.0024 U	0.0070	--	0.0020 U	--
3/10/09	0.0010 U	0.0010 U	0.0298	0.0012 U	0.063	--	--	0.0007 U	0.0007 U	0.0100 U	--	0.0007 U	--
9/21/09	0.0020 U	0.0020 U	0.0186	0.0020 U	--	0.0020 U	33.3	0.0020 U	0.0020 U	0.0061	0.4	0.0020 U	19.700
7/28/10	0.0010 U	0.0009 J	0.0130	0.0010 U	--	0.0010 U	--	0.0006 J	0.0010 U	0.0006 J	--	0.0010 U	--
9/21/10	0.0050 U	0.0050 U	0.0153	0.0050 U	--	0.0050 U	32.3	0.0050 U	0.0050 U	0.0068	0.2 J	0.0050 U	19.800
4/21/11	0.0050 U	0.0050 U	0.0211	0.0050 U	--	0.0050 U	34.1 J	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	27.000 J
9/6/11	0.0050 U	0.0050 U	0.0173	0.0050 U	--	0.0050 U	33.0	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	20.600
3/7/12	0.0050 U	0.0050 U	0.0174	0.0050 U	--	0.0050 U	38.3	0.0050 U	0.0050 U	0.0051	0.2 U	0.0050 U	24.500
9/12/12	0.0050 U	0.0050 U	0.0180	0.0050 U	--	0.0050 U	26.5	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	16.100
3/26/13	0.0050 U	0.0050 U	0.0194	0.0050 U	--	0.0050 U	36.7	0.0050 U	0.0050 U	0.0102	0.2 J	0.0050 U	23.400
9/12/13	0.0050 U	0.0050 U	0.0178	0.0050 U	--	0.0050 U	33.8	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	20.200
3/11/14	0.0050 U	0.0050 U	0.0206	0.0050 U	--	0.0050 U	35.0	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	21.400
9/3/14	0.0050 U	0.0050 U	0.0215	0.0050 U	--	0.0050 U	36.5	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	22.500
3/23/15	0.0020 U	0.0020 U	0.0140	0.0020 U	--	0.0040 U	39.0	0.0100 U	0.0100 U	0.0100 U	0.0 U	0.0020 U	25.000
9/2/15	0.0010 U	0.0010 U	0.0140	0.0010 U	--	0.0005 U	39.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U	23.000
3/23/16	0.0020 U	0.0020 U	0.0152	0.0020 U	--	0.0020 U	38.8	0.0022	0.0020 U	0.0020 U	0.2	0.0020 U	24.400

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB12 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/29/16	0.0020 U	0.0020 U	0.0149	0.0020 U	--	0.0020 U	39.6	0.0020 U	0.0020 U	0.0020 U	0.2	0.0020 U	24.900
3/8/17	0.0020 U	0.0020 U	0.0154	0.0020 U	--	0.0020 U	37.2	0.0042	0.0020 U	0.0033	0.2 U	0.0020 U	23.100
9/18/17	0.0020 U	0.0020 U	0.0142	0.0020 U	--	0.0020 U	37.7	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	22.500
4/3/18	0.0020 U	0.0020 U	0.0151	0.0020 U	--	0.0020 U	37.9	0.0049	0.0020 U	0.0020 U	0.1 U	0.0020 U	23.200
9/11/18	0.0020 U	0.0020 U	0.0157	0.0020 U	--	0.0020 U	38.2	0.0030	0.0020 U	0.0020 U	0.1 U	0.0020 U	23.200
4/10/19	0.0010 U	0.0010 U	0.0177	0.0010 U	--	0.0010 U	33.0 B	0.0010 U	0.0010	0.0010 U	0.1 U	0.0010 U	26.400
8/6/19	0.0010 U	0.0010 U	0.0155	0.0010 U	--	0.0010 U	35.6	0.0010 U	0.0010 U	0.0010 U	0.1 U	0.0010 U	27.600
3/11/20	0.0010 U	0.0010 U	0.0202	0.0010 U	--	0.0010 U	37.6	0.0012	0.0010 U	0.0010 U	0.1 J	0.0010 U	29.100

Gude Landfill
Monitoring Location OB12 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/6/05	1.030	0.0006	0.0058	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.607	0.0004	0.0069	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	0.231	0.0005	0.0065	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	0.168	0.0011	0.0156	--	0.0020 U	0.0020 U	--	0.0007 U	0.0050 U	0.0020 U	--
4/18/07	--	0.0002 U	0.0035	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0130
10/4/07	--	0.0015	0.0062	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0478
3/25/08	--	0.0007	0.0064	--	0.0020 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0222
9/24/08	--	0.0002	0.0066	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0236
3/10/09	--	0.0002 U	0.0100 U	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0125
9/21/09	0.102	0.0003	0.0089	3.00	0.0020 U	0.0020 U	24.5	0.0020 U	--	0.0002 J	0.0100 U
7/28/10	--	0.0002 U	0.0066	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/21/10	0.107	0.0002 U	0.0102	2.32	0.0050 U	0.0050 U	25.4	0.0050 U	--	0.0050 U	0.0077
4/21/11	0.106	0.0002 U	0.0084	3.24	0.0050 U	0.0050 U	27.9 J	0.0050 U	--	0.0050 U	0.0077
9/6/11	0.108	0.0002 U	--	2.69	0.0050 U	0.0050 U	22.8	0.0050 U	--	0.0050 U	0.0063
3/7/12	0.114	0.0002 U	0.0093	3.26	0.0050 U	0.0050 U	30.0	0.0050 U	--	0.0050 U	0.0053
9/12/12	0.119	0.0002 U	0.0070	2.97	0.0050 U	0.0050 U	18.2	0.0050 U	--	0.0050 U	0.0082
3/26/13	0.105	0.0002 U	0.0082	3.33	0.0050 U	0.0050 U	28.4	0.0050 U	--	0.0050 U	0.0051
9/12/13	0.118	0.0002 U	0.0069	2.88	0.0050 U	0.0050 U	21.2	0.0050 U	--	0.0050 U	0.0059
3/11/14	0.115	0.0002 U	0.0076	2.89	0.0050 U	0.0050 U	22.0	0.0050 U	--	0.0050 U	0.0084
9/3/14	0.129	0.0002 U	0.0092	2.51	0.0050 U	0.0050 U	25.1	0.0050 U	--	0.0050 U	0.0096
3/23/15	0.100	0.0002 U	0.0088 J	3.10	0.0350 U	0.0100 U	27.0	0.0020 U	--	0.0100 U	0.0100 U
9/2/15	0.140	0.0002 U	0.0100 U	2.60	0.0050 U	0.0010 U	25.0	0.0010 U	--	0.0050 U	0.0050 U
3/23/16	0.103	0.0002 U	0.0073	2.45	0.0020 U	0.0020 U	25.2	0.0010 U	--	0.0020 U	0.0020 U

Gude Landfill
Monitoring Location OB12 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
8/29/16	0.135	0.0002 U	0.0069	2.63	0.0020 U	0.0020 U	26.2	0.0010 U	--	0.0020 U	0.0020 U
3/8/17	0.126	0.0002 U	0.0086	2.31	0.0022	0.0020 U	24.2	0.0010 U	--	0.0020 U	0.0026
9/18/17	0.136	0.0002 U	0.0060	2.42	0.0020 U	0.0020 U	22.8	0.0010 U	--	0.0020 U	0.0032
4/3/18	0.109	0.0002 U	0.0087	2.33	0.0024	0.0020 U	24.0	0.0010 U	--	0.0020 U	0.0037
9/11/18	0.130	0.0002 U	0.0093	2.26	0.0024	0.0020 U	23.1	0.0010 U	--	0.0020 U	0.0027
4/10/19	0.110	0.0001 U	0.0074	5.00	0.0010 U	0.0010 U	30.0	0.0010 U	--	0.0010 U	0.0076
8/6/19	0.154	0.0001 U	0.0068	2.69	0.0010 U	0.0010 U	28.8	0.0010 U	--	0.0010 U	0.0058 B
3/11/20	0.138	0.0001 U	0.0079	5.68	0.0010 U	0.0010 U	30.7	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB12 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7							0.2	0.05	600	5	5
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U	
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	11.60	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	3.25	
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	2.66	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	2.02	
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	4.97	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	1.00 U	4.85	
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	2.74	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.13	
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	12.73	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	1.59	7.25	
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	8.14	0.50 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.90	3.75	
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	12.72	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	1.08	5.61	
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	10.97	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.79	3.62	
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.4 U	1.00 U	5.55	
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	25.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	7.00	
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	39.20	0.54 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	1.17 J	6.29	
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	3.30	
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	21.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.6	1.00 U	5.80	
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	18.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	9.71	
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	22.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.07	6.48	
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	15.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	8.07	
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	21.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.07	7.09	
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	21.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.55	8.23	

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	20.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.07	7.65
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	18.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.78	11.60
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	21.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.40	9.68
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	16.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.49	10.10
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	23.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.70	6.28
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.66	10.50
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	17.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.56	8.91
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	16.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.57	9.02
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	18.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.10	8.10
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	15.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.40	9.70
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	15.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.10	8.40

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.86	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.52	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.58	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	1.00 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.15	0.31 U	1.29
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	3.77	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.54	0.31 U	1.00 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	1.89	0.20 U	0.50 U
9/24/08	0.11 U	0.13 U	2.82	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	2.66	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.82	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	4.18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	2.63	1.00 U	1.00 U
7/28/10	--	1.00 U	5.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	3.00	--	1.00 U
9/21/10	2.00 U	2.00 U	4.51	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.70 J	--	2 U	--	3.46	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.20	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	5.40	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	3.50	--	1.00 U
9/12/12	1.00 U	1.00 U	6.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	6.13	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.61	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	4.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.27	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	7.28	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.82	1.00 U	--
9/3/14	1.00 U	1.00 U	8.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.95	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/23/15	1.00 U	1.00 U	6.36	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	10.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.41	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	9.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.23	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	8.06	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.95	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	10.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.96	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	8.53	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	8.21	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.66	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	8.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.30	1.00 U	1.00 U
4/10/19	--	1.00 U	7.40	1.00 U	5.00 U	--	5.00 U	--	5 U	9.00	--	5 U	1 U	3.40	--	1.00 U
8/6/19	--	1.00 U	11.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	3.30	--	1.00 U
3/11/20	--	1.00 U	9.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	3.10	--	1.00 U

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	7.4	0.27 U	0.25 U	--	5.03	0.29 U	0.27 U	1.01	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.3	0.27 U	0.25 U	--	11.79	0.29 U	0.27 U	51.05	--
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	2.7	0.27 U	0.25 U	--	7.57	0.29 U	0.27 U	2.12	--
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	1.00 U	1.0	0.27 U	0.25 U	--	18.10	0.29 U	0.27 U	23.19	--
4/18/07	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	22.60	0.29 U	0.27 U	1.00 U	--
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.0 U	0.27 U	0.25 U	--	25.91	0.29 U	0.27 U	41.81	--
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.68	0.1 U	0.21 U	0.50 U	--	25.54	0.13 U	0.15 U	25.43	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.88	2.5	0.12 U	0.20 U	--	26.92	0.12 U	0.13 U	24.95	--
3/10/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.73	2.6	0.12 U	0.20 U	--	26.86	0.12 U	0.13 U	13.67	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.21	1.4	1.00 U	1.00 U	--	21.40	1.00 U	1.00 U	34.60	--
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0	1.00 U	1.00 U	--	29.00	1.00 U	1.00 U	23.00	--
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.46 J	1.6 J	2.00 U	2.00 U	--	26.20	2.00 U	2.00 U	132.00	--
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.10	--	14.00	1.00 U	1.00 U	--	--
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.0 U	1.00 U	1.00 U	--	23.00	1.00 U	1.00 U	--	--
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	32.10	1.00 U	1.00 U	25.20	--
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.27	1.0 U	1.00 U	1.00 U	--	22.50	1.00 U	1.00 U	20.70	--
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.23	1.0 U	1.00 U	1.00 U	--	30.60	1.00 U	1.00 U	12.00	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.69	1.0 U	1.00 U	1.00 U	--	24.90	1.00 U	1.00 U	16.10	--
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.82	1.0 U	1.00 U	1.00 U	--	31.30	1.00 U	1.00 U	22.00	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.65	1.0 U	1.00 U	1.00 U	--	24.50	1.00 U	1.00 U	15.80	--
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.38	1.0 U	1.00 U	1.00 U	--	43.20	1.00 U	1.00 U	19.00	--
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	--	31.60	1.00 U	1.00 U	17.40	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.02	1.0 U	1.00 U	1.00 U	--	38.40	1.00 U	1.00 U	16.30	--
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.57	1.0 U	1.00 U	1.00 U	--	47.40	1.00 U	1.00 U	20.20	--
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.18	1.0 U	1.00 U	1.00 U	--	43.70	1.00 U	1.00 U	17.00	--
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.25	1.0 U	1.00 U	1.00 U	--	33.00	1.00 U	1.00 U	14.00	--
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.44	1.0 U	1.00 U	1.00 U	--	34.50	1.00 U	1.00 U	15.00	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.0 U	1.00 U	1.00 U	1 U	27.80	1.00 U	1.00 U	--	5 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.0 U	1.00 U	1.00 U	1 U	44.60	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.50	1.0 U	1.00 U	1.00 U	1 U	34.30	1.00 U	1.00 U	--	5 U

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/6/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.00	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	7.22	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/5/06	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.00 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/26/06	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	12.30	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/18/07	0.23 U	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	1.72	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/4/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	6.16	1.00 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
3/25/08	0.26 U	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	9.35	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U
9/24/08	0.12 U	--	0.12 U	0.23 U	--	--	5.00 U	0.20 U	6.24	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
3/10/09	0.12 U	--	0.12 U	0.23 U	--	--	5.00 U	0.20 U	4.91	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
9/21/09	1.00 U	--	1.00 U	2.00 U	1.00 U	--	0.66 J	1.00 U	8.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	9.00	--	--	1.00 U	--	--	1.00 U
9/21/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	0.85 J	2.00 U	8.19	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	10.00	--	--	--	--	--	1.00 U
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/7/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	5.90	--	--	--	--	--	1.00 U
9/12/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.01	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	7.93	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.44	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

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Monitoring Location OB12 - Volatile Organic Compounds

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	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
3/23/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.34	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.34	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.76	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.08	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.37	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.25	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	4.10	--	--	1.00 U	--	--	1.00 U
8/6/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.10	1.00 U	3.20 J	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.10	1.00 U	3.60	--	--	1.00 U	--	--	1.00 U

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

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	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/6/05	0.18 U	4.85	1.00 U	--	0.45 U	0.24 U	1.00 U	10.18	0.36 U	--	1.01	--
9/21/05	0.18 U	12.43	0.32 U	--	1.00 U	0.24 U	0.30 U	14.72	2.57	--	1.80	--
4/5/06	0.18 U	5.03	0.32 U	--	0.45 U	0.24 U	0.30 U	13.99	0.36 U	--	1.00 U	--
9/26/06	0.18 U	21.98	0.32 U	--	1.38	0.24 U	0.30 U	17.23	2.26	--	6.32	--
4/18/07	0.18 U	1.00 U	0.32 U	--	1.00 U	0.24 U	0.30 U	0.31 U	0.36 U	--	1.54	--
10/4/07	0.18 U	23.67	1.00 U	--	2.68	0.24 U	0.30 U	24.95	3.46	--	2.90	--
3/25/08	0.23 U	16.57	0.28 U	0	1.42	0.08 U	--	12.65	1.91	--	6.72	--
9/24/08	0.13 U	21.49	0.50 U	0	1.52	0.13 U	--	18.35	1.78	--	3.97	--
3/10/09	0.13 U	7.95	0.50 U	0	1.23	0.13 U	--	6.22	0.80	--	6.99	--
9/21/09	1.00 U	15.40	1.00 U	--	1.91	1.00 U	1.00 U	18.10	2.42	--	6.30	--
7/28/10	--	29.00	1.00 U	--	2.00	1.00 U	5.00 U	22.00	1.00 U	1 U	4.00	--
9/21/10	2.00 U	17.10	2.00 U	--	2.44	2.00 U	2.00 U	20.30	3.80	2 U	6.22	--
4/21/11	--	12.00	1.00 U	--	1.80	1.00 U	5.00 U	9.40	4.50	7	1.00 U	1 U
9/6/11	--	1.80	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	--	22.00	1.00 U	--	2.50	1.00 U	5.00 U	17.00	2.20	1 U	6.40	1 U
9/12/12	1.00 U	26.50	1.00 U	--	1.00 U	1.00 U	5.00 U	24.90	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	22.30	1.00 U	--	2.55	1.00 U	5.00 U	16.70	2.17	5 U	6.64	--
9/12/13	1.00 U	14.40	1.00 U	--	2.09	1.00 U	5.00 U	16.00	1.74	5 U	2.95	--
3/11/14	1.00 U	20.80	1.00 U	--	2.81	1.00 U	5.00 U	16.70	1.87	5 U	5.70	--
9/3/14	1.00 U	18.50	1.00 U	--	2.91	1.00 U	5.00 U	18.30	2.21	5 U	5.66	--

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	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/23/15	1.00 U	15.60	1.00 U	--	2.50	1.00 U	5.00 U	15.00	1.47	5 U	5.76	--
9/2/15	1.00 U	26.20	1.00 U	--	2.65	1.00 U	5.00 U	28.90	2.47	5 U	3.84	--
3/23/16	1.00 U	20.70	1.00 U	--	3.13	1.00 U	5.00 U	19.70	1.92	5 U	6.39	--
8/29/16	1.00 U	17.80	1.00 U	--	2.51	1.00 U	5.00 U	20.30	2.09	5 U	3.88	--
3/8/17	1.00 U	22.40	1.00 U	--	3.69	1.00 U	5.00 U	15.40	2.54	5 U	5.80	--
9/18/17	1.00 U	21.20	1.00 U	--	2.52	1.00 U	5.00 U	21.30	2.29	5 U	3.38	--
4/3/18	1.00 U	18.20	1.00 U	--	2.69	1.00 U	5.00 U	17.70	1.73	5 U	4.14	--
9/11/18	1.00 U	15.80	1.00 U	--	2.71	1.00 U	5.00 U	17.40	2.48	5 U	4.56	--
4/10/19	--	13.00	1.00 U	--	3.20	1.00 U	1.00 U	12.30	1.10	1 U	7.10	--
8/6/19	--	16.20	1.00 U	--	2.60	1.00 U	1.00 U	16.00	1.50	1 U	6.20	--
3/11/20	--	14.80	1.00 U	--	3.00	1.00 U	1.00 U	14.90	1.50	1 U	8.40	--

Gude Landfill
Monitoring Location OB015 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
5/1/01	--	--	--	9.1803	0.002	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	7.2977	0.004	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	20.6060	0.006	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	58.4814	0.001	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	2.5623	0.002 U	--	--	--	--	--	--	--	--	0.018	--
10/9/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.056	--
3/30/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.105	--
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.024	--
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.060	--
4/18/07	--	--	--	--	0.064	--	--	--	--	--	--	--	--	0.029	--
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	242.0	0.65	49.3	3.1600	--	--	600.0	0.2000 U	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/21/10	230.0	0.29	11.2	7.7300	--	--	165.0	0.0080 U	0 U	0.05 U	--	--	--	--	--
4/21/11	74.0	0.20 U	10.0 U	4.6100	--	--	114.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/6/11	228.0	0.31	27.3	10.0000	--	--	156.0	0.2000 U	0 U	0.05 U	--	--	--	--	--

Gude Landfill
Monitoring Location OB015 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
3/7/12	51.0	0.20 U	10.0 U	3.9500	--	--	140.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/12/12	226.0	0.27	17.8	11.9000	--	--	120.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/26/13	33.0	0.20 U	10.0 U	4.7300	--	1	94.0	0.2920	0	0.05 U	406	5.78	--	--	329
9/16/13	151.0	0.20 U	10.0 U	10.8000	--	--	120.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/11/14	29.0	0.20 U	10.0 U	4.0400	--	1	96.0	0.6780	--	--	386	5.40	--	--	237
9/3/14	91.0	0.20 U	11.4	10.3000	--	--	102.0	0.2000 U	0 U	0.05 U	292	6.03	--	--	249
3/23/15	33.0	0.20 U	10.0 U	5.9600	--	0	112.0	1.7800	2	0.05 U	374	6.26	--	--	202
9/2/15	88.0	0.20 U	10.0 U	9.0100	--	2	320.0	0.2000 U	0 U	0.05 U	159	6.04	--	--	325
3/23/16	36.0	0.20 U	10.0 U	7.1400	--	0	92.0	5.1850	5	0.14	299	5.98	--	--	254
8/30/16	151.0	0.20 U	10.0 U	12.3000	--	2	140.0	0.2000 U	0 U	0.05 U	209	5.84	--	--	323
3/8/17	270.0	0.20 U	10.0 U	17.9000	--	--	340.0	0.2000 U	0 U	0.05 U	156	6.28	--	--	634
9/18/17	242.0	0.20 U	10.0 U	16.5000	--	--	142.0	0.2000 U	0 U	0.05 U	177	6.39	--	--	590
4/3/18	177.0	0.20 U	10.0 U	14.3000	--	0	111.0	0.2830	0	0.05 U	128	6.24	--	--	452
9/11/18	82.7	0.20 U	18.7	11.4000	--	--	87.2	0.2000 U	0 U	0.05 U	134	5.79	--	--	308
4/10/19	50.9	0.18	3.0 J	7.1000	--	1	--	0.5000	--	--	116	5.43	5.61	--	367
8/6/19	82.7	0.10 U	3.0 U	10.3000	--	1	--	0.6000	--	--	138	5.56	6.45	--	0
3/11/20	94.8	0.10 U	3.0 U	9.8000	--	1	--	1.2700	--	--	107	6.00	6.18	--	311

Gude Landfill

Monitoring Location OB015 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
5/1/01	--	--	--	--	--	--	--	280.0	--
9/5/01	--	--	--	--	--	--	--	255.0	--
3/13/02	--	--	--	--	--	--	--	102.0	--
9/16/02	--	--	--	--	--	--	--	592.0	--
6/3/03	--	--	--	--	--	0	--	167.0	--
10/9/03	--	--	--	--	--	0 U	--	--	--
3/30/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	78.6	--	--	328	--	--	125.0	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	56.5	--	--	324	--	--	25.4	--
4/21/11	--	78.9	--	--	420	--	--	96.8	--
9/6/11	--	49.2	--	--	528	--	--	--	--

Gude Landfill
Monitoring Location OB015 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/7/12	--	93.2	--	--	272	--	--	--	--
9/12/12	--	37.9	--	--	308	--	--	--	--
3/26/13	--	92.8	--	15.1	184	--	--	--	46.8
9/16/13	--	63.3	--	--	244	--	--	--	--
3/11/14	--	91.8	--	15.4	164	--	--	--	33.0
9/3/14	--	69.1	--	15.7	198	--	--	--	48.1
3/23/15	--	79.0	--	7.3	192	--	--	--	22.1
9/2/15	--	64.2	--	21.2	133	--	--	--	31.6
3/23/16	--	60.6	--	18.2	168	--	--	--	22.9
8/30/16	--	65.1	--	24.9	219	--	--	--	32.3
3/8/17	--	68.1	--	16.3	315	--	--	--	6.0
9/18/17	--	67.6	--	20.0	377	--	--	--	49.0
4/3/18	--	52.3	--	13.7	287	--	--	--	30.8
9/11/18	--	4.9	--	19.9	117	--	--	--	26.2
4/10/19	303	91.0	--	17.0	186	--	2.7 U	4.5	4.4
8/6/19	325	74.4	--	20.5	197	--	23.4	28.8	281.1
3/11/20	331	57.9	--	15.2	151	--	2.3 U	4.7	4.9

Gude Landfill
Monitoring Location OB015 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.072	0.005 U	0.005 U	14.5	0.01 U	0.01 U	0.005 U	1.9	0.005 U	18.2	1.580	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.079	0.005 U	0.005 U	17.9	0.01 U	0.01	0.005 U	11.8	0.005 U	20.6	1.620	0.0002 U
9/12/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/13	0.005 U	0.005 U	0.071	0.005 U	0.005 U	14.1	0.01 U	0.01 U	0.011	0.2 U	0.005 U	15.8	0.164	0.0002 U
9/16/13	0.005 U	0.005 U	0.065	0.005 U	0.005 U	16.1	0.01 U	0.01	0.005 U	15.2	0.005 U	16.9	1.100	0.0002 U
3/11/14	0.005 U	0.005 U	0.063	0.005 U	0.005 U	13.4	0.01 U	0.01 U	0.005 U	0.8	0.005 U	17.1	0.161	0.0002 U
9/3/14	0.005 U	0.005 U	0.077	0.005 U	0.005 U	13.3	0.01 U	0.02	0.005 U	11.3	0.005 U	15.4	0.705	0.0002 U
3/23/15	0.002 U	0.002 U	0.053	0.002 U	0.004 U	9.3	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	14.0	0.027	0.0002 U
9/2/15	0.001 U	0.001 U	0.060	0.001 U	0.001 U	11.0	0.01 U	0.01	0.005 U	13.0	0.001 U	15.0	0.490	0.0002 U
3/23/16	0.002 U	0.002 U	0.056	0.002 U	0.002 U	10.6	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	15.8	0.074	0.0002 U
8/30/16	0.002 U	0.002 U	0.067	0.002 U	0.002 U	13.2	0.00 U	0.01	0.003	8.1	0.002 U	16.3	0.872	0.0002 U
3/8/17	0.002 U	0.002 U	0.096	0.002 U	0.002 U	23.0	0.00 U	0.00	0.017	9.9	0.002 U	25.1	1.690	0.0002 U
9/18/17	0.002 U	0.002 U	0.079	0.002 U	0.002 U	18.4	0.00 U	0.00	0.002 U	8.7	0.002 U	19.2	0.949	0.0002 U
4/3/18	0.002 U	0.002 U	0.067	0.002 U	0.002 U	14.5	0.00	0.00 U	0.002 U	0.4	0.002 U	16.5	0.186	0.0002 U
9/11/18	0.002 U	0.002 U	0.052	0.002 U	0.002 U	10.2	0.00 U	0.00 U	0.002 U	0.7	0.002 U	13.2	0.061	0.0002 U

Gude Landfill
Monitoring Location OB015 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	1.9	0.005 U	0.01 U	29.2	0.005 U	0.01 U	0.033
9/6/11	0.01	--	--	--	--	--	--	--
3/7/12	0.02	2.2	0.005 U	0.01 U	40.3	0.005 U	0.01 U	0.072
9/12/12	0.02	--	--	--	--	--	--	--
3/26/13	0.01	2.2	0.005 U	0.01 U	25.9	0.005 U	0.01 U	0.138
9/16/13	0.01	2.1	0.005 U	0.01 U	51.7	0.005 U	0.01 U	0.058
3/11/14	0.01	1.9	0.005 U	0.01 U	17.6	0.005 U	0.01 U	0.053
9/3/14	0.01	1.9	0.005 U	0.01 U	28.9	0.005 U	--	0.070
3/23/15	0.01 J	1.7	0.035 U	0.01 U	20.0	0.002 U	0.01 U	0.036
9/2/15	0.01 U	2.0	0.005 U	0.00 U	41.0	0.001 U	0.01 U	0.070
3/23/16	0.01	1.4	0.002 U	0.00 U	17.1	0.001 U	0.00 U	0.035
8/30/16	0.01	1.8	0.002 U	0.00 U	49.3	0.001 U	0.00 U	0.047
3/8/17	0.02	2.2	0.002 U	0.00 U	94.0	0.001 U	0.00 U	0.029
9/18/17	0.01	2.0	0.002 U	0.00 U	75.8	0.001 U	0.00 U	0.013
4/3/18	0.00	1.9	0.002 U	0.00 U	70.0	0.001 U	0.00 U	0.015
9/11/18	0.00	1.7	0.002 U	0.00 U	34.0	0.001 U	0.00 U	0.016

Gude Landfill
Monitoring Location OB015 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0020 U	0.0443	0.0005 U	--	0.0006 U	--	0.0034	0.0034	0.0100 U	--	0.0025
9/5/01	0.0020 U	0.0105	0.0795	0.0017 U	--	0.0020 U	--	0.0200	0.0155	0.0497	--	0.0413
3/13/02	0.0005 U	0.0020 U	0.0487	0.0017 U	--	0.0006 U	--	0.0034	0.0061	0.0133	--	0.0031
9/16/02	0.0007 U	0.0310	0.9000	0.0090	--	0.0150	--	0.4250	0.2930	0.7730	--	0.2990
6/3/03	0.0007 U	0.0020 U	0.1019	0.0004 U	--	0.0020 U	--	0.0047	0.0242	0.0213	--	0.0060
10/9/03	0.0045 U	0.0040 U	0.0999	0.0080 U	--	0.0035 U	--	0.0100 U	0.0213	0.0500 U	--	0.0100 U
3/30/04	0.0009 U	0.0008 U	0.1026	0.0016 U	--	0.0007 U	--	0.0020 U	0.0217	0.0113	--	0.0026
9/20/04	0.0028 U	0.0031	0.3716	0.0039	--	0.0020 U	--	0.1041	0.0583	0.0416	--	0.0242
4/6/05	0.0028 U	0.0006 U	0.0852	0.0012 U	--	0.0003 U	--	0.0020 U	0.0219	0.0153	--	0.0020 U
4/5/06	0.0006 U	0.0020 U	0.0991	0.0007 U	--	0.0020 U	--	0.0090	0.0163	0.0267	--	0.0088
9/26/06	0.0140 U	0.0400 U	0.3997	0.0180 U	--	0.0120 U	--	0.3214	0.2322	0.5593	--	0.1747
4/18/07	0.0007 U	0.0008 U	0.0364	0.0009 U	0.045	--	--	0.0007 U	0.0020 U	0.0061	--	0.0020 U
10/3/07	0.0070 U	0.0080 U	0.2282	0.0090 U	0.200 U	--	--	0.0521	0.0599	0.1171	--	0.0409
3/25/08	0.0005 U	0.0006 U	0.0856	0.0010 U	0.037	--	--	0.0020 U	0.0095	0.0067	--	0.0020 U
3/10/09	0.0010 U	0.0010 U	0.0881	0.0012 U	0.054	--	--	0.0100 U	0.0134	0.0100 U	--	0.0100 U
9/21/09	0.0020 U	0.0069	0.1190	0.0020 U	--	0.0042	29.5	0.0190	0.0273	0.0475	54.9	0.0170
7/28/10	0.0010 U	0.0015	0.0720	0.0010 U	--	0.0010 U	--	0.0035	0.0068	0.0022	--	0.0007 J
9/21/10	0.0050 U	0.0050 U	0.0785	0.0050 U	--	0.0050 U	18.0	0.0050 U	0.0050 U	0.0083	27.3	0.0050 U
4/21/11	0.0050 U	0.0050 U	0.0857	0.0050 U	--	0.0050 U	14.8 J	0.0053	0.0072	0.0119	9.2	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.0919	0.0050 U	--	0.0050 U	21.6	0.0050 U	0.0062	0.0094	39.4	0.0050 U
3/7/12	0.0050 U	0.0050 U	0.0722	0.0050 U	--	0.0050 U	16.5	0.0050 U	0.0050 U	0.0066	6.6	0.0050 U
9/12/12	0.0050 U	0.0070	0.0923	0.0050 U	--	0.0050 U	18.3	0.0114	0.0165	0.0408	47.8	0.0079
3/26/13	0.0050 U	0.0050 U	0.0709	0.0050 U	--	0.0050 U	12.9	0.0050 U	0.0050 U	0.0100	2.9	0.0050 U

Gude Landfill
Monitoring Location OB015 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/16/13	0.0050 U	0.0050 U	0.0624	0.0050 U	--	0.0050 U	16.8	0.0050 U	0.0116	0.0059	17.3	0.0050 U
3/11/14	0.0050 U	0.0050 U	0.0635	0.0050 U	--	0.0050 U	12.0	0.0050 U	0.0050 U	0.0069	2.0	0.0050 U
9/3/14	0.0050 U	0.0050 U	0.0944	0.0050 U	--	0.0050 U	11.6	0.0096	0.0174	0.0281	52.5	0.0082
3/23/15	0.0020 U	0.0020 U	0.0510	0.0020 U	--	0.0040 U	9.5	0.0100 U	0.0100 U	0.0018 J	1.9	0.0020 U
9/2/15	0.0010 U	0.0011	0.0630	0.0013	--	0.0005 U	10.0	0.0050 U	0.0092	0.0050 U	24.0	0.0015
3/23/16	0.0050 U	0.0050 U	0.0656	0.0050 U	--	0.0050 U	13.3	0.0050 U	0.0050 U	0.0050 U	1.7	0.0050 U
8/30/16	0.0020 U	0.0020 U	0.0704	0.0020 U	--	0.0020 U	12.4	0.0020 U	0.0104	0.0056	22.4	0.0020 U
3/8/17	0.0020 U	0.0020 U	0.0944	0.0020 U	--	0.0020 U	22.6	0.0034	0.0049	0.0194	10.0	0.0020 U
9/18/17	0.0050 U	0.0050 U	0.0948	0.0050 U	--	0.0050 U	21.1	0.0050 U	0.0050 U	0.0080	18.5	0.0050 U
4/3/18	0.0020 U	0.0020 U	0.0669	0.0020 U	--	0.0020 U	15.5	0.0026	0.0020 U	0.0020 U	1.3	0.0020 U
9/11/18	0.0050 U	0.0050 U	0.0280	0.0050 U	--	0.0050 U	24.6	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
4/10/19	0.0010 U	0.0010 U	0.0875	0.0010 U	--	0.0010 U	11.7 B	0.0013	0.0052	0.0010 U	0.7	0.0010 U
8/6/19	0.0010 U	0.0010 U	0.0591	0.0010 U	--	0.0010 U	9.2	0.0098	0.0010 U	0.0039 B	3.0	0.0010 U
3/11/20	0.0010 U	0.0010 U	0.0583	0.0010 U	--	0.0010 U	9.1	0.0011	0.0010 U	0.0010 U	0.8	0.0010 U

Gude Landfill
Monitoring Location OB015 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	0.465	0.0001 U	0.0061	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/5/01	--	1.035	0.0001 U	0.0255	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0060	--
3/13/02	--	0.701	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/16/02	--	7.311	0.0006	0.6290	--	0.0012 U	0.0096 U	--	0.0010 U	0.0259	0.1980	--
6/3/03	--	5.642	0.0002 U	0.0234	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020 U	0.0029	--
10/9/03	--	3.500	0.0002 U	0.0288	--	0.0035 U	0.0110 U	--	0.0020 U	0.0020 U	0.0100 U	--
3/30/04	--	0.020 U	0.0002 U	0.0206	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	6.422	0.0002 U	0.1422	--	0.0134	0.0018 U	--	0.0006 U	0.0020 U	0.0390	--
4/6/05	--	4.440	0.0002 U	0.0197	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.002 U	0.0001 U	0.0259	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0032	--
9/26/06	--	9.224	0.0003	0.4895	--	0.0400 U	--	--	0.0140 U	0.0233	0.1477	--
4/18/07	--	--	0.0002 U	0.0086	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0081
10/3/07	--	--	0.0002 U	0.1120	--	0.0080 U	0.0050 U	--	0.0070 U	0.0020 U	0.0282	1.2155
3/25/08	--	--	0.0002 U	0.0084	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0220
3/10/09	--	--	0.0002 U	0.0157	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0955
9/21/09	23.200	5.730	0.0002 U	0.0473	3.15	0.0020 U	0.0020 U	35.0	0.0020 U	--	0.0052	0.6980
7/28/10	--	--	0.0002 U	0.0100	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0200
9/21/10	17.400	3.870	0.0002 U	0.0098	2.18	0.0050 U	0.0050 U	53.3	0.0050 U	--	0.0050 U	0.0212
4/21/11	22.000 J	1.780	0.0002 U	0.0149	2.29	0.0050 U	0.0050 U	36.1 J	0.0050 U	--	0.0050 U	0.0544
9/6/11	21.600	3.270	0.0002 U	--	2.46	0.0050 U	0.0050 U	59.1	0.0050 U	--	0.0050 U	0.0668
3/7/12	21.300	1.280	0.0002 U	0.0144	2.12	0.0050 U	0.0050 U	29.2	0.0050 U	--	0.0050 U	0.0966
9/12/12	17.400	2.500	0.0002 U	--	2.32	0.0050 U	0.0050 U	62.5	0.0050 U	--	0.0050 U	0.3970
3/26/13	16.000	0.163	0.0002 U	0.0143	2.04	0.0050 U	0.0050 U	26.1	0.0050 U	--	0.0050 U	0.1360

Gude Landfill
Monitoring Location OB015 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/16/13	17.300	1.100	0.0002 U	0.0087	2.07	0.0050 U	0.0050 U	50.6	0.0050 U	--	0.0050 U	0.0516
3/11/14	14.500	0.130	0.0002 U	0.0115	1.84	0.0050 U	0.0050 U	17.3	0.0050 U	--	0.0050 U	0.0723
9/3/14	14.500	0.639	0.0002 U	0.0214	1.80	0.0050 U	0.0050 U	30.6	0.0050 U	--	0.0050 U	0.1830
3/23/15	15.000	0.028	0.0002 U	0.0061 J	1.70	0.0350 U	0.0100 U	20.0	0.0020 U	--	0.0100 U	0.0340
9/2/15	14.000	0.720	0.0002 U	0.0100 U	1.90	0.0050 U	0.0010 U	34.0	0.0010 U	--	0.0050 U	0.0830
3/23/16	19.500	0.085	0.0002 U	0.0119	1.82	0.0050 U	0.0050 U	22.0	0.0050 U	--	0.0050 U	0.0434
8/30/16	15.900	0.816	0.0002 U	0.0130	1.74	0.0020 U	0.0020 U	42.4	0.0010 U	--	0.0020 U	0.0866
3/8/17	25.000	1.740	0.0002 U	0.0180	2.21	0.0020 U	0.0020 U	92.4	0.0010 U	--	0.0020 U	0.0439
9/18/17	21.000	1.260	0.0002 U	0.0076	2.05	0.0050 U	0.0050 U	88.1	0.0050 U	--	0.0050 U	0.0499
4/3/18	17.500	0.144	0.0002 U	0.0049	1.94	0.0020 U	0.0020 U	73.8	0.0010 U	--	0.0020 U	0.0161
9/11/18	6.250	0.084	0.0002 U	0.0050 U	3.82	0.0050 U	0.0050 U	9.0	0.0050 U	--	0.0050 U	0.0058
4/10/19	25.400	1.920	0.0001 U	0.0343	1.98	0.0010 U	0.0010 U	8.4	0.0010 U	--	0.0010 U	0.0613
8/6/19	16.700	0.066	0.0001 U	0.0087	1.77	0.0010 U	0.0010 U	32.7	0.0010 U	--	0.0010 U	0.0296 B
3/11/20	17.000	0.448	0.0001 U	0.0101	1.78	0.0010 U	0.0010 U	39.9	0.0010 U	--	0.0010 U	0.0203

Gude Landfill

Printed 5/20/20

Monitoring Location OB015 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	1.65	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	0.2 U	0.17 U	0.21 U
3/30/04	0.18 U	0.15 U	0.23 U	0.22 U	2.69	1.00 U	0.22 U	1.00 U	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	3.21	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	1.00 U	0.25 U	1.48	0.37 U	0.35 U	22.11	0.40 U	1.00 U	1.34	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	3.19	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	1.88	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	7.04	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	--	--	--	--	--	--	--	--	--	--	--	--	10.0 U	--	--
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	4.20	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	4.04	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.50 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	4.62	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	0.39 U
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	12.00	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB015 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	3.10	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.56	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.59	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.64	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.04	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.36
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.84
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB015 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	1.00 U	0.11 U	3.49	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/30/04	0.21 U	0.19 U	1.00 U	0.11 U	35.64	0.15 U	1.00 U	0.14 U	--	1.00 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	0.23 U	6.45	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/3/07	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.50 U	0.20 U	0.12 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.17 J	1.00 U	1.00 U	1.00 U	0.19 J	1.00 U	1 U	0.20 J	--	1 U	--	0.49 J	1.00 U	1.00 U
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/7/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	15.10	--	5 U	1 U	1.00 U	--	1.00 U
8/6/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/11/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.36	--	0.26 U
9/5/01	0.18 U	0.14 U	0.15 U	1.81	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.20	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.66	--	0.26 U
10/9/03	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/30/04	0.18 U	0.14 U	1.00 U	1.77	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.97	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	1.0 U	0.27 U	1.00 U	--	1.28	0.29 U	0.27 U	1.00 U	--	0.23 U
10/3/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.5 U	0.21 U	0.15 U	--	1.10	0.13 U	0.15 U	0.52	--	0.26 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.17	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	0.4 J	1.00 U	1.00 U	--	1.51	1.00 U	1.00 U	1.00 U	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.90 J	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	1.0 J	2.00 U	2.00 U	--	1.02 J	2.00 U	2.00 U	2.00 U	--	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.02	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.27	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.21	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB015 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.84	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/9/03	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/30/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	1.44	0.39 U	0.18 U	1.00 U	1.00 U	0.25 U	1.00 U
4/5/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/3/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/6/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/11/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB015 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	1.00 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/5/01	1.00 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
3/13/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
10/9/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	7.44	--
3/30/04	1.00 U	1.00 U	--	1.00 U	0.13 U	0.14 U	1.24	0.18 U	--	18.30	--
9/20/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.42	0.36 U	--	4.28	--
4/6/05	1.00 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.00 U	0.36 U	--	6.37	--
4/5/06	0.36 U	0.32 U	--	1.00 U	0.24 U	0.30 U	2.73	0.36 U	--	6.33	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.75	0.36 U	--	11.66	--
4/18/07	0.36 U	0.32 U	--	1.00 U	0.24 U	0.30 U	1.16	0.36 U	--	18.40	--
10/3/07	--	--	--	--	--	--	--	--	--	--	--
3/25/08	0.20 U	0.28 U	0	0.50 U	0.08 U	--	0.65	0.07 U	--	6.29	--
3/10/09	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.50 U	0.10 U	--	2.78	--
9/21/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	0.91 J	1.00 U	--	3.92	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	3.00	--
9/21/10	0.54 J	2.00 U	--	2.00 U	2.00 U	2.00 U	1.23 J	2.00 U	2 U	10.20	--
4/21/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.10	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/7/12	1.10	1.00 U	--	1.00 U	1.00 U	5.00 U	2.20	1.00 U	1 U	1.90	1 U
9/12/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.18	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.11	1.00 U	5 U	1.87	--
3/11/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.70	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.73	1.00 U	5 U	1.17	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/10/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.20	--
8/6/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/11/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB025 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/1/01	--	--	--	112.3660	0.002	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	108.9420	0.004	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	21.4801	0.002	--	--	--	--	--	--	--	--	--
9/17/02	--	--	--	190.5350	0.003	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	93.1125	0.005 U	--	--	--	--	--	--	--	--	0.028
10/9/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
3/30/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.041
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.055
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.011
4/17/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	423.0	1.57	1080.0	156.0000	--	--	740.0	0.6782	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	472.0	3.69	90.0	173.0000	--	--	750.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/20/11	282.0	0.63	107.0	62.3000	--	--	450.0	1.3300	1	0.05 U	--	--	--	--
9/6/11	267.0	1.91	19.6	86.6000	--	--	292.0	0.2000 U	0	0.05 U	--	--	--	--
3/12/12	249.0	0.73	18.6	73.5000	--	--	356.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	374.0	2.31	23.5	158.0000	--	--	500.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/26/13	268.0	0.20 U	21.6	59.5000	--	8	316.0	0.6060	1	0.05 U	381	7.16	--	--
9/12/13	387.0	2.94	17.2	175.0000	--	3	490.0	0.2000 U	0 U	0.05 U	364	6.12	--	--
3/11/14	194.0	0.20 U	10.0 U	34.8000	--	8	238.0	2.1300	--	--	305	6.86	--	--
9/10/14	287.0	0.95	28.6	80.2000	--	5	354.0	0.7560	1	0.05 U	309	6.89	--	--
3/19/15	316.0	0.20 U	20.0	147.0000	--	7	440.0	2.2200	2	0.05 U	354	6.83	--	--
9/1/15	323.0	0.54	17.8	168.0000	--	--	460.0	1.9300	2	0.05 U	274	6.23	--	--
3/21/16	307.0	1.81	19.1	195.0000	--	4	428.0	0.7310	1	0.05 U	218	6.42	--	--
8/30/16	330.0	2.82	24.1	191.0000	--	--	292.0	0.2000 U	0 U	0.05 U	219	6.09	--	--
3/8/17	335.0	1.15	16.9	211.0000	--	--	584.0	1.7100	2	0.05 U	355	6.51	--	--
9/14/17	296.0	2.25	16.8	219.0000	--	1	520.0	0.8070	1	0.05 U	244	6.39	--	--
3/29/18	280.0	0.61	27.1	250.0000	--	--	524.0	2.3100	2	0.05 U	207	6.32	--	--
9/5/18	300.0	2.67	26.3	251.0000	--	--	455.0	0.2000 U	0	0.05 U	88	5.86	--	--
4/10/19	315.0	0.33	25.0	191.0000	--	2	--	0.2000 U	--	--	139	6.36	6.26	--
7/29/19	330.0	1.96	22.2	170.0000	--	0	--	1.9000	--	--	200	5.99	5.32	--
3/5/20	310.0	0.37	25.6	190.0000	--	2	--	3.2700	--	--	180	6.32	6.41	--

Gude Landfill
Monitoring Location OB025 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/1/01	--	--	--	--	--	--	--	--	56.0	--
9/4/01	--	--	--	--	--	--	--	--	37.0	--
3/13/02	--	--	--	--	--	--	--	--	966.0	--
9/17/02	--	--	--	--	--	--	--	--	225.0	--
6/3/03	--	--	--	--	--	--	0	--	94.0	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/30/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	71.8	--	--	888	--	--	10100.0	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	67.0	--	--	916	--	--	357.0	--

Gude Landfill
Monitoring Location OB025 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/20/11	--	--	32.1 J	--	--	532	--	--	15050.0	--
9/6/11	--	--	39.7	--	--	252	--	--	--	--
3/12/12	--	--	44.1	--	--	568	--	--	--	--
9/13/12	--	--	61.8	--	--	756	--	--	--	--
3/26/13	395	--	39.6	--	10.2	454	--	--	--	51.0
9/12/13	807	--	65.0	--	17.7	838	--	--	--	153.0
3/11/14	491	--	32.6	--	9.0	324	--	--	--	65.0
9/10/14	544	--	37.2	--	17.1	516	--	--	--	37.6
3/19/15	960	--	47.5	--	13.7	666	--	--	--	14.4
9/1/15	356	--	47.2	--	28.3	593	--	--	--	14.0
3/21/16	1075	--	51.4	--	11.4	694	--	--	--	45.7
8/30/16	1178	--	45.4	--	26.7	681	--	--	--	22.7
3/8/17	1143	--	44.3	--	18.8	701	--	--	--	48.1
9/14/17	1215	--	45.9	--	19.0	780	--	--	--	21.5
3/29/18	1215	--	48.9	--	25.8	736	--	--	--	22.9
9/5/18	1358	--	41.3	--	23.6	751	--	--	--	35.0
4/10/19	1449	1210	45.8	--	15.9	751	--	19.3	12.8	15.9
7/29/19	1143	1180	45.2	--	19.5	732	--	6.3	1.5	0.0
3/5/20	1062	1190	37.6	--	14.0	698	--	57.0	72.5	33.2

Gude Landfill
Monitoring Location OB025 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.097	0.005 U	0.005 U	65.7	0.01 U	0.01	0.005 U	0.6	0.005 U	42.2	7.200	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.080	0.005 U	0.005 U	74.2	0.01 U	0.02	0.005 U	1.1	0.005 U	48.3	4.910	0.0002 U
9/13/12	0.005 U	0.005 U	0.153	0.005 U	0.005 U	89.2	0.01 U	0.03	0.005 U	9.9	0.005 U	61.3	19.100	0.0002 U
3/26/13	0.005 U	0.005 U	0.068	0.005 U	0.005 U	59.9	0.01 U	0.01 U	0.014	0.3	0.005 U	43.2	0.488	0.0002 U
9/12/13	0.005 U	0.005 U	0.110	0.005 U	0.005 U	73.3	0.01 U	0.02	0.005 U	2.2	0.005 U	51.1	10.100	0.0002 U
3/11/14	0.005 U	0.005 U	0.049	0.005 U	0.005 U	40.7	0.01 U	0.01 U	0.005 U	0.2	0.005 U	28.1	0.141	0.0002 U
9/10/14	0.005 U	0.005 U	0.117	0.005 U	0.005 U	68.9	0.01 U	0.02	0.005	0.4	0.005 U	48.0	8.660	0.0002 U
3/19/15	0.002 U	0.002 U	0.069	0.002 U	0.004 U	79.0	0.01 U	0.01 J	0.003 J	0.0 U	0.002 U	57.0	14.000	0.0002 U
9/1/15	0.001 U	0.001 J	0.065	0.001 U	0.001 U	75.0	0.01 U	0.01	0.005 U	0.0 U	0.001 U	54.0	16.000	0.0002 U
3/21/16	0.002 U	0.002 U	0.109	0.002 U	0.002 U	72.5	0.00	0.02	0.002 U	4.1	0.002 U	52.1	4.050	0.0002 U
8/30/16	0.002 U	0.002 U	0.149	0.002 U	0.002 U	72.2	0.00 U	0.03	0.003	2.6	0.002 U	54.1	21.500	0.0002 U
3/8/17	0.002 U	0.002 U	0.113	0.002 U	0.002 U	75.8	0.00 U	0.03	0.016	1.1	0.002 U	54.8	21.100	0.0002 U
9/14/17	0.002 U	0.002 U	0.156	0.002 U	0.002 U	79.8	0.01	0.03	0.002 U	12.6	0.002 U	56.5	22.600	0.0002 U
3/29/18	0.002 U	0.002 U	0.107	0.002 U	0.002 U	87.0	0.01	0.03	0.002 U	0.2 U	0.002 U	59.9	24.700	0.0002 U
9/5/18	0.002 U	0.002 U	0.133	0.002 U	0.002 U	89.3	0.01	0.04	0.002 U	2.6	0.002 U	61.6	24.100	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB025 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01	10.2	0.005 U	0.01 U	38.7	0.005 U	0.01 U	0.009
9/6/11	0.01	--	--	--	--	--	--	--
3/12/12	0.05	9.6	0.005 U	0.01 U	42.1	0.005 U	0.01 U	0.008
9/13/12	0.06	17.8	0.005 U	0.01 U	78.0	0.005 U	0.01 U	0.009
3/26/13	0.01	9.6	0.005 U	0.01 U	41.4	0.005 U	0.01 U	0.007
9/12/13	0.03	13.4	0.005 U	0.01 U	56.2	0.005 U	0.01 U	0.007
3/11/14	0.01 U	7.0	0.005 U	0.01 U	21.7	0.005 U	0.01 U	0.009
9/10/14	0.01	11.7	0.005 U	0.01 U	51.5	0.005 U	0.01 U	0.010
3/19/15	0.02	14.0	0.035 U	0.01 U	68.0	0.001 J	0.01 U	0.005 J
9/1/15	0.01	14.0	0.005 U	0.00 U	68.0	0.001 U	0.01 U	0.011
3/21/16	0.01	13.0	0.003	0.00 U	66.4	0.001 U	0.00 U	0.005
8/30/16	0.02	14.2	0.003	0.00 U	71.6	0.001 U	0.00 U	0.009
3/8/17	0.02	14.2	0.005	0.00 U	76.6	0.001 U	0.00 U	0.010
9/14/17	0.02	14.2	0.003	0.00 U	79.5	0.001 U	0.00 U	0.006
3/29/18	0.02	14.6	0.007	0.00 U	80.9	0.001 U	0.00 U	0.009
9/5/18	0.02	13.5	0.005	0.00 U	77.9	0.001 U	0.00	0.012

Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0005 U	0.0597	0.0005 U	--	0.0020 U	--	0.0046	0.0102	0.0100 U	--	0.0031
9/4/01	0.0020 U	0.0020 U	0.0851	0.0017 U	--	0.0006 U	--	0.0012 U	0.0138	0.0105	--	0.0020 U
3/13/02	0.0005 U	0.0041	0.1423	0.0017 U	--	0.0020 U	--	0.0182	0.0102	0.0382	--	0.0401
9/17/02	0.0007 U	0.0065	0.1118	0.0004 U	--	0.0020 U	--	0.0060	0.0289	0.0214	--	0.0043
6/3/03	0.0256	0.0200 U	0.1133	0.0200 U	--	0.0200 U	--	0.0200 U	0.0311	0.0439	--	0.0200 U
10/9/03	0.0009 U	0.0008 U	0.0846	0.0016 U	--	0.0020 U	--	0.0020 U	0.0109	0.0100 U	--	0.0020 U
3/30/04	0.0009 U	0.0034	0.1361	0.0016 U	--	0.0020 U	--	0.0228	0.0410	0.0339	--	0.0086
9/21/04	0.0028 U	0.0006 U	0.0800	0.0012 U	--	0.0020 U	--	0.0035	0.0104	0.0153	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0817	0.0012 U	--	0.0020 U	--	0.0007 U	0.0166	0.0137	--	0.0006 U
9/21/05	0.0028 U	0.0040	0.2081	0.0020 U	--	0.0024	--	0.0652	0.0865	0.0774	--	0.0260
4/4/06	0.0006 U	0.0006 U	0.0658	0.0007 U	--	0.0020 U	--	0.0020 U	0.0119	0.0085	--	0.0021
9/25/06	0.0007 U	0.0008 U	0.0794	0.0009 U	--	0.0020 U	--	0.0020 U	0.0157	0.0075	--	0.0020 U
4/17/07	0.0007 U	0.0020 U	0.0832	0.0009 U	0.200 U	--	--	0.0007 U	0.0187	0.0065	--	0.0007 U
10/3/07	0.0007 U	0.0020 U	0.1065	0.0009 U	0.182	--	--	0.0046	0.0229	0.0083	--	0.0020 U
3/26/08	0.0005 U	0.0024	0.1388	0.0010 U	0.167	--	--	0.0089	0.0329	0.0146	--	0.0026
9/24/08	0.0010 U	0.0040 U	0.1179	0.0020 U	0.400 U	--	--	0.0016 U	0.0270	0.0065	--	0.0020 U
3/9/09	0.0010 U	0.0100 U	0.1126	0.0012 U	0.209	--	--	0.0007 U	0.0241	0.0100 U	--	0.0007 U
9/22/09	0.0020 U	0.0037	1.3100	0.0137	--	0.0174	111.0	0.1050	0.4180	0.3640	239.0	0.1480
7/26/10	0.0010 U	0.0009 J	0.1500	0.0010 U	--	0.0006 J	--	0.0035	0.0410	0.0085	--	0.0013
9/15/10	0.0050 U	0.0050 U	0.1920	0.0050 U	--	0.0050 U	90.2	0.0193	0.0532	0.0302	29.9	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	92.7	0.0050 U	0.0244	0.0062	1.3	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.1630	0.0050 U	--	0.0050 U	65.1	0.0050 U	0.0285	0.0168	5.7	0.0137
3/12/12	0.0050 U	0.0050 U	0.1460	0.0050 U	--	0.0050 U	73.3	0.0297	0.0393	0.0374	31.7	0.0077

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/13/12	0.0050 U	0.0050 U	0.6310	0.0062	--	0.0050 U	89.5	0.0174	0.1220	0.1430	25.9	0.0269
3/26/13	0.0050 U	0.0050 U	0.0769	0.0050 U	--	0.0050 U	56.2	0.0081	0.0067	0.0194	4.7	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.1750	0.0050 U	--	0.0050 U	91.2	0.0117	0.0373	0.0153	17.0	0.0050 U
3/11/14	0.0050 U	0.0050 U	0.0539	0.0050 U	--	0.0050 U	39.6	0.0060	0.0050 U	0.0080	3.1	0.0050 U
9/10/14	0.0212	0.0263	0.6240	0.1160	--	0.1150	61.9	0.3050	0.3360	0.3370	163.0	0.1220
3/19/15	0.0020 U	0.0020 U	0.0710	0.0020 U	--	0.0040 U	81.0	0.0082 J	0.0090 J	0.0042 J	0.8	0.0020 U
9/1/15	0.0010 U	0.0010 U	0.0700	0.0010 U	--	0.0005 U	83.0	0.0050 U	0.0090	0.0050 U	0.5	0.0010 U
3/21/16	0.0050 U	0.0050 U	0.2200	0.0050 U	--	0.0050 U	86.1	0.0071	0.0501	0.0122	7.6	0.0050 U
8/30/16	0.0020 U	0.0020 U	0.1440	0.0020 U	--	0.0020 U	71.7	0.0020 U	0.0339	0.0037	3.9	0.0020 U
3/8/17	0.0050 U	0.0050 U	0.1230	0.0050 U	--	0.0050 U	81.2	0.0050 U	0.0339	0.0242	2.9	0.0050 U
9/14/17	0.0050 U	0.0050 U	0.1150	0.0050 U	--	0.0050 U	83.3	0.0050 U	0.0260	0.0053	3.7	0.0050 U
3/29/18	0.0050 U	0.0050 U	0.1210	0.0050 U	--	0.0050 U	86.1	0.0050 U	0.0302	0.0070	2.4	0.0050 U
9/5/18	0.0050 U	0.0050 U	0.1390	0.0050 U	--	0.0050 U	82.9	0.0050 U	0.0377	0.0090	3.6	0.0050 U
4/10/19	0.0010 U	0.0010 U	0.0912	0.0010 U	--	0.0010 U	62.1 B	0.0029	0.0310	0.0010 U	1.3	0.0010 U
7/29/19	0.0010 U	0.0010 U	0.1000	0.0010 U	--	0.0010 U	57.6 B	0.0023	0.0300	0.0336	0.3	0.0010 U
3/5/20	0.0010 U	0.0020	0.1150	0.0010 U	--	0.0010 U	60.5	0.0354	0.0351	0.0053	10.8	0.0012

Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	12.980	0.0001 U	0.0051	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	16.200	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	--	0.397	0.0002 U	0.0215	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0238	--
9/17/02	--	20.940	0.0001 U	0.0281	--	0.0060	0.0096 U	--	0.0010 U	0.0025	0.0127	--
6/3/03	--	11.460	0.0002 U	0.0366	--	0.0120 U	0.0960 U	--	0.0100 U	0.0020 U	0.0200 U	--
10/9/03	--	7.731	0.0002 U	0.0074	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/30/04	--	1.955	0.0002 U	0.0446	--	0.0025	0.0022 U	--	0.0010 U	0.0022	0.0171	--
9/21/04	--	5.523	0.0001 U	0.0138	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0022	--
4/6/05	--	11.562	0.0001 U	0.0109	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	15.005	0.0002	0.0872	--	0.0053	0.0018 U	--	0.0006 U	0.0100 U	0.0629	--
4/4/06	--	10.264	0.0001 U	0.0090	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	9.249	0.0002 U	0.0097	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0113	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0378
10/3/07	--	--	0.0002 U	0.0161	--	0.0023	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0487
3/26/08	--	--	0.0002 U	0.0215	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0087	0.1868
9/24/08	--	--	0.0002 U	0.0128	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0263
3/9/09	--	--	0.0002 U	0.0127	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0243
9/22/09	82.800	55.800	0.0003	0.2260	17.60	0.0364	0.0020 U	84.0	0.0020 U	--	0.1560	3.9500
7/26/10	--	--	0.0001 J	0.0220	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0460
9/15/10	71.600	24.200	0.0002 U	0.0506	16.60	0.0059	0.0050 U	88.9	0.0050 U	--	0.0141	0.1090
4/20/11	70.200	6.860	0.0014	0.0183	7.24	0.0050 U	0.0050 U	100.0 J	0.0050 U	--	0.0050 U	0.0216
9/6/11	44.200	10.520	0.0002 U	--	14.30	0.0050 U	0.0050 U	54.3	0.0050 U	--	0.0077	0.0256
3/12/12	57.700	7.210	0.0013	0.0098	10.70	0.0052	0.0050 U	43.9	0.0050 U	--	0.0236	0.1120

Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/13/12	62.400	20.700	0.0005	0.0145	16.80	0.0088	0.0050 U	69.0	0.0050 U	--	0.0452	0.1300
3/26/13	41.500	0.818	0.0002 U	0.0077	9.22	0.0050 U	0.0050 U	39.0	0.0050 U	--	0.0077	0.0196
9/12/13	69.000	18.200	0.0002	0.0110	16.40	0.0050 U	0.0050 U	83.5	0.0050 U	--	0.0100	0.0400
3/11/14	27.000	0.210	0.0002 U	0.0089	6.49	0.0050 U	0.0050 U	20.4	0.0050 U	--	0.0050 U	0.0150
9/10/14	90.300	12.800	0.0002	0.4000	13.20	0.0411	0.0991	38.4	0.0778	--	0.2610	0.9620
3/19/15	59.000	14.000	0.0002 U	0.0220	14.00	0.0350 U	0.0100 U	66.0	0.0020 U	--	0.0100 U	0.0085 U
9/1/15	58.000	15.000	0.0002 U	0.0150	14.00	0.0050 U	0.0010 U	70.0	0.0010 U	--	0.0050 U	0.0096
3/21/16	62.600	20.300	0.0002 U	0.0334	14.20	0.0054	0.0050 U	77.9	0.0050 U	--	0.0051	0.0415
8/30/16	52.400	21.700	0.0002 U	0.0167	13.50	0.0027	0.0020 U	69.8	0.0010 U	--	0.0020 U	0.0121
3/8/17	58.600	22.400	0.0002 U	0.0213	15.00	0.0061	0.0050 U	80.0	0.0050 U	--	0.0050 U	0.0168
9/14/17	61.000	21.400	0.0002 U	0.0156	14.60	0.0050 U	0.0050 U	80.8	0.0050 U	--	0.0050 U	0.0261
3/29/18	59.800	25.000	0.0002 U	0.0197	14.90	0.0050 U	0.0050 U	80.4	0.0050 U	--	0.0050 U	0.0340
9/5/18	60.300	24.000	0.0002 U	0.0239	14.40	0.0080	0.0050 U	80.3	0.0050 U	--	0.0050 U	0.0198
4/10/19	56.500	24.700	0.0001	0.0184	14.40	0.0010 U	0.0010 U	82.4	0.0010 U	--	0.0010 U	0.0127
7/29/19	51.100	22.600	0.0001 U	0.0181	13.50	0.0010 U	0.0010 U	73.7 B	0.0010 U	--	0.0010 U	0.0114
3/5/20	54.400	22.700	0.0001 U	0.0364	16.10	0.0011	0.0010 U	83.3	0.0010 U	--	0.0038	0.0258

Gude Landfill

Printed 5/20/20

Monitoring Location OB025 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	1.00 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/17/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	0.17 U	0.21 U
3/30/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.59	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.32	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.70	0.15 U	0.13 U	0.50 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.50 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.50 U	0.17 U	0.13 U	0.20 U	0.08 U	--	0.13 U	0.50 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.3 U	1.00 U	0.40 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	1.11 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	143.00	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB025 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.4	1.00 U	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	2.16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	1.42	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.77	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	2.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	2.87	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.07
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB025 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/17/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	0.12 U	0.11 U	0.08	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/30/04	0.21 U	0.19 U	10.00 U	0.11 U	4.60	0.15 U	1.00 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	1.38	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	0.84	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	3.16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	0.46 J	1.00 U	1.00 U
7/26/10	--	1.00 U	3.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00	--	1.00 U
9/15/10	2.00 U	2.00 U	3.80	2.00 U	0.87 J	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.11	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB025 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	3.70	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/13/12	1.00 U	1.00 U	3.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	6.84	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.43	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.48	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.15	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.49	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	7.99	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	1.82	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	2.83	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	14.50	--	5 U	1 U	1.00 U	--	1.00 U
7/29/19	--	1.00 U	3.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.80	--	5 U	1 U	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/17/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
10/9/03	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/30/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	2.56	0.29 U	0.27 U	0.20 U	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.58	0.3 U	0.27 U	1.00 U	--	6.07	0.29 U	0.27 U	1.00 U	--	0.23 U
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	4.38	0.13 U	0.15 U	0.19 U	--	0.26 U
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	1.07	0.5 U	0.12 U	0.50 U	--	6.23	0.12 U	0.13 U	0.15 U	--	0.12 U
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	4.12	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.93	0.3 J	1.00 U	1.00 U	--	7.50	1.00 U	1.00 U	1.00 U	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	4.50	0.7 J	2.00 U	2.00 U	--	6.82	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.0 U	1.00 U	1.00 U	--	4.90	1.00 U	1.00 U	--	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	9.55	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.75	1.0 U	1.00 U	1.00 U	--	19.50	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.34	1.0 U	1.00 U	1.00 U	--	1.02	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.14	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.15	1.0 U	1.00 U	1.00 U	--	7.14	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.56	1.0 U	1.00 U	1.00 U	--	9.22	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.0 U	1.00 U	1.00 U	--	12.00	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.39	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	--	16.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.85	1.00 U	1.00 U	1.00 U	--	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.02	1.0 U	1.00 U	1.00 U	--	17.10	1.00 U	1.00 U	1.00 U	--	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.60	1.00 U	1.00 U	--	5 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.0 U	1.00 U	1.00 U	1 U	7.50	1.00 U	1.00 U	--	5 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.30	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB025 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.69	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/17/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/9/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/30/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	0.41 U	0.25 U	1.00 U
9/25/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	1.00 U	0.25 U	1.00 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/26/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/24/08	--	0.12 U	0.23 U	--	--	5.00 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

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Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/13/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/29/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB025 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/4/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/13/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/17/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/3/03	1.45	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/9/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	2.49	--
3/30/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.12	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	3.33	--
4/6/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.21	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.15	--
4/17/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.04	0.36 U	--	1.00 U	--
10/3/07	1.44	0.32 U	--	0.45 U	0.24 U	0.30 U	2.43	0.36 U	--	5.29	--
3/26/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	1.21	0.07 U	--	0.50 U	--
9/24/08	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.13 U	0.10 U	--	4.29	--
3/9/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.96	0.10 U	--	0.50 U	--
9/22/09	0.70 J	1.00 U	--	1.00 U	1.00 U	1.00 U	1.66	1.00 U	--	2.61	--
7/26/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	3.00	--
9/15/10	0.86 J	2.00 U	--	2.00 U	2.00 U	2.00 U	2.24	2.00 U	2 U	4.04	--

Gude Landfill Monitoring Location OB025 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/20/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	3.80	1.00 U	--	1.00 U	1.00 U	5.00 U	2.10	1.00 U	1 U	1.00 U	1 U
9/13/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.40	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/13	3.92	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.47	--
3/11/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.07	1.00 U	5 U	2.78	--
3/21/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.43	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.79	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.26	--
9/14/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.29	1.00 U	5 U	4.64	--
3/29/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.29	--
9/5/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.08	1.00 U	5 U	5.66	--
4/10/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/29/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	3.50	--
3/5/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB102 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/1/01	--	--	--	187.8970	0.002	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	114.1510	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	447.9400	0.005	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	550.9640	0.003	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	82.9571	0.005 U	--	--	--	--	--	--	--	--	0.011
10/8/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.061
3/24/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.024
9/21/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.170
4/6/05	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.029
4/5/06	--	--	--	--	0.037	--	--	--	--	--	--	--	--	0.023
9/26/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.021
4/17/07	--	--	--	--	0.015	--	--	--	--	--	--	--	--	0.023
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.058
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	1140.0	11.20	262.0	560.0000	--	--	810.0	0.2000 U	--	--	--	--	--	--
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	1100.0	8.98	252.0	577.0000	--	--	900.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB102 - General Parameters

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	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	1008.0	11.10	235.0 J	578.0000	--	--	775.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/7/11	1000.0	11.10	237.0	564.0000	--	--	701.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/6/12	1056.0	11.60	227.0	602.0000	--	--	640.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/11/12	1060.0	12.00	242.0	588.0000	--	--	700.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/21/13	1110.0	14.00	235.0	558.0000	--	0	686.0	0.2000 U	0 U	0.05 U	299	6.86	--	--
9/11/13	1080.0	13.30	126.0	543.0000	--	0	696.0	0.2000 U	0 U	0.05 U	272	6.41	--	--
3/24/14	980.0	13.50	176.0	519.0000	--	0	710.0	0.2000 U	--	--	251	6.80	--	--
9/2/14	1000.0	12.30	147.0	520.0000	--	6	684.0	0.2000 U	0 U	0.05 U	234	6.74	--	--
3/17/15	1040.0	14.60	87.0	563.0000	--	0	724.0	0.2000 U	0 U	0.05 U	290	7.07	--	--
9/3/15	1100.0	15.80	120.0	551.0000	--	--	700.0	0.2000 U	0 U	0.05 U	163	6.54	--	--
3/17/16	1160.0	16.10	210.0	560.0000	--	0	660.0	0.2000 U	0 U	0.05 U	287	6.80	--	--
8/31/16	2180.0	18.30	146.0	528.0000	--	1	620.0	0.2000 U	0 U	0.05 U	244	6.76	--	--
3/7/17	1340.0	16.70	229.0	519.0000	--	--	620.0	0.2000 U	0 U	0.05 U	253	6.74	--	--
9/11/17	1200.0	23.70	148.0	464.0000	--	0	680.0	0.2000 U	0 U	0.05 U	271	6.78	--	--
4/4/18	1090.0	19.40	222.0	465.0000	--	--	541.0	0.2000 U	0 U	0.05 U	212	6.80	--	--
9/4/18	1050.0	23.70	142.0	466.0000	--	0	575.0	0.2000 U	0 U	0.05 U	63	6.80	--	--
4/15/19	957.0	18.30	131.0	410.0000	--	0	--	0.9000	--	--	103	6.68	6.80	--
8/5/19	1050.0	18.00	149.0	472.0000	--	0	--	1.1000	--	--	61	6.38	6.68	--
3/3/20	1040.0	17.30	147.0	487.0000	--	0	--	2.1300	--	--	77	6.56	6.70	--

Gude Landfill

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Monitoring Location OB102 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/1/01	--	--	--	--	--	--	--	--	4.2	--
9/4/01	--	--	--	--	--	--	--	--	13.5	--
3/12/02	--	--	--	--	--	--	--	--	66.5	--
9/16/02	--	--	--	--	--	--	--	--	3.8	--
6/2/03	--	--	--	--	--	--	0	--	6.9	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0	--	--	--
10/2/07	--	--	--	--	--	--	0	--	--	--
3/25/08	--	--	--	--	--	--	0	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	71.9	--	--	2120	--	--	191.0	--
7/27/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	57.4	--	--	2252	--	--	71.4	--

Gude Landfill
Monitoring Location OB102 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	74.3	--	--	2308	--	--	23.7	--
9/7/11	--	--	74.4	--	--	2244	--	--	--	--
3/6/12	--	--	55.4	--	--	2268	--	--	--	--
9/11/12	--	--	55.2	--	--	2236	--	--	--	--
3/21/13	3	--	48.1	--	13.2	2146	--	--	--	58.9
9/11/13	3303	--	44.7	--	16.2	2158	--	--	--	84.5
3/24/14	3270	--	45.0	--	13.5	2122	--	--	--	79.5
9/2/14	3129	--	69.4	--	15.7	2098	--	--	--	19.9
3/17/15	1902	--	65.3	--	13.6	2066	--	--	--	15.4
9/3/15	3390	--	64.9	--	16.4	2099	--	--	--	8.5
3/17/16	3339	--	51.9	--	14.6	2220	--	--	--	6.5
8/31/16	3436	--	48.0	--	21.2	2100	--	--	--	13.7
3/7/17	3128	--	43.5	--	14.5	1830	--	--	--	6.3
9/11/17	3443	--	27.1	--	16.0	1990	--	--	--	0.4
4/4/18	2225	--	31.1	--	12.5	1860	--	--	--	3.4
9/4/18	2646	--	25.5	--	20.9	1840	--	--	--	3.2
4/15/19	3530	2930	83.3	--	14.0	1760	--	2.7	1.0	9.7
8/5/19	3	3160	99.4	--	16.5	1960	--	42.8	5.2	0.4
3/3/20	3069	3330	78.7	--	14.9	1950	--	4.5	2.0	0.0

Gude Landfill
Monitoring Location OB102 - Dissolved Metals

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	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.006	0.352	0.005 U	0.005 U	115.0	0.01 U	0.08	0.080	1.1	0.005 U	96.1	21.700	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.344	0.005 U	0.005 U	115.0	0.01 U	0.07	0.045	0.6	0.005 U	96.1	21.100	0.0002 U
9/11/12	0.005 U	0.012	0.364	0.005 U	0.005 U	114.0	0.01 U	0.08	0.044	0.8	0.005 U	98.2	19.900	0.0002 U
3/21/13	0.010 U	0.012	0.398	0.010 U	0.010 U	116.0	0.01 U	0.08	0.049	0.8	0.005 U	102.0	20.500	0.0002 U
9/11/13	0.005 U	0.005	0.370	0.005 U	0.005 U	121.0	0.01 U	0.07	0.041	0.7	0.005 U	100.0	20.500	0.0002 U
3/24/14	0.005 U	0.005 U	0.351	0.005 U	0.005 U	114.0	0.01 U	0.07	0.036	0.2 U	0.005 U	96.3	18.200	0.0002 U
9/2/14	0.005 U	0.005	0.373	0.005 U	0.005 U	111.1	0.01 U	0.07	0.046	2.0 U	0.005 U	91.7	18.800	0.0002 U
3/17/15	0.002 U	0.008	0.360	0.002 U	0.001 J	120.0	0.01 U	0.07	0.032	0.0 U	0.002 U	97.0	19.000	0.0002 U
9/3/15	0.001 U	0.009	0.350	0.001 U	0.001 U	120.0	0.01 U	0.07	0.026	0.0 U	0.001 U	97.0	19.000	0.0002 U
3/17/16	0.005 U	0.005 U	0.412	0.005 U	0.005 U	--	0.01 U	0.08	0.041	--	0.005 U	--	17.700	0.0002 U
8/31/16	0.002 U	0.006	0.405	0.002 U	0.002 U	112.0	0.00	0.07	0.035	0.8	0.002 U	97.2	16.100	0.0002 U
3/7/17	0.005 U	0.005 U	0.407	0.005 U	0.005 U	119.0	0.01 U	0.07	0.041	1.0	0.005 U	99.4	16.600	0.0002 U
9/11/17	0.005 U	0.005 U	0.365	0.005 U	0.005 U	102.0	0.01 U	0.06	0.021	0.7	0.005 U	86.9	12.100	0.0002 U
4/4/18	0.002 U	0.007	0.349	0.002 U	0.002 U	93.7	0.02	0.06	0.021	0.1	0.002 U	82.4	12.700	0.0002 U
9/4/18	0.002 U	0.006	0.306	0.002 U	0.002 U	89.4	0.02	0.04	0.012	0.2	0.004 U	78.3	10.600	0.0002 U

Gude Landfill
Monitoring Location OB102 - Dissolved Metals

Printed 5/20/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.10	37.3	0.026	0.01 U	582.0	0.005 U	0.01 U	0.013
9/7/11	0.09	--	--	--	--	--	--	--
3/6/12	0.09	39.0	0.016	0.01 U	508.0	0.005 U	0.01 U	0.013
9/11/12	0.10	42.1	0.039	0.01 U	532.0	0.005 U	0.01 U	0.013
3/21/13	0.11	47.2	0.043	0.01 U	545.0	0.005 U	0.01 U	0.015
9/11/13	0.09	48.3	0.020	0.01 U	499.0	0.005 U	0.01 U	0.011
3/24/14	0.09	43.7	0.015	0.01 U	522.0	0.005 U	0.01 U	0.012
9/2/14	0.09	43.6	0.021	0.01 U	529.0	0.005 U	0.01 U	0.016
3/17/15	0.10	51.0	0.022 J	0.01 U	490.0	0.002 U	0.01 U	0.009 J
9/3/15	0.09	49.0	0.024	0.00 U	510.0	0.001 U	0.01 U	0.009
3/17/16	0.10	64.0	0.017	0.01 U	--	0.005 U	0.01 U	0.012
8/31/16	0.09	50.1	0.020	0.00 U	527.4	0.001 U	0.00 U	0.007
3/7/17	0.09	52.7	0.015	0.01 U	532.0	0.005 U	0.01 U	0.011
9/11/17	0.08	53.6	0.010	0.01 U	466.0	0.005 U	0.01 U	0.045
4/4/18	0.08	52.5	0.017	0.00 U	467.0	0.001 U	0.00	0.009
9/4/18	0.07	53.8	0.018	0.00 U	437.0	0.002 U	0.00	0.008

Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0020 U	0.1103	0.0005 U	--	0.0020 U	--	0.0043	0.0201	0.0166	--	0.0028
9/4/01	0.0038	0.0020 U	0.0859	0.0017 U	--	0.0020 U	--	0.0020 U	0.0247	0.0161	--	0.0025
3/12/02	0.0020 U	0.0052	0.2397	0.0017 U	--	0.0022	--	0.0029	0.0591	0.0702	--	0.0036
9/16/02	0.0007 U	0.0251	0.2550	0.0004 U	--	0.0020 U	--	0.0005 U	0.0737	0.2655	--	0.0020 U
6/2/03	0.0007 U	0.0020 U	0.0633	0.0004 U	--	0.0020 U	--	0.0005 U	0.0134	0.0236	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0818	0.0016 U	--	0.0007 U	--	0.0005 U	0.0947	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0008 U	0.1215	0.0016 U	--	0.0007 U	--	0.0020 U	0.0145	0.0228	--	0.0020 U
9/21/04	0.0028 U	0.0020 U	0.2291	0.0012 U	--	0.0020 U	--	0.0020 U	0.1029	0.0248	--	0.0026
4/6/05	0.0028 U	0.0020 U	0.3498	0.0012 U	--	0.0020 U	--	0.0024	0.0991	0.0384	--	0.0020 U
9/21/05	0.0028 U	0.0020 U	0.3393	0.0012 U	--	0.0020	--	0.0043	0.1041	0.2110	--	0.0046
4/5/06	0.0006 U	0.0042	0.3277	0.0007 U	--	0.0020 U	--	0.0029	0.0894	0.0543	--	0.0022
9/26/06	0.0020	0.0061	0.3264	0.0009 U	--	0.0020 U	--	0.0026	0.1094	0.0437	--	0.0020 U
4/17/07	0.0007 U	0.0057	0.3338	0.0009 U	2.627	--	--	0.0035	0.0873	0.0557	--	0.0020 U
10/2/07	0.0070 U	0.0200 U	0.7682	0.0090 U	2.054	--	--	0.1373	0.2586	1.8022	--	0.0806
3/25/08	0.0005 U	0.0063	0.3156	0.0010 U	1.383	--	--	0.0033	0.0821	0.0638	--	0.0020 U
9/23/08	0.0010 U	0.0061	0.3331	0.0020 U	4.923	--	--	0.0088	0.0876	0.0880	--	0.0055
3/10/09	0.0010 U	0.0100 U	0.4215	0.0024 U	4.394	--	--	0.0200 U	0.0850	0.1301	--	0.0100 U
9/21/09	0.0020 U	0.0065	0.3850	0.0020 U	--	0.0021	116.0	0.0105	0.0925	0.1360	9.0	0.0043
7/27/10	0.0010 U	0.0028	0.3400	0.0010 U	--	0.0017	--	0.0082	0.0860	0.1000	--	0.0035
9/20/10	0.0050 U	0.0068	0.3420	0.0050 U	--	0.0050 U	114.0	0.0050 U	0.0842	0.0908	3.6	0.0050 U
4/19/11	0.0050 U	0.0061	0.3490	0.0050 U	--	0.0050 U	124.0	0.0050 U	0.0764	0.0483	1.7	0.0050 U
9/7/11	0.0050 U	0.0058	0.3440	0.0050 U	--	0.0050 U	119.7	0.0050 U	0.0724	0.0449	0.8	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.3550	0.0050 U	--	0.0050 U	115.0	0.0050 U	0.0734	0.0505	0.9	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.3490	0.0050 U	--	0.0050 U	120.0	0.0062	0.0729	0.0485	1.0	0.0050 U
3/21/13	0.0100 U	0.0112	0.4040	0.0100 U	--	0.0100 U	118.0	0.0140	0.0852	0.0710	1.9	0.0050 U
9/11/13	0.0050 U	0.0052	0.3470	0.0050 U	--	0.0050 U	116.0	0.0050 U	0.0704	0.0709	2.0	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.3670	0.0050 U	--	0.0050 U	116.0	0.0050 U	0.0695	0.0616	3.6	0.0050 U
9/2/14	0.0050 U	0.0050	0.3660	0.0050 U	--	0.0050 U	109.0	0.0050 U	0.0686	0.0500	2.0 U	0.0050 U
3/17/15	0.0020 U	0.0083	0.3500	0.0020 U	--	0.0007 U	120.0	0.0100 U	0.0740	0.0410	0.4	0.0020 U
9/3/15	0.0010 U	0.0120	0.3500	0.0010 U	--	0.0005 U	120.0	0.0050 U	0.0730	0.0380	0.2	0.0010 U
3/17/16	0.0050 U	0.0050 U	0.4070	0.0050 U	--	0.0050 U	--	0.0050 U	0.0744	0.0448	--	0.0050 U
8/31/16	0.0020 U	0.0046	0.3750	0.0020 U	--	0.0020 U	100.0	0.0026	0.0677	0.0428	1.2	0.0020 U
3/7/17	0.0050 U	0.0060	0.3780	0.0050 U	--	0.0050 U	118.0	0.0050 U	0.0708	0.1670	1.2	0.0050 U
9/11/17	0.0050 U	0.0050 U	0.3740	0.0050 U	--	0.0050 U	104.0	0.0050 U	0.0631	0.3030	0.7	0.0050 U
4/4/18	0.0050 U	0.0061	0.3520	0.0050 U	--	0.0050 U	88.2	0.0050 U	0.0497	0.0299	0.3	0.0050 U
9/4/18	0.0020 U	0.0050	0.3320	0.0020 U	--	0.0020 U	93.6	0.0063	0.0595	0.0249	0.2	0.0020 U
4/15/19	0.0010 U	0.0010 U	0.2580	0.0010 U	--	0.0010 U	69.1	0.0016	0.0605	0.0228	0.1	0.0010 U
8/5/19	0.0010 U	0.0010 U	0.3040	0.0010 U	--	0.0010 U	80.5	0.0024	0.0610	0.0213	0.3	0.0010 U
3/3/20	0.0010 U	0.0011	0.3310	0.0010 U	--	0.0010 U	89.3	0.0029	0.0609	0.0239	0.2	0.0010 U

Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	4.290	0.0001 U	0.0113	--	0.0050 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/4/01	--	3.720	0.0002 U	0.0106	--	0.0022	0.0044 U	--	0.0010 U	0.2000 U	0.0021	--
3/12/02	--	16.290	0.0002 U	0.0421	--	0.0155	0.0044 U	--	0.0009 U	0.2000 U	0.0045	--
9/16/02	--	17.810	0.0002 U	0.0781	--	0.0661	0.0096 U	--	0.0010 U	0.0020 U	0.0098	--
6/2/03	--	2.041	0.0002 U	0.0082	--	0.0023	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	4.083	0.0002 U	0.0052	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/24/04	--	6.425	0.0002 U	0.0230	--	0.0026	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
9/21/04	--	17.250	0.0001 U	0.0362	--	0.0071	0.0018 U	--	0.0010 U	0.0003 U	0.0020 U	--
4/6/05	--	25.835	0.0001 U	0.0900	--	0.0092	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	24.560	0.0001 U	0.0767	--	0.0093	0.0018 U	--	0.0010	0.0050 U	0.0047	--
4/5/06	--	0.002 U	0.0001 U	0.0913	--	0.0127	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	--	--	0.0002 U	0.0870	--	0.0185	--	--	0.0007 U	0.0050 U	0.0020 U	--
4/17/07	--	--	0.0002 U	0.0942	--	0.0179	0.0005 U	--	0.0007 U	0.0500 U	0.0030	0.0210
10/2/07	--	--	0.0006	0.2651	--	0.0360	0.0050 U	--	0.0200 U	0.0020 U	0.1443	1.2540
3/25/08	--	--	0.0002 U	0.0908	--	0.0186	0.0008 U	--	0.0006 U	0.0500 U	0.0020 U	0.0248
9/23/08	--	--	0.0002 U	0.0871	--	0.0152	0.0016 U	--	0.0012 U	0.0011 U	0.0105	0.0424
3/10/09	--	--	0.0002 U	0.1029	--	0.0167	0.0043 U	--	0.0008 U	0.0011 U	0.0200 U	0.0776
9/21/09	94.800	22.200	0.0002 U	0.1180	37.20	0.0256	0.0020 U	613.0	0.0020 U	--	0.0104	0.0464
7/27/10	--	--	0.0002 U	0.0970	--	0.0005 J	0.0010 U	--	0.0015	0.0050 U	0.0081	0.0390
9/20/10	94.300	21.800	0.0002 U	0.1010	37.80	0.0256	0.0050 U	500.0	0.0050 U	--	0.0050 U	0.0224
4/19/11	102.000 J	23.500	0.0002 U	0.0920	39.80 J	0.0237	0.0050 U	561.0	0.0050 U	--	0.0050 U	0.0135
9/7/11	98.400	20.900	0.0002 U	--	40.40	0.0224	0.0050 U	550.0	0.0050 U	--	0.0050 U	0.0127
3/6/12	97.400	21.200	0.0002 U	0.0900	39.90	0.0170	0.0050 U	532.0	0.0050 U	--	0.0050 U	0.0130

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	97.400	21.700	0.0002 U	0.0970	41.40	0.0176	0.0050 U	586.0	0.0050 U	--	0.0050 U	0.0129
3/21/13	104.000	20.200	0.0002 U	0.1070	47.40	0.0411	0.0100 U	558.0	0.0050 U	--	0.0100 U	0.0206
9/11/13	96.900	20.100	0.0008 U	0.0963	46.70	0.0188	0.0050 U	483.0	0.0050 U	--	0.0050 U	0.0196
3/24/14	99.200	18.800	0.0002 U	0.0903	44.90	0.0162	0.0050 U	523.0	0.0050 U	--	0.0050 U	0.0231
9/2/14	89.730	18.000	0.0002 U	0.0884	43.00	0.0197	0.0050 U	504.0	0.0050 U	--	0.0050 U	0.0194
3/17/15	96.000	19.000	0.0002 U	0.1000	51.00	0.0210 J	0.0100 U	490.0	0.0020 U	--	0.0100 U	0.0110
9/3/15	100.000	18.000	0.0002 U	0.0910	51.00	0.0320	0.0010 U	510.0	0.0010 U	--	0.0050 U	0.0110
3/17/16	--	17.300	0.0002 U	0.1010	49.50	0.0165	0.0050 U	--	0.0050 U	--	0.0050 U	0.0119
8/31/16	86.400	15.500	0.0002 U	0.0903	45.60	0.0159	0.0020 U	483.0	0.0010 U	--	0.0020 U	0.0074
3/7/17	98.100	15.700	0.0002 U	0.1020	52.60	0.0114	0.0050 U	547.0	0.0050 U	--	0.0050 U	0.0118
9/11/17	89.900	11.900	0.0002 U	0.0848	55.30	0.0105	0.0050 U	460.0	0.0050 U	--	0.0050 U	0.0329
4/4/18	77.800	14.000	0.0002 U	0.0768	51.10	0.0097	0.0050 U	437.0	0.0050 U	--	0.0050 U	0.0232
9/4/18	82.900	10.200	0.0002 U	0.0875	58.40	0.0135	0.0020 U	462.0	0.0010 U	--	0.0020 U	0.0127
4/15/19	77.700	12.600	0.0001 U	0.0727	46.20	0.0010 U	0.0010 U	493.0 B	0.0010 J	--	0.0010 U	0.0090
8/5/19	84.700	14.400	0.0001 U	0.0767	47.90	0.0010 U	0.0010 U	525.0	0.0010 U	--	0.0010 U	0.0104 B
3/3/20	91.800	14.900	0.0001 U	0.0810	51.40	0.0010 U	0.0010 U	495.0	0.0010 U	--	0.0010 U	0.0076

Gude Landfill

Printed 5/20/20

Monitoring Location OB102 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	1.00 U	0.22 U	0.19 U	1.00 U	1.00 U	4.19	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	12.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.37 J	1.00 U	1.00 U	1.00 U	1.00 U	0.4 J	1.00 U	1.00 U
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location OB102 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	1.00 U	0.19 U	1.05	0.11 U	0.62	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	1.00 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	1.72	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.25	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	2.32	0.23 U	1.36	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	12.00 U	0.23 U	1.77	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.84	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	1.58	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	1.81	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.50 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	1.43	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	0.69 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	0.46 J	1.00 U	1.00 U
7/27/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	1.12 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.53 J	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.40	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.27	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.55	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	8.00	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.62	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	7.20 B	--	5 U	1 U	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/4/01	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	2.07	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	2.13	0.15 U	1.00 U	0.2 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	1.00 U
3/24/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.3 U	0.27 U	0.25 U	--	1.34	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.31	0.3 U	0.27 U	0.25 U	--	2.27	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.54	0.3 U	0.27 U	0.25 U	--	1.28	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	1.65	0.3 U	0.27 U	1.00 U	--	2.30	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.74	0.3 U	0.27 U	0.25 U	--	2.14	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	2.43	0.3 U	0.27 U	0.25 U	--	2.50	0.29 U	0.27 U	0.20 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	1.65	0.1 U	0.21 U	0.15 U	--	1.75	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	1.41	0.1 U	0.12 U	0.20 U	--	1.46	0.12 U	0.13 U	0.15 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	2.08	0.1 U	0.12 U	0.20 U	--	1.54	0.12 U	0.13 U	0.15 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	2.27	1.0 U	1.00 U	1.00 U	--	1.38	1.00 U	1.00 U	1.00 U	--	1.00 U
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	--	1.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.51 J	2.0 U	2.00 U	2.00 U	--	0.65 J	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.0 U	1.00 U	1.00 U	--	0.79	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.14	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.14	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.22	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.36	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.74	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.38	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.88	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.44	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.02	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.80	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.75	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Monitoring Location OB102 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.54	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	1.00 U	1.00 U	1.05	--	--	0.22 U	0.21 U	1.93	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U
3/24/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.50 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/27/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB102 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	1.00 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/4/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/2/03	1.32	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
10/8/03	1.83	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	1.00 U	--	2.79	--
3/24/04	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	0.10	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.98	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.33	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	1.11	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.80	--
3/10/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
9/21/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
7/27/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/15/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location OB105 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/1/01	--	--	--	303.4410	0.004	--	--	--	--	--	--	--	--	--
9/17/02	--	--	--	391.0500	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	180.6250	0.008	--	--	--	--	--	--	--	--	0.034
10/8/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.021
3/23/04	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.014
9/20/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.095
4/5/05	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.032
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.018
9/25/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.019
4/17/07	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.012
10/3/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	810.0	12.40	173.0	328.0000	--	--	900.0	0.2000 U	--	--	--	--	--	--
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	600.0	5.02	207.0	334.0000	--	--	950.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/25/11	728.0	25.10	92.4	219.0000 J	--	--	576.0	0.9900	1	0.05 U	--	--	--	--
9/15/11	494.0	4.40	83.4	309.0000	--	--	866.0	0.2000 U	0 U	0.05 U	--	--	--	--

Gude Landfill
Monitoring Location OB105 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
3/13/12	51.0	16.30	140.0	356.0000	--	--	960.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	522.0	3.48	61.5	337.0000	--	--	908.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/2/13	770.0	13.10	93.4	334.0000	--	0	924.0	0.2000 U	0 U	0.05 U	200	6.61	--	--
9/16/13	--	--	--	--	--	0	820.0	--	--	--	-60	6.62	--	--
9/19/13	--	--	--	--	--	2	920.0	--	--	--	69	6.18	--	--
9/23/13	50.0	4.61	56.2	318.0000	--	0	940.0	0.2000 U	0 U	0.05 U	176	6.34	--	--
3/13/14	774.0	19.30	102.0	307.0000	--	1	900.0	0.2000 U	--	--	150	6.69	--	--
9/8/14	645.0	6.80	75.3	336.0000	--	5	924.0	0.2000 U	0 U	0.05 U	228	6.83	--	--
3/18/15	1250.0	42.50	135.0	339.0000	--	0	424.0	0.2000 U	0 U	0.05 U	112	7.00	--	--
9/1/15	1100.0	29.10	121.0	320.0000	--	1	860.0	0.2690	0	0.05 U	77	6.68	--	--
3/16/16	1040.0	29.70	122.0	340.0000	--	0	890.0	0.2000 U	0 U	0.05 U	67	6.80	--	--
8/30/16	870.0	24.00	112.0	308.0000	--	2	660.0	0.2000 U	0 U	0.05 U	135	6.57	--	--
3/6/17	1420.0	43.30	148.0	346.0000	--	--	550.0	0.2000 U	0 U	0.05 U	93	6.96	--	--
9/12/17	877.0	18.90	90.8	305.0000	--	1	400.0	0.2000 U	0 U	0.05 U	163	6.54	--	--
3/28/18	1360.0	52.50	224.0	302.0000	--	--	410.0	0.2000 U	0 U	0.05 U	-97	7.14	--	--
9/11/18	820.0	17.10	87.4	313.0000	--	--	832.0	0.2000 U	0 U	0.05 U	-8	6.41	--	--
4/9/19	1270.0	43.80	131.0	224.0000	--	0	--	0.7000	--	--	-106	6.90	6.97	--
8/1/19	675.0	6.34	77.2	317.0000	--	0	--	1.0000	--	--	-12	6.05	6.53	--
3/9/20	1260.0	41.80	137.0	140.0000	--	1	--	1.4300	--	--	-81	6.79	6.79	--

Gude Landfill
Monitoring Location OB105 - General Parameters

Printed 5/20/20

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/1/01	--	--	--	--	--	--	--	--	36.0	--
9/17/02	--	--	--	--	--	--	--	--	24.3	--
6/2/03	--	--	--	--	--	--	0	--	31.4	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0	--	--	--
10/3/07	--	--	--	--	--	--	0	--	--	--
3/25/08	--	--	--	--	--	--	0	--	--	--
9/23/08	--	--	--	--	--	--	0	--	--	--
9/21/09	--	--	346.0	--	--	1736	--	--	1215.0	--
7/30/10	--	--	--	2.9 J	--	--	--	--	--	--
9/15/10	--	--	309.0	--	--	1876	--	--	3430.0	--
4/25/11	--	--	139.0 J	--	--	1320	--	--	240.0	--
9/15/11	--	--	314.0	--	--	1872	--	--	--	--

Gude Landfill
Monitoring Location OB105 - General Parameters

Printed 5/20/20

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/13/12	--	--	312.0	--	--	1776	--	--	--	--
9/17/12	--	--	289.0	--	--	1628	--	--	--	--
4/2/13	3	--	240.0	--	13.8	1784	--	--	--	1721.0
9/16/13	2	--	--	--	17.7	--	--	--	120.0	6.5
9/19/13	2	--	--	--	13.5	--	--	--	1100.0	820.0
9/23/13	2224	--	299.0	--	17.1	1606	--	--	--	728.0
3/13/14	2477	--	267.0	--	13.2	1600	--	--	--	335.0
9/8/14	2473	--	287.0	--	15.7	1608	--	--	--	1070.0
3/18/15	2920	--	137.0	--	12.2	1792	--	--	--	258.3
9/1/15	2099	--	190.0	--	19.0	1747	--	--	--	39.8
3/16/16	2888	--	189.0	--	14.6	1770	--	--	--	314.5
8/30/16	2561	--	208.0	--	19.5	1620	--	--	--	143.0
3/6/17	3147	--	134.0	--	12.6	1960	--	--	--	44.4
9/12/17	2879	--	267.0	--	18.0	1660	--	--	--	13.5
3/28/18	3078	--	60.7	--	11.4	1770	--	--	--	60.8
9/11/18	2710	--	240.0	--	18.7	1600	--	--	--	8.9
4/9/19	3590	2950	150.0	--	13.3	1730	--	50.3	204.0	19.5
8/1/19	2	2420	267.0	--	16.6	1630	--	163.0	113.0	79.0
3/9/20	2923	3130	114.0	--	13.3	1830	--	55.4	266.0	8.9

Gude Landfill
Monitoring Location OB105 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.189	0.005 U	0.005 U	92.9	0.01 U	0.01	0.005	7.2	0.005 U	84.6	1.550	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.008	0.208	0.005 U	0.005 U	165.0	0.01 U	0.01	0.005	14.1	0.005 U	156.2	3.370	0.0002 U
9/17/12	0.005 U	0.007	0.111	0.005 U	0.005 U	171.0	0.01 U	0.01	0.005	7.2	0.005 U	119.0	2.830	0.0002 U
4/2/13	0.005 U	0.009	0.152	0.005 U	0.005 U	160.0	0.01 U	0.02	0.015	8.4	0.005 U	130.0	5.090	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/13	0.010 U	0.010 U	0.122	0.005 U	0.010 U	173.1	0.01 U	0.01 U	0.010 U	5.6	0.010 U	125.6	3.380	0.0002 U
3/13/14	0.005 U	0.005 U	0.242	0.005 U	0.005 U	144.0	0.01 U	0.01 U	0.005 U	7.6	0.005 U	121.0	1.910	0.0002 U
9/8/14	0.005 U	0.005 U	0.142	0.005 U	0.005 U	158.0	0.01 U	0.01	0.008	4.2	0.005 U	119.0	4.490	0.0002 U
3/18/15	0.002 U	0.006	0.360	0.002 U	0.004 U	150.0	0.01 U	0.01	0.003 J	15.0	0.002 U	150.0	3.200	0.0002 U
9/1/15	0.001 U	0.006	0.240	0.001 U	0.001 U	150.0	0.01 U	0.01	0.005 U	9.6	0.001 U	130.0	4.400	0.0002 U
3/16/16	0.005 U	0.005 U	0.362	0.005 U	0.005 U	--	0.01 U	0.01	0.007	--	0.005 U	--	3.600	0.0002 U
8/30/16	0.002 U	0.004	0.231	0.002 U	0.002 U	132.0	0.00 U	0.01	0.010	8.0	0.002 U	113.0	2.290	0.0002 U
3/6/17	0.005 U	0.005 U	0.410	0.005 U	0.005 U	138.0	0.01 U	0.01	0.007	16.8	0.005 U	135.0	2.960	0.0002 U
9/12/17	0.005 U	0.005 U	0.215	0.005 U	0.005 U	157.0	0.01 U	0.01	0.116	7.5	0.005 U	128.0	3.700	0.0002 U
3/28/18	0.002 U	0.007	0.533	0.002 U	0.002 U	101.0	0.01	0.01	0.002 U	12.8	0.002 U	127.0	1.450	0.0002 U
9/11/18	0.002 U	0.008	0.225	0.002 U	0.002 U	143.0	0.02	0.01	0.002 U	6.2	0.002 U	117.0	3.390	0.0002 U

Gude Landfill

Monitoring Location OB105 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	61.4	0.010	0.01 U	216.0	0.005 U	0.01 U	0.093
9/15/11	0.05	--	--	--	--	--	--	--
3/13/12	0.28	51.0	0.026	0.01 U	242.0	0.005 U	0.01 U	0.010
9/17/12	0.07	12.8	0.025	0.01 U	179.0	0.005 U	0.01 U	0.016
4/2/13	0.10	25.7	0.030	0.01 U	279.0	0.005 U	0.01 U	0.009
9/16/13	0.01	--	--	--	--	--	--	--
9/19/13	0.10	--	--	--	--	--	--	--
9/23/13	0.07	12.7	0.017	0.01 U	190.0	0.010 U	0.01 U	0.017
3/13/14	0.03	46.4	0.019	0.01 U	188.0	0.005 U	0.01 U	0.018
9/8/14	0.03	18.1	0.013	0.01 U	194.0	0.005 U	0.01 U	0.045
3/18/15	0.03	88.0	0.017 J	0.01 U	330.0	0.002 U	0.01 U	0.016
9/1/15	0.01	55.0	0.017	0.00 U	280.0	0.001 U	0.01 U	0.060
3/16/16	0.02	58.3	0.011	0.01 U	--	0.005 U	0.01 U	0.020
8/30/16	0.02	55.8	0.010	0.00 U	237.0	0.001 U	0.00 U	0.045
3/6/17	0.02	78.2	0.012	0.01 U	323.0	0.005 U	0.01 U	0.010
9/12/17	0.02	41.5	0.008	0.01 U	232.0	0.005 U	0.01 U	0.101
3/28/18	0.01	102.0	0.014	0.00 U	361.0	0.001 U	0.01	0.010
9/11/18	0.03	41.9	0.016	0.00 U	216.0	0.001 U	0.01	0.012

Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0027	0.1043	0.0005 U	--	0.0020 U	--	0.0035	0.0061	0.0319	--	0.0031
9/17/02	0.0020 U	0.0184	0.1957	0.0020 U	--	0.0020 U	--	0.0068	0.0095	0.0177	--	0.0039
6/2/03	0.0007 U	0.0020	0.0954	0.0004 U	--	0.0020 U	--	0.0042	0.0064	0.0190	--	0.0054
10/8/03	0.0009 U	0.0020 U	0.1666	0.0016 U	--	0.0007 U	--	0.0025	0.0051	0.0416	--	0.0020 U
3/23/04	0.0009 U	0.0050	0.2607	0.0016 U	--	0.0007 U	--	0.0028	0.0173	0.0100 U	--	0.0024
9/20/04	0.0028 U	0.0020 U	0.1224	0.0012 U	--	0.0020 U	--	0.0026	0.0045	0.0130	--	0.0020
4/5/05	0.0028 U	0.0070	0.5120	0.0012 U	--	0.0020	--	0.0051	0.0146	0.0156	--	0.0020 U
9/21/05	0.0028 U	0.0023	0.2067	0.0012 U	--	0.0020	--	0.0027	0.0070	0.0654	--	0.0033
4/4/06	0.0006 U	0.0058	0.2254	0.0007 U	--	0.0079	--	0.0028	0.0077	0.0148	--	0.0033
9/25/06	0.0007 U	0.0027	0.2080	0.0009 U	--	0.0125	--	0.0024	0.0054	0.0103	--	0.0020 U
4/17/07	0.0007 U	0.0041	0.2161	0.0009 U	2.469	--	--	0.0020 U	0.0073	0.0094	--	0.0020 U
10/3/07	0.0020 U	0.0057	0.1660	0.0009 U	1.541	--	--	0.0057	0.0116	0.0217	--	0.0033
3/25/08	0.0005 U	0.0064	0.2560	0.0010 U	1.151	--	--	0.0044	0.0120	0.0184	--	0.0021
9/23/08	0.0010 U	0.0044	0.1682	0.0020 U	4.000 U	--	--	0.0040 U	0.0077	0.0120	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.4660	0.0012 U	4.152	--	--	0.0100 U	0.0108	0.0134	--	0.0007 U
9/21/09	0.0020 U	0.0120	0.3040	0.0026	--	0.0047	156.0	0.0717	0.1010	0.1120	85.3	0.0268
7/30/10	0.0010 U	0.0052	0.2000	0.0014	--	0.0010 U	--	0.0720	0.0460	0.0430	--	0.0088
9/15/10	0.0050 U	0.0109	0.2580	0.0050 U	--	0.0050 U	165.0	0.0808	0.1960	0.1730	110.0	0.0332
4/25/11	0.0050 U	0.0050 U	0.2180	0.0050 U	--	0.0050 U	92.2	0.0106	0.0202	0.0277	17.1 J	0.0050 U
9/15/11	0.0050 U	0.0050 U	0.1570	0.0050 U	--	0.0050 U	170.0	0.0184	0.0345	0.0237	20.0	0.0150
3/13/12	0.0050 U	0.0147	0.6010	0.0112	--	0.0109	160.0	0.1660	0.2000	0.2930	253.0	0.0726
9/17/12	0.0050 U	0.0090	0.1380	0.0050 U	--	0.0050 U	167.0	0.0236	0.0316	0.0417	26.7	0.0155
4/2/13	0.0050 U	0.0094	0.2330	0.0050 U	--	0.0050 U	168.0	0.0434	0.0540	0.0906	50.7	0.0164

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/16/13	0.0050 U	0.0018	0.2600	0.0010 U	--	0.0010 U	130.0	0.0016	0.0064	0.0013	11.0	0.0010 U
9/19/13	0.0050 U	0.0078	0.1900	0.0033	--	0.0015	170.0	0.0370	0.0480	0.0580	41.0	0.0420
9/23/13	0.0050 U	0.0058	0.1440	0.0050 U	--	0.0050 U	169.0	0.0235	0.0306	0.0415	24.7	0.0104
3/13/14	0.0050 U	0.0050 U	0.2770	0.0050 U	--	0.0050 U	147.0	0.0213	0.0214	0.0321	27.2	0.0075
9/8/14	0.0050 U	0.0050 U	0.3370	0.0050 U	--	0.0050 U	166.0	0.0574	0.0436	0.0958	75.4	0.0280
3/18/15	0.0020 U	0.0070	0.3900	0.0020 U	--	0.0040 U	140.0	0.0087 J	0.0190	0.0210	27.0	0.0037
9/1/15	0.0010 U	0.0061	0.2800	0.0010 U	--	0.0005 U	150.0	0.0050 U	0.0110	0.0050 U	14.0	0.0010 U
3/16/16	0.0050 U	0.0050 U	0.3810	0.0050 U	--	0.0050 U	--	0.0050 U	0.0129	0.0150	--	0.0050 U
8/30/16	0.0020 U	0.0035	0.2450	0.0020 U	--	0.0020 U	136.0	0.0065	0.0105	0.0159	13.1	0.0035
3/6/17	0.0050 U	0.0050 U	0.4520	0.0050 U	--	0.0050 U	143.0	0.0050 U	0.0088	0.0102	19.6	0.0050 U
9/12/17	0.0050 U	0.0050 U	0.2260	0.0050 U	--	0.0050 U	154.0	0.0050 U	0.0079	0.0074	9.6	0.0050 U
3/28/18	0.0050 U	0.0075	0.5820	0.0050 U	--	0.0050 U	110.0	0.0050 U	0.0070	0.0093	19.6	0.0050 U
9/11/18	0.0050 U	0.0055	0.2300	0.0050 U	--	0.0050 U	142.0	0.0050 U	0.0073	0.0050 U	6.7	0.0050 U
4/9/19	0.0010 U	0.0027	0.5660	0.0010 U	--	0.0010 U	115.0	0.0021	0.0066	0.0020	21.4	0.0010 U
8/1/19	0.0010 U	0.0031	0.1340	0.0010 U	--	0.0010 U	139.0	0.0096	0.0126	0.0141	14.4	0.0034
3/9/20	0.0010 U	0.0026	0.5700	0.0010 U	--	0.0010 U	139.0	0.0041	0.0076	0.0012	22.5	0.0010 U

Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	1.268	0.0001 U	0.0096	--	0.0060	0.0052 U	--	0.0009 U	0.2000 U	0.0034	--
9/17/02	--	2.301	0.0001 U	0.0185	--	0.0462	0.0262	--	0.0010	0.0008 U	0.0003 U	--
6/2/03	--	0.878	0.0002 U	0.0140	--	0.0026	0.0096 U	--	0.0010 U	0.0008 U	0.0071	--
10/8/03	--	1.850	0.0002 U	0.0092	--	0.0051	0.0022 U	--	0.0004 U	0.0003 U	0.0034	--
3/23/04	--	2.046	0.0002 U	0.0137	--	0.0049	0.0022 U	--	0.0004 U	0.0003 U	0.0038	--
9/20/04	--	1.112	0.0001 U	0.0088	--	0.0036	0.0018 U	--	0.0006 U	0.0003 U	0.0032	--
4/5/05	--	2.101	0.0001 U	0.0145	--	0.0070	0.0018 U	--	0.0006 U	0.0050 U	0.0060	--
9/21/05	--	2.237	0.0001 U	0.0141	--	0.0044	0.0018 U	--	0.0006 U	0.0050 U	0.0037	--
4/4/06	--	0.002 U	0.0001 U	0.0111	--	0.0135	0.0004 U	--	0.0004 U	0.0050 U	0.0023	--
9/25/06	--	1.481	--	0.0103	--	0.0040	0.0005 U	--	0.0007 U	0.0050 U	0.0020 U	--
4/17/07	--	--	0.0002 U	0.0091	--	0.0087	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0175
10/3/07	--	--	0.0004	0.0200	--	0.0120	0.0005 U	--	0.0007 U	0.0020 U	0.0077	0.0799
3/25/08	--	--	0.0002 U	0.0142	--	0.0119	0.0008 U	--	0.0006 U	0.0500 U	0.0042	0.1131
9/23/08	--	--	0.0002 U	0.0143	--	0.0100	0.0016 U	--	0.0012 U	0.0020 U	0.0040 U	0.0352
3/9/09	--	--	0.0002 U	0.0116	--	0.0130	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0501
9/21/09	129.000	3.580	0.0038	0.1740	35.70	0.0193	0.0020 U	286.0	0.0020 U	--	0.0789	0.5560
7/30/10	--	--	0.0013	0.1100	--	0.0007 U	0.0010 U	--	0.0010 U	0.0030 U	0.0340	0.1700
9/15/10	132.000	3.760	0.0031	0.2280	19.30	0.0214	0.0050 U	174.0	0.0050 U	--	0.1360	0.7650
4/25/11	96.500	1.680	0.0003	0.0258	61.30	0.0102	0.0050 U	202.0	0.0050 U	--	0.0194	0.1530
9/15/11	132.000	2.660	0.0010	--	15.00	0.0098	0.0050 U	183.6	0.0050 U	--	0.0331	0.1500
3/13/12	168.000	6.030	0.0065	0.0260	58.60	0.0198	0.0050 U	226.0	0.0050 U	--	0.3630	0.9750
9/17/12	116.000	3.070	0.0017	0.0364	12.90	0.0225	0.0050 U	167.0	0.0050 U	--	0.0492	0.2520
4/2/13	139.000	4.650	0.0008	0.0364	33.30	0.0276	0.0050 U	279.0	0.0050 U	--	0.0811	0.2630

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/16/13	120.000	2.100	0.0002 U	--	70.00	0.0010 U	0.0010 U	280.0	0.0010 U	--	0.0050 U	2.0000 U
9/19/13	120.000	3.100	0.0014	--	12.00	0.0007 J	0.0010 U	150.0	0.0010 U	--	0.0920	0.4900
9/23/13	127.000	3.530	0.0010	0.0306	15.40	0.0157	0.0050 U	184.0	0.0050 U	--	0.0362	0.1570
3/13/14	128.000	1.910	0.0006	0.0508	51.50	0.0169	0.0050 U	224.0	0.0050 U	--	0.0307	0.1800
9/8/14	137.000	5.170	0.0044	0.0915	23.40	0.0144	0.0050 U	207.9	0.0050 U	--	0.0896	0.3910
3/18/15	150.000	3.100	0.0003	0.0037 J	89.00	0.0130 J	0.0100 U	320.0	0.0020 U	--	0.0160	0.0760
9/1/15	130.000	4.700	0.0002 U	0.0100 J	65.00	0.0160	0.0010 U	300.0	0.0010 U	--	0.0050 U	0.0850
3/16/16	--	3.540	0.0002 U	0.0211	69.30	0.0111	0.0050 U	--	0.0050 U	--	0.0050 U	0.0379
8/30/16	115.000	2.760	0.0002 U	0.0252	51.40	0.0096	0.0020 U	233.0	0.0010 U	--	0.0098	0.0599
3/6/17	144.000	2.740	0.0002 U	0.0157	86.30	0.0115	0.0050 U	346.0	0.0050 U	--	0.0050 U	0.0220
9/12/17	126.000	3.460	0.0002 U	0.0222	44.60	0.0079	0.0050 U	245.0	0.0050 U	--	0.0050 U	0.0409
3/28/18	135.000	1.410	0.0002 U	0.0129	112.00	0.0050 U	0.0050 U	337.0	0.0050 U	--	0.0050 U	0.0519
9/11/18	116.000	3.440	0.0002 U	0.0216	43.50	0.0158	0.0050 U	220.0	0.0050 U	--	0.0050 U	0.0191
4/9/19	138.000	1.900	0.0001 U	0.0108	85.70	0.0010 U	0.0010 U	253.0	0.0010 U	--	0.0013	0.0261 B
8/1/19	121.000	5.520	0.0003	0.0381	15.80	0.0014	0.0010 U	194.0	0.0010 U	--	0.0115	0.0878 B
3/9/20	180.000	2.510	0.0001 U	0.0150	89.90	0.0010 U	0.0010 U	360.0	0.0010 U	--	0.0020	0.0167

Gude Landfill

Printed 5/20/20

Monitoring Location OB105 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	1.00 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/17/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	0.21 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	0.23 J
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.55 J
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location OB105 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB105 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/17/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	1.35	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.30	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	1.46	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	3.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.27	--	1 U	--	1.00 U	1.00 U	1.00 U
7/30/10	--	1.00 U	3.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	3.32	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	31.10	--	2 U	--	0.90 U	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB105 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/13/12	--	--	3.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	4.51	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	7.03	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	3.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	4.22	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.78	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	2.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	3.05	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.88	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	2.87	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	3.52	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	2.61	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	9.40 B	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	3.70	1.00 U	5.00 U	--	5.00 U	--	5 U	6.90	--	5 U	1 U	1.00 U	--	1.00 U
3/9/20	--	1.00 U	1.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.10	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location OB105 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/17/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/23/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	3.19	0.29 U	0.27 U	0.20 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	3.71	0.29 U	0.27 U	0.20 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	8.03	0.29 U	0.27 U	0.20 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.50 U	--	0.25 U	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.50 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	7.14	0.12 U	0.13 U	0.15 U	--	0.12 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	0.60 J	1.0 U	1.00 U	1.00 U	--	11.10	1.00 U	1.00 U	1.00 U	--	1.00 U
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	13.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.55 J	0.9 J	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB105 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	14.00	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	15.00	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.24	1.0 U	1.00 U	1.00 U	--	24.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.60	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.17	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.54	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.11	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.64	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.99	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.77	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.77	1.00 U	1.00 U	1.00 U	--	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.90	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	7.60	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	2.00	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location OB105 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/17/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/30/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	0.77 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB105 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location OB105 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/17/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/2/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.51	--
3/23/04	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	0.04	--
9/20/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.01	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.31	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/3/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	2.04	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.69	0.10 U	--	0.18 U	--
3/9/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/21/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.25	1.00 U	--	1.51	--
7/30/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00	1.00 U	1 U	1.00 U	--
9/15/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	1.38 J	2.00 U	2 U	3.03	--
4/25/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.10	1.00 U	1 U	1.00 U	1 U

**Gude Landfill
Monitoring Location OB105 - Volatile Organic Compounds**

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/13/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.40	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.96	1.00 U	5 U	1.66	--
9/23/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.46	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/28/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/9/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/9/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location MW-1B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/30/10	48.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/19/11	49.0	0.20 U	6.5	2.5000 U	--	--	36.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/12/11	49.0	0.20 U	10.0 U	2.5000 U	--	--	33.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	58.0	0.20 U	10.0 U	2.7500	--	--	60.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/18/12	52.0	0.20 U	10.0 U	3.3300	--	--	80.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/1/13	49.0	0.20 U	10.0 U	3.2400	--	7	36.0	0.2000 U	0 U	0.05 U	450	6.21	--	113	--
9/23/13	49.0	0.20 U	10.0 U	3.2700	--	8	40.0	0.2000 U	0 U	0.05 U	376	6.10	--	96	--
3/24/14	47.0	0.20 U	10.0 U	3.9600	--	8	50.0	0.2000 U	--	--	401	6.12	--	86	--
9/3/14	43.0	0.20 U	10.0 U	2.6000	--	8	42.0	0.2000 U	0 U	0.05 U	380	6.35	--	78	--
3/17/15	45.0	0.20 U	10.0 U	3.6600	--	0	40.0	0.2000 U	0 U	0.05 U	350	6.52	--	71	--
9/2/15	46.0	0.20 U	10.0 U	2.5000 U	--	8	42.0	0.2000 U	0 U	0.05 U	321	5.96	--	80	--
3/22/16	44.0	0.20 U	10.0 U	2.5000 U	--	0	32.0	0.2000 U	0 U	0.05 U	354	6.07	--	44	--
9/6/16	53.0	0.20 U	10.0 U	2.7100	--	8	68.0	0.2000 U	0 U	0.05 U	346	5.92	--	89	--
3/9/17	47.0	0.20 U	10.0 U	2.8200	--	--	42.0	0.2000 U	0 U	0.05 U	365	6.02	--	89	--
9/11/17	68.0	0.20 U	10.0 U	3.0400	--	7	92.0	0.2000 U	0 U	0.05 U	472	6.25	--	93	--
4/5/18	49.8	0.20 U	10.0 U	3.5300	--	--	43.2	0.2220	0	0.05 U	253	6.14	--	94	--
9/11/18	49.5	0.20 U	10.0 U	3.1100	--	--	39.7	0.2050	0	0.05 U	225	5.82	--	101	--
4/19/19	43.7	0.10 U	3.0 U	2.7000	--	8	--	0.2000 U	--	--	210	6.13	5.48	110	89

Gude Landfill
Monitoring Location MW-1B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/9/19	43.4	0.10 U	3.0 U	2.5000	--	9	--	0.2000 U	--	--	199	5.79	6.30	0	89
3/4/20	45.1	0.10 U	3.0 U	2.6000	--	8	--	0.1500 J	--	--	232	5.99	6.58	92	93

Gude Landfill
Monitoring Location MW-1B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
	MCL/ GWPS						
7/28/10	--	3.0 U	--	--	--	--	--
9/30/10	4.0 U	--	--	440	--	28.2	--
4/19/11	4.0 U	--	--	92	--	39.4	--
9/12/11	4.0 U	--	--	80	--	--	--
3/12/12	4.0 U	--	--	92	--	--	--
9/18/12	4.0 U	--	--	92	--	--	--
4/1/13	4.0 U	--	16.4	136	--	--	47.7
9/23/13	4.0 U	--	16.4	90	--	--	33.9
3/24/14	4.0 U	--	15.8	67	--	--	12.3
9/3/14	4.0 U	--	16.8	70	--	--	37.5
3/17/15	4.0 U	--	19.2	98	--	--	1.2
9/2/15	4.0 U	--	19.1	1 U	--	--	2.9
3/22/16	4.0 U	--	17.0	172	--	--	2.2
9/6/16	4.0 U	--	21.2	74	--	--	34.5
3/9/17	4.0 U	--	22.0	10 U	--	--	8.6
9/11/17	4.0 U	--	15.5	74	--	--	0.5
4/5/18	4.0 U	--	9.6	91	--	--	11.1
9/11/18	4.0 U	--	17.4	59	--	--	13.8
4/19/19	1.0 U	--	16.5	106	22.9	4.8	6.8

Gude Landfill
Monitoring Location MW-1B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/9/19	1.0 U	--	16.9	69	5.8	1.3	0.7
3/4/20	1.0 U	--	18.9	76	5.2	1.9	36.1

Gude Landfill
Monitoring Location MW-1B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.007	0.005 U	0.005 U	7.9	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	4.1	0.007	0.0002 U
9/12/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.006	0.005 U	0.005 U	9.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.0	--	0.0002 U
9/18/12	0.005 U	0.005 U	0.010	0.005 U	0.005 U	10.1	0.01 U	0.01 U	0.005 U	0.3	0.005 U	5.5	0.157	0.0002 U
4/1/13	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	9.0	0.01 U	0.01 U	0.012	0.2 U	0.005 U	4.7	0.008	0.0002 U
9/23/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	8.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.6	0.005	0.0002 U
3/24/14	0.005 U	0.005 U	0.006	0.005 U	0.005 U	8.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.0	0.005 U	0.0002 U
9/3/14	0.005 U	0.005 U	0.006	0.005 U	0.005 U	7.5	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.0	0.005 U	0.0002 U
3/17/15	0.002 U	0.002 U	0.010 U	0.002 U	0.004 U	5.9	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	3.7	0.005 U	0.0002 U
9/2/15	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	6.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	3.6	0.008 J	0.0002 U
3/22/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.5	0.002 U	0.0044
9/6/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.9	0.002 U	0.0002 U
3/9/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.9	0.00 U	0.00 U	0.003	0.2 U	0.002 U	4.0	0.006	0.0002 U
9/11/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	7.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.3	0.002 U	0.0002 U
4/5/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	7.9	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	4.7	0.002 U	0.0002 U
9/11/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	7.9	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	4.7	0.007	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-1B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	1.0	0.005 U	0.01 U	8.2	0.005 U	0.01 U	0.005 U
9/12/11	0.01	--	--	--	--	--	--	--
3/12/12	0.01	1.1	0.005 U	0.01 U	9.1	0.005 U	0.01 U	0.007
9/18/12	0.27	1.5	0.005 U	0.01 U	9.6	0.005 U	0.01 U	0.033
4/1/13	0.01	1.4	0.005 U	0.01 U	12.3	0.005 U	0.01 U	0.005 J
9/23/13	0.01	1.1	0.005 U	0.01 U	7.8	0.005 U	0.01 U	0.005
3/24/14	0.01 U	1.1	0.005 U	0.01 U	8.9	0.005 U	0.01 U	0.006
9/3/14	0.01 U	1.0	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.008
3/17/15	0.01 U	0.9	0.035 U	0.01 U	7.1	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	1.0	0.005 U	0.00 U	7.6	0.001 U	0.01 U	0.005 U
3/22/16	0.00 U	0.9	0.002 U	0.00 U	6.7	0.001 U	0.00 U	0.002 U
9/6/16	0.00 U	0.9	0.002 U	0.00 U	7.3	0.001 U	0.00 U	0.002 U
3/9/17	0.00 U	1.0	0.002 U	0.00 U	7.5	0.001 U	0.00 U	0.002
9/11/17	0.00 U	1.0	0.002 U	0.00 U	7.6	0.001 U	0.00 U	0.002
4/5/18	0.00 U	1.1	0.002 U	0.00 U	8.1	0.001 U	0.00 U	0.002 U
9/11/18	0.00 U	1.1	0.002 U	0.00 U	7.5	0.001 U	0.00 U	0.002 U

Gude Landfill
Monitoring Location MW-1B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/28/10	0.0010 U	0.0010	0.0062	0.0010 U	0.0010 U	--	0.0190	0.0024	0.0095	--	0.0017	--
9/30/10	0.0050 U	0.0050 U	0.0057	0.0050 U	0.0050 U	6.8	0.0055	0.0050 U	0.0086	1.2	0.0050 U	3.720
4/19/11	0.0050 U	0.0050 U	0.0081	0.0050 U	0.0050 U	8.2	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	4.580
9/12/11	0.0050 U	0.0050 U	0.0089	0.0050 U	0.0050 U	6.9	0.0050	0.0050 U	0.0080	1.6	0.0055	4.340
3/12/12	0.0050 U	0.0050 U	0.0084	0.0050 U	0.0050 U	8.8	0.0085	0.0050 U	0.0104	2.2	0.0050 U	5.740
9/18/12	0.0050 U	0.0050 U	0.0338	0.0100 U	0.0050 U	10.4	0.2330	0.0205	0.0802	17.6	0.0117	11.600
4/1/13	0.0050 U	0.0050 U	0.0061	0.0050 U	0.0050 U	9.1	0.0052	0.0050 U	0.0159	1.3	0.0050 U	5.420
9/23/13	0.0050 U	0.0050 U	0.0085	0.0050 U	0.0050 U	8.3	0.0071	0.0050 U	0.0057	0.6	0.0050 U	4.560
3/24/14	0.0050 U	0.0050 U	0.0070	0.0050 U	0.0050 U	7.8	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	4.630
9/3/14	0.0050 U	0.0050 U	0.0085	0.0050 U	0.0050 U	7.7	0.0050 U	0.0050 U	0.0053	1.0	0.0050 U	4.360
3/17/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	6.0	0.0100 U	0.0100 U	0.0025 J	0.9	0.0020 U	4.100
9/2/15	0.0010 U	0.0010 U	0.0050 U	0.0010 U	0.0005 U	5.9	0.0050 U	0.0050 U	0.0050 U	0.4	0.0010 U	3.700
3/22/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	6.1	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.540
9/6/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	6.6	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.940
3/9/17	0.0050 U	0.0050 U	0.0073	0.0050 U	0.0050 U	9.2	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	4.950
9/11/17	0.0050 U	0.0050 U	0.0057	0.0050 U	0.0050 U	9.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	4.910
4/5/18	0.0050 U	0.0050 U	0.0061	0.0050 U	0.0050 U	9.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	5.040
9/11/18	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	8.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	4.820
4/19/19	0.0010 U	0.0010 U	0.0018	0.0010 U	0.0010 U	5.3	0.0012	0.0010 U	0.0028	0.4	0.0010 U	4.020
8/9/19	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	5.0	0.0051	0.0010 U	0.0010 U	0.1	0.0010 U	3.800
3/4/20	0.0010 U	0.0010 U	0.0016	0.0010 U	0.0010 U	5.5	0.0030	0.0010 U	0.0010 U	0.1	0.0010 U	3.820

Gude Landfill
Monitoring Location MW-1B - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/28/10	--	0.0002 U	0.0140	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0059	0.0260
9/30/10	0.038	0.0002 U	0.0055	1.25	0.0050 U	0.0050 U	10.2	0.0050 U	--	0.0050 U	0.0102
4/19/11	0.050	0.0002 U	0.0050 U	1.15	0.0050 U	0.0050 U	8.4	0.0050 U	--	0.0050 U	0.0069
9/12/11	0.044	0.0002 U	--	1.47	0.0050 U	0.0050 U	6.8	0.0050 U	--	0.0050 U	0.0145
3/12/12	0.054	0.0002 U	0.0050 U	1.36	0.0050 U	0.0050 U	8.9	0.0050 U	--	0.0050 U	0.0179
9/18/12	0.516	0.0002 U	0.0716	3.47	0.0050 U	0.0050 U	8.6	0.0050 U	--	0.0220	0.1090
4/1/13	0.044	0.0002 U	0.0050 U	1.53	0.0050 U	0.0050 U	12.8	0.0050 U	--	0.0050 U	0.0120
9/23/13	0.019	0.0002 U	0.0050 U	1.06	0.0050 U	0.0050 U	7.4	0.0050 U	--	0.0050 U	0.0072
3/24/14	0.019	0.0002 U	0.0050 U	1.06	0.0050 U	0.0050 U	8.0	0.0050 U	--	0.0050 U	0.0063
9/3/14	0.028	0.0002 U	0.0051	1.14	0.0050 U	0.0050 U	7.3	0.0050 U	--	0.0050 U	0.0143
3/17/15	0.022	0.0002 U	0.0110 U	1.00	0.0350 U	0.0100 U	7.2	0.0020 U	--	0.0100 U	0.0068 J
9/2/15	0.010 U	0.0002 U	0.0100 U	1.10	0.0050 U	0.0010 U	7.5	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	0.002 U	0.0002 U	0.0020 U	0.90	0.0020 U	0.0020 U	6.7	0.0010 U	--	0.0020 U	0.0020 U
9/6/16	0.006	0.0002 U	0.0020 U	0.97	0.0020 U	0.0020 U	7.4	0.0010 U	--	0.0020 U	0.0020 U
3/9/17	0.009	0.0002 U	0.0050 U	1.15	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0050 U	0.0050 U
9/11/17	0.009	0.0002 U	0.0050 U	1.12	0.0050 U	0.0050 U	8.6	0.0050 U	--	0.0050 U	0.0307
4/5/18	0.012	0.0002 U	0.0050 U	1.17	0.0050 U	0.0050 U	8.4	0.0050 U	--	0.0050 U	0.0238
9/11/18	0.005 U	0.0002 U	0.0050 U	1.13	0.0050 U	0.0050 U	8.3	0.0050 U	--	0.0050 U	0.0050 U
4/19/19	0.012	0.0001 U	0.0011	1.08	0.0010 U	0.0010 U	7.6	0.0010 U	--	0.0011	0.0065
8/9/19	0.003	0.0001 U	0.0036 B	0.95	0.0010 U	0.0010 U	7.4	0.0010 U	--	0.0010 U	0.0040 U
3/4/20	0.004	0.0001 U	0.0020	1.04	0.0010 U	0.0010 U	7.5	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-1B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location MW-1B - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	10.00	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/19/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/9/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/4/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-1B - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-1B - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/4/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location MW-1B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location MW-2A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/30/10	30.0	0.20 U	10.0 U	2.5000 U	--	--	19.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/19/11	40.0	0.20 U	7.5	2.7400	--	--	25.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/7/11	35.0	0.20 U	10.0 U	2.6900	--	--	22.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/6/12	46.0	0.20 U	10.0 U	2.6500	--	--	32.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/11/12	54.0	0.20 U	10.0 U	2.6300	--	--	32.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/11/13	56.0	0.20 U	10.0 U	5.7600	--	1	48.0	0.2000 U	0 U	0.05 U	270	5.31	--	104	--
3/24/14	49.0	0.20 U	10.0 U	3.3900	--	--	46.0	0.2000 U	--	--	--	--	--	--	--
9/2/14	28.0	0.20 U	10.0 U	3.7300	--	4	30.0	0.2000 J	0	0.05 U	--	6.56	--	56	--
3/17/15	30.0	0.20 U	10.0 U	2.6900	--	3	34.0	0.2000 U	0	0.05 U	349	5.72	--	54	--
9/3/15	34.0	0.20 U	10.0 U	3.4600	--	4	130.0	0.2000 U	0 U	0.05 U	340	5.17	--	63	--
3/17/16	39.0	0.20 U	10.0 U	4.7700	--	3	100.0	0.2000 U	0 U	0.05 U	389	5.43	--	86	--
8/31/16	51.0	0.20 U	10.0 U	3.3200	--	5	40.0	0.2000 U	0 U	0.05 U	412	5.44	--	72	--
3/7/17	65.0	0.20 U	10.0 U	4.3100	--	7	40.0	0.2000 U	0 U	0.05 U	332	5.65	--	84	--
9/11/17	--	--	--	--	--	6	--	--	--	--	333	6.01	--	110	--
4/15/19	19.5	0.10 U	5.0	2.9000	--	8	--	0.2000 U	--	--	182	5.37	5.65	66	55
8/5/19	19.0	0.37	3.0 U	2.5000	--	8	--	0.2000 U	--	--	285	4.28	5.49	0	48
3/2/20	20.8	0.10 U	3.0 U	2.4000	--	6	--	0.3500	--	--	302	5.17	5.65	53	53

Gude Landfill
Monitoring Location MW-2A - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
	MCL/ GWPS						
7/27/10	--	3.0 U	--	--	--	--	--
9/30/10	4.0 U	--	--	465	--	58.9	--
4/19/11	4.0 U	--	--	112	--	117.6	--
9/7/11	4.0 U	--	--	108	--	--	--
3/6/12	4.0 U	--	--	84	--	--	--
9/11/12	4.0 U	--	--	100	--	--	--
9/11/13	4.0 U	--	16.4	4	--	--	11.3
3/24/14	4.0 U	--	--	70	--	--	--
9/2/14	4.0 U	--	19.7	84	--	--	--
3/17/15	4.0 U	--	16.9	72	--	--	2.7
9/3/15	4.0 U	--	19.1	1 U	--	--	65.5
3/17/16	4.0 U	--	15.6	215	--	--	0.9
8/31/16	4.0 U	--	18.9	65	--	--	0.0
3/7/17	4.0 U	--	12.7	120	--	--	4.6
9/11/17	--	--	15.4	--	--	--	1016.0
4/15/19	1.9	--	15.6	17	5.3	7.0	9.8
8/5/19	1.0 U	--	16.5	45	109.0	104.0	115.8
3/2/20	0.6 J	--	17.3	43	2.5 U	0.5 U	38.0

Gude Landfill
Monitoring Location MW-2A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.013	0.005 U	0.005 U	7.2	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	3.1	0.104	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/11/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/11/13	0.005 U	0.005 U	0.016	0.005 U	0.005 U	10.5	0.01 U	0.01 U	0.006	0.5	0.005 U	4.4	0.234	0.0002 U
9/2/14	0.005 U	0.005 U	0.026	0.005 U	0.005 U	5.7	0.01 U	0.01	0.005 U	0.2 U	0.005 U	3.2	0.401	0.0002 U
3/17/15	0.002 U	0.002 U	0.011	0.002 U	0.004 U	5.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	2.9	0.180	0.0002 U
9/3/15	0.001 U	0.001 U	0.011	0.001 U	0.001 U	4.9	0.01 U	0.00 J	0.003 J	0.1	0.001 U	2.9	0.300	0.0002 U
3/17/16	0.002 U	0.002 U	0.010	0.002 U	0.002 U	6.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.3	0.041	0.0002 U
8/31/16	0.002 U	0.002 U	0.010	0.002 U	0.002 U	9.0	0.00 U	0.00 U	0.005	0.2 U	0.002 U	4.6	0.034	0.0002 U
3/7/17	0.002 U	0.002 U	0.014	0.002 U	0.002 U	8.5	0.00	0.00 U	0.005	0.3	0.002 U	3.7	0.193	0.0002 U

Gude Landfill

Monitoring Location MW-2A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01	1.7	0.005 U	0.01 U	6.7	0.005 U	0.01 U	0.015
9/7/11	0.01	--	--	--	--	--	--	--
3/6/12	0.03	--	--	--	--	--	--	--
9/11/12	0.03	--	--	--	--	--	--	--
9/11/13	0.03	2.0	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.031
9/2/14	0.01 U	1.6	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.028
3/17/15	0.01 U	1.6	0.035 U	0.01 U	4.7	0.002 U	0.01 U	0.006 U
9/3/15	0.04	1.7	0.005 U	0.00 U	4.6	0.001 U	0.01 U	0.013
3/17/16	0.00 U	1.5	0.002 U	0.00 U	6.2	0.001 U	0.00 U	0.003
8/31/16	0.00	2.1	0.002 U	0.00 U	8.6	0.001 U	0.00 U	0.010
3/7/17	0.01	1.7	0.002 U	0.00 U	6.6	0.001 U	0.00 U	0.030

Gude Landfill
Monitoring Location MW-2A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
7/27/10	0.0010 U	0.0022	0.0310	0.0010 U	0.0010 U	--	0.0210	0.0079	0.0160	--	0.0068	--	--
9/30/10	0.0050 U	0.0050 U	0.0155	0.0050 U	0.0050 U	4.9	0.0084	0.0050 U	0.0080	1.4	0.0050 U	2.150	0.120
4/19/11	0.0050 U	0.0050 U	0.0299	0.0050 U	0.0050 U	7.8	0.0085	0.0050 U	0.0118	3.1	0.0055	3.750	0.173
9/7/11	0.0050 U	0.0050 U	0.0206	0.0050 U	0.0050 U	8.9	0.0050 U	0.0050 U	0.0069	0.7	0.0050 U	3.250	0.204
3/6/12	0.0050 U	0.0050 U	0.0209	0.0050 U	0.0050 U	10.5	0.0404	0.0140	0.0280	1.3	0.0050 U	3.590	0.148
9/11/12	0.0050 U	0.0050 U	0.0181	0.0050 U	0.0050 U	11.1	0.0220	0.0050 U	0.0163	0.7	0.0050 U	4.810	0.151
9/11/13	0.0050 U	0.0050 U	0.0172	0.0050 U	0.0050 U	13.2	0.0050 U	0.0052	0.0106	1.5	0.0050 U	5.720	0.602
3/24/14	0.0050 U	0.0050 U	0.0247	0.0050 U	0.0050 U	10.2	0.0184	0.0050 U	0.0543	2.2	0.0050 U	4.580	0.420
9/2/14	0.0050 U	0.0050 U	0.1420	0.0050 U	0.0050 U	6.3	0.0355	0.0174	0.0411	17.3	0.0221	6.910	0.595
3/17/15	0.0020 U	0.0020 U	0.0120	0.0020 U	0.0040 U	4.6	0.0100 U	0.0100 U	0.0100 U	0.1	0.0020 U	2.800	0.170
9/3/15	0.0010 U	0.0014	0.0270	0.0010 U	0.0005 U	5.7	0.2700	0.0160	0.0370	6.2	0.0053	3.700	0.170
3/17/16	0.0020 U	0.0020 U	0.0112	0.0020 U	0.0020 U	6.3	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.680	0.055
8/31/16	0.0020 U	0.0020 U	0.0098	0.0020 U	0.0020 U	6.7	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.390	0.036
3/7/17	0.0050 U	0.0050 U	0.0231	0.0050 U	0.0050 U	9.2	0.0092	0.0050 U	0.0124	1.6	0.0050 U	4.210	0.247
4/15/19	0.0010 U	0.0010 U	0.0097	0.0010 U	0.0010 U	2.7	0.0083	0.0011	0.0032	0.2	0.0010 U	1.970	0.071
8/5/19	0.0010 U	0.0013	0.0326	0.0010 U	0.0010 U	2.3	0.0140	0.0029	0.0074 B	4.6	0.0041	2.740	0.143
3/2/20	0.0010 U	0.0010 U	0.0092	0.0010 U	0.0010 U	2.7	0.0022	0.0010 U	0.0010 U	0.0 J	0.0010 U	2.270	0.014

Gude Landfill
Monitoring Location MW-2A - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
7/27/10	0.0001 J	0.0180	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0073	0.0310
9/30/10	0.0002 U	0.0102	1.94	0.0050 U	0.0050 U	7.2	0.0050 U	--	0.0050 U	0.0114
4/19/11	0.0002 U	0.0092	2.32	0.0050 U	0.0050 U	7.1	0.0050 U	--	0.0050 U	0.0229
9/7/11	0.0002 U	--	1.80	0.0050 U	0.0050 U	6.1	0.0050 U	--	0.0050 U	0.0187
3/6/12	0.0006	--	2.12	0.0050 U	0.0050 U	10.4	0.0050 U	--	0.0050 U	0.0369
9/11/12	0.0008	--	2.14	0.0050 U	0.0050 U	8.4	0.0050 U	--	0.0050 U	0.0247
9/11/13	0.0003	0.0083	2.27	0.0050 U	0.0050 U	9.5	0.0050 U	--	0.0050 U	0.0322
3/24/14	0.0010	0.0165	2.12	0.0050 U	0.0050 U	7.5	0.0050 U	--	0.0050 U	0.0401
9/2/14	0.0007	0.0244	5.83	0.0050 U	0.0050 U	5.0	0.0050 U	--	0.0192	0.0856
3/17/15	0.0002 U	0.0110 U	1.40	0.0350 U	0.0100 U	4.2	0.0020 U	--	0.0100 U	0.0100 U
9/3/15	0.0004	0.2200	2.60	0.0050 U	0.0023	4.8	0.0010 U	--	0.0052	0.0360
3/17/16	0.0002 U	0.0021	1.21	0.0020 U	0.0001 U	5.6	0.0010 U	--	0.0020 U	0.0045
8/31/16	0.0002 U	0.0047	1.54	0.0020 U	0.0020 U	6.3	0.0010 U	--	0.0020 U	0.0071
3/7/17	0.0002 U	0.0245	1.94	0.0050 U	0.0050 U	7.0	0.0050 U	--	0.0050 U	0.0368
4/15/19	0.0001 U	0.0182	1.29	0.0010 U	0.0010 U	4.2 B	0.0010 U	--	0.0010 U	0.0060
8/5/19	0.0001	0.0093	2.22	0.0013	0.0010 U	3.5	0.0010 U	--	0.0042	0.0199 B
3/2/20	0.0001 U	0.0020	1.37	0.0010 U	0.0010 U	3.8	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-2A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-2A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/27/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	40.80	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.70 B	--	5 U	1 U	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-2A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location MW-2A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
7/27/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-2A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/27/10	3.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
4/19/11	4.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	2.50	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	2.20	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	3.30	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	2.45	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	3.84	1.00 U	1.00 U	1.00 U	5.00 U	1.51	1.00 U	5 U	1.00 U	--
9/2/14	2.02	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.85	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	2.02	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	2.79	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	2.04	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	2.22	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.62	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location MW-2B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/30/10	29.0	0.20 U	10.0 U	2.5000 U	--	--	18.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/19/11	37.0	0.20 U	10.0 U	2.5000 U	--	--	24.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/7/11	33.0	0.20 U	10.0 U	2.5000 U	--	--	35.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/6/12	40.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/11/12	36.0	0.20 U	10.0 U	2.5500	--	--	34.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	41.0	0.20 U	12.6	2.5000 U	--	1	34.0	0.2000 U	0 U	0.05 U	457	5.61	--	95	--
9/11/13	34.0	0.20 U	10.0 U	2.5000 U	--	3	30.0	0.2000 U	0 U	0.05 U	413	5.13	--	74	--
3/24/14	37.0	0.20 U	10.0 U	2.5800	--	2	56.0	0.2000 U	--	--	458	5.31	--	78	--
9/2/14	23.0	0.20 U	10.0 U	4.0600	--	5	28.0	0.2000 U	0 U	0.05 U	463	5.22	--	55	--
3/17/15	31.0	0.20 U	10.0 U	3.1800	--	4	34.0	0.2000 U	0 U	0.05 U	349	5.70	--	29	--
9/3/15	28.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0 U	0.05 U	426	5.22	--	64	--
3/17/16	42.0	0.20 U	10.0 U	2.5000 U	--	0	62.0	0.2000 U	0	0.05 U	400	5.67	--	84	--
8/31/16	38.0	0.20 U	10.0 U	2.5000 U	--	5	42.0	0.2000 U	0 U	0.05 U	412	5.13	--	67	--
3/7/17	57.0	0.20 U	10.0 U	2.6600	--	--	40.0	0.2000 U	0 U	0.05 U	419	5.19	--	72	--
9/11/17	42.0	0.20 U	10.0 U	2.5000 U	--	4	100.0	0.2000 U	0 U	0.05 U	503	5.57	--	77	--
4/4/18	34.1	0.20 U	10.0 U	2.8400	--	--	29.9	0.2000 U	0 U	0.05 U	283	5.43	--	73	--
9/4/18	31.7	0.20 U	10.0 U	3.0200	--	--	28.6	0.2000 U	0 U	0.05 U	229	5.25	--	67	--
4/15/19	1.0 U	0.10 U	3.0 U	30.2000	--	9	--	0.2000 U	--	--	243	5.22	5.50	56	227

Gude Landfill
Monitoring Location MW-2B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/5/19	17.4	0.10 U	3.0 U	4.0000	--	9	--	0.2000 U	--	--	243	5.04	5.50	0	49
3/3/20	22.0	0.10 U	3.0 U	3.4000	--	6	--	0.1100 U	--	--	306	5.26	5.64	56	56

Gude Landfill
Monitoring Location MW-2B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/27/10	--	3.0 U	--	--	--	--	--
9/30/10	4.0 U	--	--	648	--	2.4	--
4/19/11	4.0 U	--	--	56	--	1.3	--
9/7/11	4.0 U	--	--	44	--	--	--
3/6/12	4.0 U	--	--	92	--	--	--
9/11/12	4.0 U	--	--	84	--	--	--
3/21/13	4.0 U	--	14.3	4	--	--	0.6
9/11/13	4.0 U	--	17.4	72	--	--	0.0
3/24/14	4.0 U	--	14.6	66	--	--	0.9
9/2/14	4.0 U	--	16.6	1164	--	--	0.7
3/17/15	4.0 U	--	14.4	80	--	--	0.4
9/3/15	4.0 U	--	17.5	21	--	--	0.7
3/17/16	4.0 U	--	17.3	186	--	--	0.0
8/31/16	4.0 U	--	16.1	44	--	--	4.6
3/7/17	4.0 U	--	11.8	49	--	--	1.1
9/11/17	4.0 U	--	15.5	60	--	--	0.9
4/4/18	4.0 U	--	15.5	58	--	--	1.7
9/4/18	4.0 U	--	18.1	45	--	--	0.0
4/15/19	1.5	--	15.7	42	2.6 U	0.8	2.9

Gude Landfill
Monitoring Location MW-2B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/5/19	1.0 U	--	16.2	40	4.7	1.7	0.1
3/3/20	0.6 J	--	15.9	32	2.4 U	0.5 U	0.0

Gude Landfill
Monitoring Location MW-2B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.009	0.005 U	0.005 U	8.3	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	2.5	0.059	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.006	0.005 U	0.005 U	9.8	0.01 U	0.01 U	0.006	0.2 U	0.005 U	2.6	0.042	0.0002 U
9/11/12	0.005 U	0.005 U	0.007	0.005 U	0.005 U	11.5	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.0	0.029	0.0004
3/21/13	0.005 U	0.005 U	0.008	0.005 U	0.005 U	11.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	2.7	0.031	0.0002 U
9/11/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	10.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	2.4	0.024	0.0002 U
3/24/14	0.005 U	0.005 U	0.007	0.005 U	0.005 U	10.2	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	2.6	0.020	0.0002 U
9/2/14	0.005 U	0.005 U	0.020	0.005 U	0.005 U	5.5	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.1	0.062	0.0002 U
3/17/15	0.002 U	0.002 U	0.012	0.002 U	0.004 U	5.8	0.01 U	0.01 U	0.010 U	0.0	0.002 U	3.2	0.052	0.0002 U
9/3/15	0.001 U	0.001 U	0.013	0.001 U	0.001 U	4.8	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	2.7	0.030	0.0002 U
3/17/16	0.002 U	0.002 U	0.011	0.002 U	0.002 U	8.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.5	0.047	0.0002 U
8/31/16	0.002 U	0.002 U	0.008	0.002 U	0.002 U	5.7	0.00 U	0.00 U	0.003	0.2 U	0.002 U	2.3	0.035	0.0002 U
3/7/17	0.002 U	0.002 U	0.008	0.002 U	0.002 U	7.6	0.00	0.00 U	0.004	0.2 U	0.002 U	2.9	0.048	0.0002 U
9/11/17	0.002 U	0.002 U	0.007	0.002 U	0.002 U	8.0	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.9	0.027	0.0002 U
4/4/18	0.002 U	0.002 U	0.006	0.002 U	0.002 U	7.7	0.00	0.00 U	0.002 U	0.1 U	0.002 U	2.7	0.031	0.0002 U
9/4/18	0.002 U	0.002 U	0.005	0.002 U	0.002 U	7.3	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	2.5	0.022	0.0002 U

Gude Landfill

Monitoring Location MW-2B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	1.5	0.005 U	0.01 U	5.2	0.005 U	0.01 U	0.009
9/7/11	0.01 U	--	--	--	--	--	--	--
3/6/12	0.01	1.7	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.008
9/11/12	0.01	1.7	0.005 U	0.01 U	4.9	0.005 U	0.01 U	0.007
3/21/13	0.01 U	1.8	0.005 U	0.01 U	5.0	0.005 U	0.01 U	0.008
9/11/13	0.01 U	1.4	0.005 U	0.01 U	3.9	0.005 U	0.01 U	0.007
3/24/14	0.01 U	1.6	0.005 U	0.01 U	4.6	0.005 U	0.01 U	0.009
9/2/14	0.01 U	1.4	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.012
3/17/15	0.01 U	1.5	0.035 U	0.01 U	5.1	0.002 U	0.01 U	0.010 U
9/3/15	0.01 U	1.4	0.005 U	0.00 U	4.3	0.001 U	0.01 U	0.003 J
3/17/16	0.00 U	1.6	0.002 U	0.00 U	5.3	0.001 U	0.00 U	0.004
8/31/16	0.00	1.3	0.002 U	0.00 U	3.6	0.001 U	0.00 U	0.005
3/7/17	0.00	1.5	0.002 U	0.00 U	4.6	0.001 U	0.00 U	0.014
9/11/17	0.00	1.4	0.002 U	0.00 U	4.4	0.001 U	0.00 U	0.010
4/4/18	0.00	1.5	0.002 U	0.00 U	4.4	0.001 U	0.00 U	0.012
9/4/18	0.00	1.4	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.004

Gude Landfill
Monitoring Location MW-2B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
7/27/10	0.0010 U	0.0008 J	0.0088	0.0010 U	0.0010 U	--	0.0012	0.0022	0.0015	--	0.0005 J	--	--
9/30/10	0.0050 U	0.0050 U	0.0113	0.0050 U	0.0050 U	4.9	0.0050 U	0.0050 U	0.0054	0.5 U	0.0050 U	1.940	0.087
4/19/11	0.0050 U	0.0050 U	0.0095	0.0050 U	0.0050 U	8.7	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	2.840	0.063
9/7/11	0.0050 U	0.0050 U	0.0123	0.0050 U	0.0050 U	7.2	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	2.850	0.044
3/6/12	0.0050 U	0.0050 U	0.0064	0.0050 U	0.0050 U	9.9	0.0050 U	0.0050 U	0.0061	0.2 U	0.0050 U	2.440	0.039
9/11/12	0.0050 U	0.0050 U	0.0080	0.0050 U	0.0050 U	11.7	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	3.040	0.030
3/21/13	0.0050 U	0.0050 U	0.0071	0.0050 U	0.0050 U	10.7	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	2.580	0.034
9/11/13	0.0050 U	0.0050 U	0.0070	0.0050 U	0.0050 U	10.1	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	2.560	0.023
3/24/14	0.0050 U	0.0050 U	0.0071	0.0050 U	0.0050 U	11.0	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	2.740	0.021
9/2/14	0.0050 U	0.0050 U	0.0192	0.0050 U	0.0050 U	5.5	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	3.140	0.063
3/17/15	0.0020 U	0.0020 U	0.0120	0.0020 U	0.0040 U	5.7	0.0100 U	0.0100 U	0.0100 U	0.0	0.0020 U	3.000	0.052
9/3/15	0.0010 U	0.0010 U	0.0130	0.0010 U	0.0005 U	4.9	0.0050 U	0.0050 U	0.0050 U	0.1	0.0010 U	2.700	0.028
3/17/16	0.0020 U	0.0020 U	0.0112	0.0020 U	0.0020 U	6.8	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.380	0.042
8/31/16	0.0020 U	0.0020 U	0.0081	0.0020 U	0.0020 U	6.0	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.470	0.039
3/7/17	0.0020 U	0.0020 U	0.0086	0.0020 U	0.0020 U	8.4	0.0020 U	0.0020 U	0.0023	0.2 U	0.0020 U	2.900	0.061
9/11/17	0.0020 U	0.0020 U	0.0076	0.0020 U	0.0020 U	8.2	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.980	0.028
4/4/18	0.0020 U	0.0020 U	0.0064	0.0020 U	0.0020 U	7.6	0.0024	0.0020 U	0.0020 U	0.1 U	0.0020 U	2.650	0.035
9/4/18	0.0020 U	0.0020 U	0.0054	0.0020 U	0.0020 U	7.4	0.0020 U	0.0020 U	0.0020 U	0.1 U	0.0020 U	2.470	0.026
4/15/19	0.0010 U	0.0010 U	0.0087	0.0010 U	0.0010 U	2.3	0.0036	0.0010 U	0.0016	0.1 U	0.0010 U	1.910	0.023
8/5/19	0.0010 U	0.0010 U	0.0078	0.0010 U	0.0010 U	2.4	0.0069	0.0010 U	0.0010 U	0.1 U	0.0010 U	1.840	0.036
3/3/20	0.0010 U	0.0010 U	0.0104	0.0010 U	0.0010 U	3.3	0.0017	0.0010 U	0.0010 U	0.1 J	0.0010 U	2.360	0.018

Gude Landfill
Monitoring Location MW-2B - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
7/27/10	0.0002 U	0.0038	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/30/10	0.0002 U	0.0050 U	1.36	0.0050 U	0.0050 U	7.0	0.0050 U	--	0.0050 U	0.0061
4/19/11	0.0002 U	0.0050 U	1.58	0.0050 U	0.0050 U	5.2	0.0050 U	--	0.0050 U	0.0080
9/7/11	0.0002 U	--	1.39	0.0050 U	0.0050 U	4.9	0.0050 U	--	0.0050 U	0.0079
3/6/12	0.0002 U	0.0070	1.66	0.0050 U	0.0050 U	8.6	0.0050 U	--	0.0050 U	0.0075
9/11/12	0.0006	0.0050 U	1.74	0.0050 U	0.0050 U	4.9	0.0050 U	--	0.0050 U	0.0069
3/21/13	0.0002 U	0.0050 U	1.83	0.0050 U	0.0050 U	4.7	0.0050 U	--	0.0050 U	0.0072
9/11/13	0.0002 U	0.0050 U	1.47	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0050 U	0.0098
3/24/14	0.0002 U	0.0050 U	1.59	0.0050 U	0.0050 U	4.6	0.0050 U	--	0.0050 U	0.0072
9/2/14	0.0002 U	0.0050 U	1.47	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.0050 U	0.0113
3/17/15	0.0002 U	0.0110 U	1.40	0.0350 U	0.0100 U	4.8	0.0020 U	--	0.0100 U	0.0100 U
9/3/15	0.0002 U	0.0100 U	1.50	0.0050 U	0.0010 U	4.3	0.0010 U	--	0.0050 U	0.0050 U
3/17/16	0.0002 U	0.0020 U	1.52	0.0020 U	0.0001 U	6.5	0.0010 U	--	0.0020 U	0.0037
8/31/16	0.0002 U	0.0020 U	1.32	0.0020 U	0.0020 U	3.8	0.0010 U	--	0.0020 U	0.0038
3/7/17	0.0002 U	0.0049	1.50	0.0020 U	0.0020 U	4.6	0.0010 U	--	0.0020 U	0.0143
9/11/17	0.0002 U	0.0028	1.43	0.0020 U	0.0020 U	4.5	0.0010 U	--	0.0020 U	0.0105
4/4/18	0.0002 U	0.0034	1.43	0.0020 U	0.0020 U	4.2	0.0010 U	--	0.0020 U	0.0118
9/4/18	0.0002 U	0.0022	1.44	0.0020 U	0.0020 U	4.2	0.0010 U	--	0.0020 U	0.0040
4/15/19	0.0001 U	0.0039	1.15	0.0010 U	0.0010 U	3.4 B	0.0010 U	--	0.0010 U	0.0040 U
8/5/19	0.0001 U	0.0050	1.15	0.0010 U	0.0010 U	3.4	0.0010 U	--	0.0010 U	0.0063 B
3/3/20	0.0001 U	0.0015	1.37	0.0010 U	0.0010 U	4.1	0.0010 U	--	0.0010 U	0.0064

Gude Landfill

Printed 5/20/20

Monitoring Location MW-2B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Monitoring Location MW-2B - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/27/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.70 B	--	5 U	1 U	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-2B - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-2B - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/27/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location MW-2B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/27/10	3.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
4/19/11	1.90	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	3.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	3.20	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	3.27	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	2.57	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	3.93	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	2.32	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	2.18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	2.28	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	2.51	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.28	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.77	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	2.35	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	2.10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.71	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location MW-3A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	40.0	0.20 U	10.0 U	2.5000 U	--	--	130.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/20/11	24.0	0.20 U	10.0 U	2.9400	--	--	14.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/15/11	21.0	0.20 U	10.0 U	2.8900	--	--	22.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	24.0	0.20 U	6.3	5.2800	--	--	50.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	21.0	0.20 U	10.0 U	2.7600	--	--	44.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	17.2	0.20 U	10.0 U	2.6000	--	8	34.0	0.2000 U	0 U	0.05 U	425	5.99	--	44	--
9/16/13	16.0	0.20 U	10.0 U	2.5000 U	--	9	16.0	0.2000 U	0 U	0.05 U	378	5.49	--	37	--
3/11/14	17.0	0.20 U	10.0 U	2.9100	--	9	78.0	0.2000 U	--	--	404	5.40	--	30	--
9/3/14	13.5	0.20 U	10.0 U	3.1000	--	9	38.0	0.2000 U	0 U	0.05 U	398	6.13	--	33	--
3/23/15	17.0	0.20 U	10.0 U	2.5000 U	--	9	30.0	0.2000 U	0 U	0.05 U	397	5.98	--	33	--
9/2/15	18.0	0.20 U	10.0 U	2.5000 U	--	6	20.0	0.2000 U	0 U	0.05 U	374	5.51	--	36	--
3/22/16	15.2	0.20 U	10.0 U	2.5000 U	--	0	16.0	0.2000 U	0 U	0.05 U	388	6.02	--	35	--
9/1/16	26.0	0.20 U	10.0 U	2.5800	--	9	20.0	0.2000 U	0 U	0.05 U	400	5.68	--	32	--
3/9/17	13.6	0.20 U	10.0 U	2.5000 U	--	--	34.0	0.2000 U	0 U	0.05 U	429	5.70	--	29	--
9/13/17	13.8	0.20 U	10.0 U	2.5000 U	--	9	40.0	0.2000 U	0 U	0.05 U	411	5.66	--	34	--
4/2/18	15.5	0.20 U	10.0 U	2.5000 U	--	--	10.8	0.2000 U	0 U	0.05 U	214	5.95	--	33	--
9/5/18	15.6	0.20 U	10.0 U	2.5200	--	--	11.8	0.2000 U	0 U	0.05 U	259	5.68	--	31	--
4/11/19	34.3	0.10 U	3.0 U	3.2000	--	9	--	0.2000 U	--	--	176	5.96	6.27	72	78

Gude Landfill
Monitoring Location MW-3A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
7/31/19	36.0	0.10 U	9.7	3.0000	--	9	--	0.2000 U	--	--	203	5.40	6.31	38	77
3/4/20	28.9	0.10 U	3.0 U	2.7000	--	8	--	0.2000 U	--	--	260	5.93	6.29	57	65

Gude Landfill
Monitoring Location MW-3A - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/29/10	--	3.0 U	--	--	--	--	--
9/20/10	4.0 U	--	--	100	--	1535.0	--
4/20/11	4.0 U	--	--	60	--	151.5	--
9/15/11	4.0 U	--	--	144	--	--	--
3/12/12	4.0 U	--	--	112	--	--	--
9/10/12	4.0 U	--	--	60	--	--	--
3/21/13	4.0 U	--	12.1	16	--	--	982.0
9/16/13	4.0 U	--	14.4	126	--	--	982.0
3/11/14	4.0 U	--	13.1	10	--	--	--
9/3/14	4.0 U	--	13.7	74	--	--	1.8
3/23/15	4.0 U	--	10.4	74	--	--	38.0
9/2/15	4.0 U	--	20.2	1 U	--	--	11.1
3/22/16	4.0 U	--	14.1	10 U	--	--	0.0
9/1/16	4.0 U	--	18.2	43	--	--	11.7
3/9/17	4.0 U	--	19.1	10 U	--	--	4.9
9/13/17	4.0 U	--	15.2	53	--	--	10.7
4/2/18	4.0 U	--	11.9	32	--	--	7.8
9/5/18	4.0 U	--	16.3	26	--	--	8.3
4/11/19	2.0	--	13.6	44	18.7	10.3	9.4

Gude Landfill
Monitoring Location MW-3A - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
7/31/19	1.1	--	14.8	61	20.2	14.0	9.8
3/4/20	1.2	--	14.9	55	18.8	4.1	6.2

Gude Landfill
Monitoring Location MW-3A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.3	0.01 U	0.01 U	0.005	0.5 U	0.005 U	1.7	0.008	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.008	0.005 U	0.005 U	4.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.8	--	0.0002 U
9/10/12	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.9	0.005 U	0.0002 U
3/21/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.9	0.005 U	0.0002 U
9/16/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.7	0.005 U	0.0002 U
3/11/14	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.8	0.005 U	0.0002 U
9/3/14	0.005 U	0.005 U	0.007	0.005 U	0.005 U	3.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.6	0.005 U	0.0002 U
3/23/15	0.002 U	0.002 U	0.010 U	0.002 U	0.004 U	2.8	0.01 U	0.01 U	0.011	0.1	0.002 U	1.3	0.005 U	0.0002 U
9/2/15	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	2.5	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	1.2	0.079	0.0002 U
3/22/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	3.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	1.6	0.002 U	0.0002 U
9/1/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.6	0.00	0.00 U	0.002 U	0.2 U	0.002 U	1.2	0.002 U	0.0002 U
3/9/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	1.1	0.002	0.0002 U
9/13/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	1.2	0.002 U	0.0002 U
4/2/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.8	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	1.2	0.002 U	0.0002 U
9/5/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.5	0.00	0.00 U	0.002 U	0.1 U	0.002 U	1.2	0.004	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-3A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01 U	0.9	0.005 U	0.01 U	4.1	0.005 U	0.01 U	0.007
9/15/11	0.01	--	--	--	--	--	--	--
3/12/12	0.08	0.9	0.005 U	0.01 U	3.8	0.005 U	0.01 U	0.007
9/10/12	0.05	1.0	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.005 U
3/21/13	0.02	1.1	0.005 U	0.01 U	3.7	0.005 U	0.01 U	0.005 U
9/16/13	0.01	1.0	0.005 U	0.01 U	3.9	0.005 U	0.01 U	0.005 U
3/11/14	0.01 U	1.0	0.005 U	0.01 U	4.0	0.005 U	0.01 U	0.005 U
9/3/14	0.01 U	0.9	--	0.01 U	3.4	0.005 U	0.01 U	0.007
3/23/15	0.01 U	0.9	0.035 U	0.01 U	3.3	0.002 U	0.01 U	0.008 J
9/2/15	0.01 U	0.9	0.005 U	0.00 U	3.2	0.001 U	0.01 U	0.005 U
3/22/16	0.00 U	1.1	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.002 U
9/1/16	0.00 U	0.8	0.002 U	0.00 U	3.2	0.001 U	0.00 U	0.002 U
3/9/17	0.00 U	0.8	0.002 U	0.00 U	3.1	0.001 U	0.00 U	0.002 U
9/13/17	0.00 U	0.7	0.002 U	0.00 U	3.1	0.001 U	0.00 U	0.002 U
4/2/18	0.00 U	0.8	0.002 U	0.00 U	3.5	0.001 U	0.00 U	0.002 U
9/5/18	0.00 U	0.8	0.002 U	0.00 U	3.3	0.001 U	0.00 U	0.002 U

Gude Landfill
Monitoring Location MW-3A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/29/10	0.0010 U	0.0026	0.0610	0.0006 J	0.0010 U	--	0.0470	0.0160	0.0480	--	0.0130	--
9/20/10	0.0050 U	0.0050 U	0.1440	0.0050 U	0.0050 U	6.9	0.0530	0.0410	0.1180	61.7	0.0259	20.900
4/20/11	0.0050 U	0.0050 U	0.0519	0.0050 U	0.0050 U	6.1	0.0067	0.0108	0.0180	6.0	0.0089	3.680
9/15/11	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	11.1	0.0075	0.0188	0.0273	6.7	0.0230	7.040
3/12/12	0.0050 U	0.0050 U	0.2230	0.0050 U	0.0050 U	17.2	0.0815	0.0397	0.1220	86.1	0.0435	28.100
9/10/12	0.0050 U	0.0050 U	0.1130	0.0250 U	0.0050 U	10.1	0.0500	0.0267	0.0773	44.4	0.0200	15.600
3/21/13	0.0050 U	0.0050 U	0.0487	0.0050 U	0.0050 U	7.1	0.0277	0.0094	0.0332	17.0	0.0088	6.680
9/16/13	0.0050 U	0.0050 U	0.0332	0.0050 U	0.0050 U	5.4	0.0133	0.0051	0.0196	11.7	0.0050 U	5.370
3/11/14	0.0050 U	0.0050 U	0.0367	0.0050 U	0.0050 U	4.5	0.0121	0.0056	0.0288	10.1	0.0052	5.740
9/3/14	0.0050 U	0.0050 U	0.0580	0.0050 U	0.0050 U	5.5	0.0206	0.0108	0.0280	15.8	0.0096	6.120
3/23/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	3.1	0.0100 U	0.0100 U	0.0028 J	2.2	0.0020 U	1.800
9/2/15	0.0010 U	0.0010 U	0.0100	0.0010 U	0.0005 U	3.0	0.0050 U	0.0050 U	0.0050 U	2.3	0.0010 J	1.900
3/22/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	2.5	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	1.100
9/1/16	0.0020 U	0.0020 U	0.0037	0.0020 U	0.0020 U	2.5	0.0021	0.0020 U	0.0020 U	0.3	0.0020 U	1.290
3/9/17	0.0050 U	0.0050 U	0.0094	0.0050 U	0.0050 U	4.2	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	1.830
9/13/17	0.0050 U	0.0050 U	0.0075	0.0050 U	0.0050 U	3.8	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	1.740
4/2/18	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	2.5	0.0020 U	0.0020 U	0.0020 U	0.1	0.0020 U	1.130
9/5/18	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	2.5	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	1.320
4/11/19	0.0010 U	0.0010 U	0.0042	0.0010 U	0.0010 U	5.5 B	0.0029	0.0010 U	0.0010 U	0.3	0.0010 U	1.610
7/31/19	0.0010 U	0.0015	0.0152	0.0010 U	0.0010 U	3.1	0.0533	0.0044	0.0139	7.5	0.0017	2.510
3/4/20	0.0010 U	0.0010 U	0.0040	0.0010 U	0.0010 U	6.6	0.0020	0.0010 U	0.0010 U	0.2	0.0010 U	1.610

Gude Landfill
Monitoring Location MW-3A - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/29/10	--	0.0002 U	0.0390	--	0.0010 U	0.0010 U	--	0.0005 J	0.0050 U	0.0350	0.0900
9/20/10	1.080	0.0002 U	0.0816	13.00	0.0050 U	0.0050 U	7.7	0.0050 U	--	0.0529	0.2270
4/20/11	0.343	0.0002 U	0.0067	1.98	0.0050 U	0.0050 U	4.1	0.0050 U	--	0.0100	0.0275
9/15/11	0.629	0.0002 U	--	2.86	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0124	0.0459
3/12/12	1.170	0.0002 U	0.0050 U	15.00	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.1000	0.2350
9/10/12	0.715	0.0002 U	0.0050 U	9.80	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0580	0.1590
3/21/13	0.240	0.0002 U	0.0050 U	3.99	0.0050 U	0.0050 U	4.1	0.0050 U	--	0.0220	0.0600
9/16/13	0.141	0.0002 U	0.0050 U	3.03	0.0050 U	0.0050 U	3.8	0.0050 U	--	0.0134	0.0372
3/11/14	0.172	0.0002 U	0.0126	2.77	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0132	0.0410
9/3/14	0.416	0.0002 U	0.0202	3.56	0.0050 U	0.0050 U	3.3	0.0050 U	--	0.0212	0.0639
3/23/15	0.059	0.0002 U	0.0110 U	1.30	0.0350 U	0.0100 U	3.3	0.0020 U	--	0.0100 U	0.0078 J
9/2/15	0.010 U	0.0002 U	0.0100 U	1.40	0.0050 U	0.0010 U	3.4	0.0010 U	--	0.0050 U	0.0084
3/22/16	0.002 U	0.0002 U	0.0020 U	0.77	0.0020 U	0.0020 U	2.9	0.0010 U	--	0.0020 U	0.0020 U
9/1/16	0.018	0.0002 U	0.0020 U	0.88	0.0020 U	0.0020 U	3.1	0.0010 U	--	0.0020 U	0.0029
3/9/17	0.021	0.0002 U	0.0050 U	1.00	0.0050 U	0.0050 U	3.8	0.0050 U	--	0.0050 U	0.0050 U
9/13/17	0.007	0.0002 U	0.0050 U	0.83	0.0050 U	0.0050 U	3.5	0.0050 U	--	0.0050 U	0.0153
4/2/18	0.002	0.0002 U	0.0020 U	0.85	0.0020 U	0.0020 U	3.3	0.0010 U	--	0.0020 U	0.0020 U
9/5/18	0.014	0.0002 U	0.0050 U	0.97	0.0050 U	0.0050 U	3.4	0.0050 U	--	0.0050 U	0.0153
4/11/19	0.009	0.0001 U	0.0019	1.04	0.0010 U	0.0010 U	3.7	0.0010 U	--	0.0010 U	0.0040 U
7/31/19	0.281	0.0001 U	0.0351	1.67	0.0010 U	0.0010 U	3.5	0.0010 U	--	0.0062	0.0173 B
3/4/20	0.013	0.0001 U	0.0013	1.06	0.0010 U	0.0010 U	3.3	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-3A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 5/20/20

3/4/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U	1,1,1-Trichloroethane (ug/L)	1.00 U	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U	1,1,2-Trichloroethane (ug/L)	1.00 U	1,1-Dichloroethane (ug/L)	1.00 U	1,1-Dichloroethene (ug/L)	1.00 U	1,1-Dichloropropene (ug/L)	1.00 U	1,2,3-Trichlorobenzene (ug/L)	--	1,2,3-Trichloropropane (ug/L)	1.00 U	1,2,4-Trimethylbenzene (ug/L)	--	1,2-Dibromo-3-chloropropane (ug/L)	1.00 U	1,2-Dibromoethane (ug/L)	1.00 U	1,2-Dichlorobenzene (ug/L)	1.0 U	1,2-Dichloroethane (ug/L)	1.00 U	1,2-Dichloropropane (ug/L)	1.00 U
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Gude Landfill

Monitoring Location MW-3A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/29/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.30 B	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/4/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	1.46 J	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.50	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.60	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.80	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.15	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.64	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	2.50	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	2.19	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.44	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.28	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.14	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.01	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.12	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.30	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.00	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 5/20/20

3/4/20	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.00	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-3A - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/31/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/4/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 5/20/20

Monitoring Location MW-3A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill Monitoring Location MW-3A - Volatile Organic Compounds

Compound (ug/L)	3/4/20
Tetrachloroethene (ug/L)	1.00 U
Toluene (ug/L)	1.00 U
trans-1,2-Dichloroethene (ug/L)	1.00 U
trans-1,3-Dichloropropene (ug/L)	1.00 U
trans-1,4-Dichloro-2-butene (ug/L)	1.00 U
Trichloroethene (ug/L)	1.00 U
Trichlorofluoromethane (ug/L)	1.00 U
Vinyl Acetate (ug/L)	1 U
Vinyl Chloride (ug/L)	1.00 U
Xylene (ug/L)	-

Gude Landfill
Monitoring Location MW-3B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	160.0	0.20 U	10.0 U	2.5000 U	--	--	100.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/20/11	110.0	0.20 U	22.4	4.5900	--	--	66.0	0.2000 U	0	0.07	--	--	--	--	--
9/15/11	80.0	0.20 U	7.6	2.5700	--	--	45.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	111.0	0.20 U	6.7	3.4900	--	--	114.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	137.0	0.20 U	10.0 U	3.4600	--	--	188.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	118.0	0.20 U	10.0 U	2.7600	--	8	132.0	0.2000 U	0 U	0.05 U	433	8.03	--	161	--
9/16/13	123.0	0.20 U	10.0 U	3.0500	--	8	162.0	0.2000 U	0 U	0.05 U	311	7.59	--	222	--
3/11/14	112.0	0.20 U	10.0 U	2.6300	--	9	130.0	0.2000 U	--	--	269	7.11	--	214	--
9/3/14	105.0	0.20 U	10.0 U	2.5000 U	--	8	118.0	0.2000 U	0 U	0.05 U	311	7.32	--	147	--
3/23/15	94.0	0.20 U	10.0 U	2.5000 U	--	7	100.0	0.2000 U	0 U	0.05 U	390	7.49	--	185	--
9/2/15	81.0	0.20 U	10.0 U	2.5800	--	9	66.0	0.2000 U	0 U	0.05 U	286	7.00	--	184	--
3/22/16	86.0	0.20 U	10.0 U	2.5300	--	0	78.0	0.2000 U	0 U	0.05 U	333	7.42	--	192	--
9/1/16	234.0	0.20 U	10.0 U	479.0000	--	5	590.0	0.2000 U	0 U	0.05 U	360	6.81	--	153	--
3/9/17	91.0	0.20 U	10.0 U	2.5000 J	--	5	70.0	0.2000 U	0 U	0.05 U	410	6.97	--	198	--
9/13/17	65.0	0.20 U	10.0 U	2.7600	--	4	72.0	0.2000 U	0 U	0.05 U	310	6.94	--	158	--
4/2/18	78.0	0.20 U	10.0 U	2.9500	--	--	67.3	0.2000 U	0 U	0.05 U	178	7.36	--	152	--
9/5/18	75.7	0.20 U	10.0 U	2.5100	--	--	59.3	0.2000 U	0 U	0.05 U	239	6.84	--	177	--
4/11/19	60.5	0.10 U	6.0	3.1000	--	4	--	0.2000 J	--	--	85	6.87	6.93	198	145

Gude Landfill
Monitoring Location MW-3B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
7/31/19	42.2	0.10 U	11.5	3.6000	--	6	--	0.2000 U	--	--	106	6.43	2.14	86	91
3/4/20	21.0	0.10 U	3.0 U	2.7000	--	8	--	0.2000 U	--	--	262	5.78	6.25	45	48

Gude Landfill
Monitoring Location MW-3B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/29/10	--	3.0 U	--	--	--	--	--
9/20/10	13.5	--	--	332	--	42.0	--
4/20/11	165.0 J	--	--	472	--	2130.0	--
9/15/11	36.9	--	--	188	--	--	--
3/12/12	65.7	--	--	268	--	--	--
9/10/12	94.4	--	--	292	--	--	--
3/21/13	52.6	--	13.5	158	--	--	11.3
9/16/13	43.2	--	14.3	242	--	--	22.7
3/11/14	29.4	--	14.3	228	--	--	27.8
9/3/14	23.6	--	15.6	256	--	--	30.1
3/23/15	11.6	--	7.8	142	--	--	4.4
9/2/15	5.7	--	22.0	63	--	--	3.4
3/22/16	10.8	--	13.0	107	--	--	5.2
9/1/16	65.5	--	15.3	1240	--	--	0.0
3/9/17	16.4	--	14.6	40	--	--	4.0
9/13/17	7.3	--	15.0	104	--	--	2.0
4/2/18	11.7	--	9.2	125	--	--	11.5
9/5/18	11.5	--	13.6	118	--	--	1.4
4/11/19	47.5	--	12.7	100	37.9	8.6	12.8

Gude Landfill
Monitoring Location MW-3B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
7/31/19	2.9	--	20.0	73	9.2	9.3	16.5
3/4/20	1.0 U	--	14.4	48	6.8	3.3	0.7

Gude Landfill
Monitoring Location MW-3B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.013	0.005 U	0.005 U	18.6	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	3.5	0.029	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/10/12	0.005 U	0.005 U	0.022	0.005 U	0.005 U	34.2	0.01 U	0.01 U	0.005 U	0.2	0.005 U	7.4	0.233	0.0002 U
3/21/13	0.005 U	0.005 U	0.015	0.005 U	0.005 U	26.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.0	0.013	0.0002 U
9/16/13	0.005 U	0.005 U	0.014	0.005 U	0.005 U	31.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.4	0.026	0.0002 U
3/11/14	0.005 U	0.005 U	0.016	0.005 U	0.005 U	28.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.5	0.012	0.0002 U
9/3/14	0.005 U	0.005 U	0.014	0.005 U	0.005 U	24.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.7	0.018	0.0002 U
3/23/15	0.002 U	0.002 U	0.010	0.002 U	0.004 U	26.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	3.6	0.005 U	0.0002 U
9/2/15	0.001 U	0.001 U	0.030	0.001 U	0.001 U	23.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	2.8	0.015	0.0002 U
3/22/16	0.002 U	0.002 U	0.015	0.002 U	0.002 U	22.9	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.4	0.002 U	0.0002 U
9/1/16	0.002 U	0.002 U	0.019	0.002 U	0.002 U	19.0	0.00	0.00 U	0.002 U	0.2 U	0.002 U	2.8	0.002	0.0002 U
3/9/17	0.002 U	0.002 U	0.009	0.002 U	0.002 U	19.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.9	0.005	0.0002 U
9/13/17	0.002 U	0.002 U	0.016	0.002 U	0.002 U	15.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.5	0.002 U	0.0002 U
4/2/18	0.002 U	0.002 U	0.007	0.002 U	0.002 U	20.0	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	2.9	0.005	0.0002 U
9/5/18	0.002 U	0.002 U	0.009	0.002 U	0.002 U	16.3	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	2.6	0.002 U	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-3B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01 U	6.4	0.005 U	0.01 U	103.0	0.005 U	0.01	0.005 U
9/15/11	0.01	--	--	--	--	--	--	--
3/12/12	0.04	--	--	--	--	--	--	--
9/10/12	0.28	5.1	0.005 U	0.01 U	53.8	0.005 U	0.01 U	0.005 U
3/21/13	0.04	2.6	0.005 U	0.01 U	34.6	0.005 U	0.01 U	0.005 U
9/16/13	0.11	2.6	0.005 U	0.01 U	30.9	0.005 U	0.01 U	0.005 U
3/11/14	0.01 U	2.2	0.005 U	0.01 U	18.5	0.005 U	0.01 U	0.006
9/3/14	0.01 U	2.0	0.005 U	0.01 U	17.6	0.005 U	0.01 U	0.008
3/23/15	0.01 U	1.3	0.035 U	0.01 U	10.0	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	1.3	0.005 U	0.00 U	9.0	0.001 U	0.01 U	0.005 U
3/22/16	0.00 U	1.4	0.002 U	0.00 U	10.4	0.001 U	0.00 U	0.002 U
9/1/16	0.00 U	1.2	0.002 U	0.00 U	9.3	0.001 U	0.00 U	0.002
3/9/17	0.00 U	1.2	0.002 U	0.00 U	17.4	0.001 U	0.00 U	0.003
9/13/17	0.00 U	1.0	0.002 U	0.00 U	8.4	0.001 U	0.00 U	0.003
4/2/18	0.00 U	1.3	0.002 U	0.00 U	14.6	0.001 U	0.00 U	0.006
9/5/18	0.00 U	1.2	0.002 U	0.00 U	11.3	0.001 U	0.00 U	0.003

Gude Landfill
Monitoring Location MW-3B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/29/10	0.0006 J	0.0091	0.2100	0.0020	0.0010 U	--	0.0740	0.0270	0.0860	--	0.0490	--
9/20/10	0.0050 U	0.0050 U	0.0943	0.0050 U	0.0050 U	10.7	0.0246	0.0050 U	0.0125	1.3	0.0050 U	0.715
4/20/11	0.0050 U	0.0050 U	0.2370	0.0050 U	0.0050 U	63.0	0.0180	0.0270	0.0533	9.6	0.0410	10.600
9/15/11	0.0050 U	0.0050 U	0.1750	0.0100 U	0.0050 U	57.4	0.0129	0.0064	0.0184	3.9	0.0110	5.360
3/12/12	0.0050 U	0.0050 U	0.0994	0.0050 U	0.0050 U	42.3	0.0409	0.0120	0.0403	19.4	0.0138	11.700
9/10/12	0.0050 U	0.0050 U	0.1300	0.0050 U	0.0050 U	61.8	0.1840	0.0243	0.1050	19.2	0.0163	11.300
3/21/13	0.0050 U	0.0050 U	0.0643	0.0050 U	0.0050 U	44.4	0.0478	0.0093	0.0308	8.9	0.0087	7.410
9/16/13	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	54.5	0.1240	0.0157	0.0540	24.9	0.0171	12.000
3/11/14	0.0050 U	0.0050 U	0.0491	0.0050 U	0.0050 U	34.3	0.0530	0.0058	0.0258	5.7	0.0077	6.810
9/3/14	0.0050 U	0.0050 U	0.0808	0.0050 U	0.0050 U	33.3	0.0655	0.0113	0.0467	11.4	0.0134	7.090
3/23/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	26.0	0.0100 U	0.0100 U	0.0100 U	0.2	0.0020 U	3.600
9/2/15	0.0010 U	0.0010 U	0.0300	0.0010 U	0.0005 U	23.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0010 U	2.800
3/22/16	0.0020 U	0.0020 U	0.0135	0.0020 U	0.0020 U	24.5	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	3.950
9/1/16	0.0020 U	0.0026	0.3040	0.0020 U	0.0020 U	106.0	0.0061	0.7460	0.0092	3.9	0.0020 U	77.400
3/9/17	0.0050 U	0.0050 U	0.0146	0.0050 U	0.0050 U	22.8	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	3.730
9/13/17	0.0050 U	0.0050 U	0.0209	0.0050 U	0.0050 U	19.4	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	3.340
4/2/18	0.0050 U	0.0050 U	0.0193	0.0050 U	0.0050 U	21.3	0.0050 U	0.0050 U	0.0050	1.3	0.0050 U	3.440
9/5/18	0.0020 U	0.0020 U	0.0079	0.0020 U	0.0020 U	18.8	0.0041	0.0020 U	0.0020 U	0.5	0.0020 U	2.960
4/11/19	0.0010 U	0.0010 U	0.0105	0.0010 U	0.0010 U	12.1 B	0.0053	0.0010 U	0.0014	0.6	0.0010 U	2.770
7/31/19	0.0010 U	0.0010 U	0.0117	0.0010 U	0.0010 U	7.9	0.0185	0.0012	0.0221	0.6	0.0010 U	2.160
3/4/20	0.0010 U	0.0010 U	0.0046	0.0010 U	0.0010 U	3.5	0.0020	0.0010 U	0.0014	0.2	0.0010 U	1.620

Gude Landfill
Monitoring Location MW-3B - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/29/10	--	0.0002 U	0.0640	--	0.0016	0.0010 U	--	0.0008 J	0.0056	0.0560	0.1900
9/20/10	0.040	0.0002 U	0.0266	26.00	0.0050 U	0.0050 U	56.7	0.0050 U	--	0.0047 J	0.0123
4/20/11	1.260	0.0002 U	0.0310	9.54	0.0050 U	0.0050 U	107.0 J	0.0050 U	--	0.0279	0.1080
9/15/11	0.276	0.0002 U	--	9.11	0.0050 U	0.0050 U	41.0	0.0050 U	--	0.0098	0.0359
3/12/12	0.371	0.0002 U	--	7.83	0.0050 U	0.0050 U	48.6	0.0050 U	--	0.0220	0.0724
9/10/12	0.584	0.0002 U	0.0050 U	7.26	0.0050 U	0.0050 U	51.1	0.0050 U	--	0.0216	0.0988
3/21/13	0.330	0.0002 U	0.0050 U	4.18	0.0050 U	0.0050 U	36.0	0.0050 U	--	0.0112	0.0429
9/16/13	0.465	0.0003	0.0061	6.49	0.0050 U	0.0050 U	30.1	0.0050 U	--	0.0233	0.0801
3/11/14	0.221	0.0002 U	0.0605	3.19	0.0050 U	0.0050 U	19.4	0.0050 U	--	0.0068	0.0300
9/3/14	0.385	0.0002 U	0.0648	3.55	0.0050 U	0.0050 U	17.0	0.0050 U	--	0.0136	0.0612
3/23/15	0.011	0.0002 U	0.0110 U	1.50	0.0350 U	0.0100 U	12.0	0.0020 U	--	0.0100 U	0.0100 U
9/2/15	0.010 U	0.0002 U	0.0100 U	1.30	0.0050 U	0.0010 U	9.1	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	0.012	0.0002 U	0.0020 U	1.67	0.0020 U	0.0020 U	11.4	0.0010 U	--	0.0020 U	0.0020 U
9/1/16	60.100	0.0002 U	0.0820	4.25	0.0025	0.0020 U	114.0	0.0010 U	--	0.0023	0.0415
3/9/17	0.014	0.0002 U	0.0050 U	1.42	0.0050 U	0.0050 U	22.4	0.0050 U	--	0.0050 U	0.0055
9/13/17	0.021	0.0002 U	0.0050 U	1.21	0.0050 U	0.0050 U	11.2	0.0050 U	--	0.0050 U	0.0301
4/2/18	0.072	0.0002 U	0.0052	1.67	0.0050 U	0.0050 U	14.8	0.0050 U	--	0.0050 U	0.0336
9/5/18	0.014	0.0002 U	0.0020 U	1.27	0.0020 U	0.0020 U	15.1	0.0010 U	--	0.0020 U	0.0047
4/11/19	0.032	0.0001 U	0.0036	1.26	0.0010 U	0.0010 U	13.5	0.0010 U	--	0.0012	0.0104
7/31/19	0.022	0.0001 U	0.0114	1.19	0.0010 U	0.0010 U	6.4	0.0010 U	--	0.0010 U	0.0154 B
3/4/20	0.010	0.0001 U	0.0012	0.93	0.0010 U	0.0010 U	3.2	0.0010 U	--	0.0010 U	0.0113

Gude Landfill

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Monitoring Location MW-3B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-3B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Monitoring Location MW-3B - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/29/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.32	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	6.17	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.20 B	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/4/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.90 J	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	1.11 J	2.00 U	2.00 U	0.83 J	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.08	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.02	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.10	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

Printed 5/20/20

3/4/20	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.00	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-3B - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/31/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/4/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-3B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/11/14	1.44	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

3/4/20	Tetrachloroethene (ug/L)	1.00 U	Toluene (ug/L)	1.00 U	trans-1,2-Dichloroethene (ug/L)	1.00 U	trans-1,3-Dichloropropene (ug/L)	1.00 U	trans-1,4-Dichloro-2-butene (ug/L)	1.00 U	Trichloroethene (ug/L)	1.00 U	Trichlorofluoromethane (ug/L)	1.00 U	Vinyl Acetate (ug/L)	1 U	Vinyl Chloride (ug/L)	1.00 U	Xylene (ug/L)	-
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Gude Landfill
Monitoring Location MW-4 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/21/10	70.0	0.20 U	10.0 U	106.0000	--	--	183.0	0.3756 HT	0 HT	0.01 J	--	--	--	--	--
4/26/11	60.0	0.20 U	10.0 U	138.0000 J	--	--	200.0	0.3780	0	0.05 U	--	--	--	--	--
9/15/11	52.0	0.20 U	10.0 U	120.0000	--	--	163.0	0.4060	0	0.05 U	--	--	--	--	--
3/8/12	56.0	0.20 U	3.1	145.0000	--	--	188.0	0.4700	0	0.05 U	--	--	--	--	--
9/18/12	51.0	0.20 U	10.0 U	125.0000	--	--	162.0	0.4440	0	0.05 U	--	--	--	--	--
4/1/13	55.0	0.20 U	10.0 U	141.0000	--	0	186.0	0.4650	1	0.05 U	364	6.11	--	621	--
9/23/13	55.0	0.20 U	10.0 U	128.0000	--	0	170.0	0.4890	0	0.05 U	300	6.05	--	486	--
3/6/14	65.0	0.20 U	10.0 U	147.0000	--	0	206.0	0.4630	--	--	284	6.03	--	549	--
9/4/14	51.0	0.20 U	10.0 U	139.0000	--	2	194.0	0.5660	1	0.05 U	253	6.24	--	499	--
3/19/15	50.0	0.20 U	10.0 U	143.0000	--	0	212.0	0.6210	1	0.05 U	356	5.96	--	487	--
9/3/15	60.0	0.20 U	10.0 U	152.0000	--	8	194.0	0.5070	1	0.05 U	221	5.92	--	574	--
3/21/16	54.0	0.20 U	10.0 U	154.0000	--	0	184.0	0.6510	1	0.05 U	327	5.99	--	525	--
8/30/16	47.0	0.20 U	10.0 U	138.0000	--	--	140.0	0.6550	1	0.05 U	330	5.86	--	502	--
3/8/17	47.0	0.20 U	10.0 U	148.0000	--	--	192.0	0.6680	1	0.05 U	370	5.71	--	499	--
9/13/17	54.0	0.20 U	10.0 U	148.0000	--	0	116.0	0.6580	1	0.05 U	392	6.03	--	590	--
4/3/18	43.2	0.20 U	10.0 U	145.0000	--	--	181.0	0.7870	1	0.05 U	180	5.82	--	497	--
9/11/18	43.5	0.20 U	10.0 U	148.0000	--	--	191.0	0.7880	1	0.05 U	219	5.67	--	551	--
4/8/19	45.6	0.10 U	12.4	156.0000	--	0	--	0.8000	--	--	160	5.76	5.95	718	604

Gude Landfill
Monitoring Location MW-4 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
7/30/19	43.8	0.10 U	11.5	157.0000	--	1	--	0.7000	--	--	200	5.77	5.93	529	597
3/16/20	45.2	0.10 U	11.7	150.0000	--	1	--	0.8200	--	--	136	5.60	6.07	739	608

Gude Landfill
Monitoring Location MW-4 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/30/10	--	3.0 U	--	--	--	--	--
9/21/10	4.0 U	--	--	552	--	880.0	--
4/26/11	4.0 U	--	--	552	--	13.2	--
9/15/11	4.0 U	--	--	520	--	--	--
3/8/12	4.0 U	--	--	528	--	--	--
9/18/12	4.0 U	--	--	428	--	--	--
4/1/13	4.3	--	13.4	310	--	--	59.7
9/23/13	4.0	--	15.3	442	--	--	45.2
3/6/14	4.7	--	11.4	320	--	--	132.6
9/4/14	4.7	--	15.0	370	--	--	87.0
3/19/15	5.4	--	14.1	442	--	--	13.3
9/3/15	5.1	--	15.4	320	--	--	0.0
3/21/16	5.3	--	13.0	320	--	--	14.1
8/30/16	4.8	--	16.5	412	--	--	6.5
3/8/17	5.1	--	13.9	282	--	--	1.7
9/13/17	5.1	--	15.2	507	--	--	0.3
4/3/18	4.9	--	11.6	398	--	--	4.8
9/11/18	4.2	--	15.9	398	--	--	5.7
4/8/19	5.9	--	15.0	482	4.7 U	3.4	5.4

Gude Landfill
Monitoring Location MW-4 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
7/30/19	5.9	--	15.8	475	25.1	11.9	8.0
3/16/20	4.9	--	13.0	480	336.0	45.3	51.2

Gude Landfill
Monitoring Location MW-4 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.038	0.005 U	0.005 U	22.4	0.01 U	0.01 U	0.005 U	0.6	0.005 U	12.5	0.081	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.039	0.005 U	0.005 U	38.6	0.01 U	0.01 U	0.005 U	0.3	0.005 U	23.3	0.122	0.0002 U
9/18/12	0.005 U	0.005 U	0.034	0.005 U	0.005 U	33.8	0.01 U	0.01 U	0.005 U	0.4	0.005 U	21.0	0.105	0.0002 U
4/1/13	0.005 U	0.005 U	0.048	0.005 U	0.005 U	8.7	0.01 U	0.01 U	0.012	0.2 U	0.005 U	5.9	0.189	0.0002 U
9/23/13	0.005 U	0.005 U	0.036	0.005 U	0.005 U	34.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	22.2	0.142	0.0002 U
3/6/14	0.005 U	0.005 U	0.039	0.005 U	0.005 U	43.7	0.01 U	0.01 U	0.005 U	0.5	0.005 U	24.5	0.156	0.0002 U
9/4/14	0.005 U	0.005 U	0.037	0.005 U	0.005 U	33.9	0.01 U	0.01 U	0.005 U	0.3	0.005 U	20.4	0.066	0.0002 U
3/19/15	0.002 U	0.002 U	0.031	0.002 U	0.004 U	40.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	24.0	0.055	0.0002 U
9/3/15	0.001 U	0.001 U	0.034	0.001 U	0.001 U	37.0	0.01 U	0.01 U	0.005 U	0.1	0.001 U	23.0	0.180	0.0002 U
3/21/16	0.002 U	0.002 U	0.032	0.002 U	0.002 U	37.7	0.00 U	0.00 U	0.002 U	0.2	0.002 U	22.0	0.055	0.0002 U
8/30/16	0.002 U	0.002 U	0.032	0.002 U	0.002 U	35.0	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	20.7	0.045	0.0002 U
3/8/17	0.002 U	0.002 U	0.033	0.002 U	0.002 U	36.6	0.00 U	0.00 U	0.002	0.2 U	0.002 U	21.6	0.043	0.0002 U
9/13/17	0.002 U	0.002 U	0.033	0.002 U	0.002 U	38.3	0.00 U	0.00 U	0.002 U	0.2	0.002 U	22.8	0.070	0.0002 U
4/3/18	0.002 U	0.002 U	0.031	0.002 U	0.002 U	37.9	0.00	0.00 U	0.002 U	0.1 U	0.002 U	21.8	0.022	0.0002 U
9/11/18	0.002 U	0.002 U	0.031	0.002 U	0.002 U	41.0	0.00	0.00 U	0.002 U	0.1 U	0.002 U	23.1	0.020	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-4 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	2.6	0.005 U	0.01 U	15.0	0.005 U	0.01 U	0.005
9/15/11	0.01	--	--	--	--	--	--	--
3/8/12	0.02	2.9	0.005 U	0.01 U	29.1	0.005 U	0.01 U	0.007
9/18/12	0.01	2.9	0.005 U	0.01 U	27.8	0.005 U	0.01 U	0.014
4/1/13	0.01	1.3	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.011
9/23/13	0.01	2.6	0.005 U	0.01 U	28.5	0.005 U	0.01 U	0.007
3/6/14	0.01	2.8	0.005 U	0.01 U	30.2	0.005 U	0.01 U	0.006
9/4/14	0.01	2.6	0.005 U	0.01 U	27.3	0.005 U	0.01 U	0.008
3/19/15	0.01 U	2.9	0.035 U	0.01 U	31.0	0.002 U	0.01 U	0.010 U
9/3/15	0.01 U	2.8	0.005 U	0.00 U	32.0	0.001 U	0.01 U	0.005 U
3/21/16	0.00 U	2.6	0.002 U	0.00 U	28.8	0.001 U	0.00 U	0.002
8/30/16	0.00 U	2.6	0.002 U	0.00 U	28.5	0.001 U	0.00 U	0.002
3/8/17	0.00	2.6	0.002 U	0.00 U	29.0	0.001 U	0.00	0.004
9/13/17	0.00	2.6	0.002 U	0.00 U	31.5	0.001 U	0.00 U	0.002 U
4/3/18	0.00	2.7	0.002 U	0.00 U	29.4	0.001 U	0.00 U	0.004
9/11/18	0.00	2.8	0.002 U	0.00 U	27.0	0.001 U	0.00 U	0.003

Gude Landfill
Monitoring Location MW-4 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/30/10	0.0010 U	0.0006 J	0.0270	0.0010 U	0.0010 U	--	0.0008 J	0.0011	0.0010 U	--	0.0010 U	--
9/21/10	0.0050 U	0.0050 U	0.2280	0.0050 U	0.0050 U	34.4	0.0261	0.0264	0.0370	37.6	0.0220	30.900
4/26/11	0.0050 U	0.0050 U	0.0431	0.0050 U	0.0050 U	35.5 J	0.0050 U	0.0050 U	0.0050 U	1.2	0.0050 U	25.800 J
9/15/11	0.0050 U	0.0050 U	0.0409	0.0050 U	0.0050 U	34.5	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U	22.900
3/8/12	0.0050 U	0.0050 U	0.0721	0.0050 U	0.0050 U	40.4	0.0076	0.0050 U	0.0145	7.7	0.0050 U	25.500
9/18/12	0.0050 U	0.0050 U	0.0383	0.0050 U	0.0050 U	33.4	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	19.600
4/1/13	0.0050 U	0.0050 U	0.0383	0.0050 U	0.0050 U	39.6	0.0050 U	0.0050 U	0.0133	1.0	0.0050 U	22.600
9/23/13	0.0050 U	0.0050 U	0.0417	0.0050 U	0.0050 U	35.1	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	23.200
3/6/14	0.0050 U	0.0050 U	0.0483	0.0050 U	0.0050 U	45.6	0.0050 U	0.0050 U	0.0050 U	1.9	0.0050 U	25.000
9/4/14	0.0050 U	0.0050 U	0.0420	0.0050 U	0.0050 U	35.0	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U	21.100
3/19/15	0.0020 U	0.0020 U	0.0340	0.0020 U	0.0040 U	40.0	0.0100 U	0.0100 U	0.0100 U	0.7	0.0020 U	25.000
9/3/15	0.0010 U	0.0010 U	0.0320	0.0010 U	0.0005 U	39.0	0.0050 U	0.0050 U	0.0050 U	0.2	0.0010 U	25.000
3/21/16	0.0050 U	0.0050 U	0.0410	0.0050 U	0.0050 U	43.8	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	25.300
8/30/16	0.0020 U	0.0020 U	0.0323	0.0020 U	0.0020 U	34.5	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	20.500
3/8/17	0.0020 U	0.0020 U	0.0326	0.0020 U	0.0020 U	35.4	0.0021	0.0020 U	0.0023	0.2	0.0020 U	20.900
9/13/17	0.0020 U	0.0020 U	0.0333	0.0020 U	0.0020 U	38.8	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	23.200
4/3/18	0.0020 U	0.0020 U	0.0318	0.0020 U	0.0020 U	37.3	0.0020 U	0.0020 U	0.0032	0.2	0.0020 U	21.400
9/11/18	0.0050 U	0.0050 U	0.0326	0.0050 U	0.0050 U	39.4	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	22.600
4/8/19	0.0010 U	0.0010 U	0.0334	0.0010 U	0.0010 U	33.0	0.0027	0.0010 U	0.0012	0.6	0.0010 U	25.400
7/30/19	0.0010 U	0.0010 U	0.0357	0.0010 U	0.0010 U	32.0 B	0.0036	0.0010 U	0.0114	1.5	0.0010 U	23.000
3/16/20	0.0010 U	0.0010 U	0.0451	0.0010 U	0.0010 U	37.4	0.0065	0.0010	0.0010 U	2.8	0.0012	27.100

Gude Landfill
Monitoring Location MW-4 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/30/10	--	0.0002 U	0.0200	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/21/10	2.870	0.0002 U	0.0758	12.20	0.0050 U	0.0050 U	29.4	0.0050 U	--	0.0213	0.1380
4/26/11	0.138	0.0002 U	0.0108	3.56	0.0050 U	0.0050 U	30.2 J	0.0050 U	--	0.0050 U	0.0078
9/15/11	0.104	0.0002 U	--	2.76	0.0050 U	0.0050 U	29.4	0.0050 U	--	0.0050 U	0.0076
3/8/12	0.549	0.0002 U	0.0085	4.51	0.0050 U	0.0050 U	29.7	0.0050 U	--	0.0050 U	0.0313
9/18/12	0.115	0.0002 U	0.0108	3.01	0.0050 U	0.0050 U	24.9	0.0050 U	--	0.0050 U	0.0069
4/1/13	0.175	0.0002 U	0.0059	3.47	0.0050 U	0.0050 U	30.9	0.0050 U	--	0.0050 U	0.0090
9/23/13	0.142	0.0002 U	0.0096	2.53	0.0050 U	0.0050 U	29.6	0.0050 U	--	0.0050 U	0.0073
3/6/14	0.257	0.0002 U	0.0130	3.03	0.0050 U	0.0050 U	30.3	0.0050 U	--	0.0050 U	0.0103
9/4/14	0.123	0.0002 U	0.0076	2.79	0.0050 U	0.0050 U	28.3	0.0050 U	--	0.0050 U	0.0108
3/19/15	0.091	0.0002 U	0.0110 U	3.00	0.0350 U	0.0100 U	30.0	0.0020 U	--	0.0100 U	0.0056 J
9/3/15	0.120	0.0002 U	0.0100 U	2.90	0.0050 U	0.0010 U	35.0	0.0010 U	--	0.0050 U	0.0050 U
3/21/16	0.073	0.0002 U	0.0050 U	3.44	0.0050 U	0.0050 U	33.3	0.0050 U	--	0.0050 U	0.0065
8/30/16	0.053	0.0002 U	0.0020 U	2.53	0.0020 U	0.0020 U	27.5	0.0010 U	--	0.0020 U	0.0022
3/8/17	0.045	0.0002 U	0.0021	2.47	0.0020 U	0.0020 U	28.0	0.0010 U	--	0.0020 U	0.0026
9/13/17	0.092	0.0002 U	0.0049	2.54	0.0020 U	0.0020 U	32.1	0.0010 U	--	0.0020 U	0.0020 U
4/3/18	0.021	0.0002 U	0.0020 U	2.64	0.0020 U	0.0020 U	28.9	0.0010 U	--	0.0020 U	0.0058
9/11/18	0.019	0.0002 U	0.0050 U	2.74	0.0050 U	0.0050 U	29.5	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	0.023	0.0001 U	0.0017	2.86	0.0010 U	0.0010 U	34.4	0.0010 U	--	0.0010 U	0.0046
7/30/19	0.058	0.0001 U	0.0022	2.85	0.0010 U	0.0010 U	29.7 B	0.0010 U	--	0.0010 U	0.0061
3/16/20	0.106	0.0001 U	0.0050	3.50	0.0010 U	0.0010 U	32.9	0.0010 U	--	0.0010 U	0.0090 B

Gude Landfill

Printed 5/20/20

Monitoring Location MW-4 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	9.30	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 5/20/20

3/16/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,1-Trichloroethane (ug/L)	1.00 U
	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,2-Trichloroethane (ug/L)	1.00 U
	1,1-Dichloroethane (ug/L)	1.00 U
	1,1-Dichloroethene (ug/L)	1.00 U
	1,1-Dichloropropene (ug/L)	1.00 U
	1,2,3-Trichlorobenzene (ug/L)	--
	1,2,3-Trichloropropane (ug/L)	1.00 U
	1,2,4-Trimethylbenzene (ug/L)	--
	1,2-Dibromo-3-chloropropane (ug/L)	1.00 U
	1,2-Dibromoethane (ug/L)	1.00 U
	1,2-Dichlorobenzene (ug/L)	1.0 U
	1,2-Dichloroethane (ug/L)	1.00 U
	1,2-Dichloropropane (ug/L)	1.00 U

Gude Landfill

Monitoring Location MW-4 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	9.40	--	5 U	--	1.10	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.10	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.50 J	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	0.76 J	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.60	1.0 U	1.00 U	2.90	--	13.00	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.25	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.18	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.04	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.22	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.10	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-4 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/30/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	2.00	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	6.07	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location MW-4 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-4 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.70	1.00 U	5.00 U	5.60	1.00 U	1 U	1.00 U	1 U
9/15/11	1.50	1.00 U	1.00 U	1.00 U	5.00 U	1.40	14.00	1 U	3.10	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill
Monitoring Location MW-6 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1				
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	260.0	0.20 U	10.0 U	222.0000	--	--	430.0	0.0757 J	0 J	0.03 J	--	--	--	--
4/20/11	264.0	0.20 U	17.3	200.0000	--	--	1720.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/8/11	214.0	0.20 U	10.0 U	226.0000	--	--	430.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/7/12	238.0	0.20 U	10.0 U	243.0000	--	--	470.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	197.0	0.20 U	10.0 U	255.0000	--	--	452.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/18/13	216.0	0.20 U	10.0 U	258.0000	--	0	472.0	0.2000 U	0 U	0.05 U	297	6.17	--	1
9/16/13	--	--	--	--	--	1	410.0	--	--	--	152	5.90	--	938
9/17/13	183.0	0.20 U	10.0 U	304.0000	--	0	500.0	0.2000 U	0 U	0.05 U	439	5.62	--	1248
9/19/13	--	--	--	--	--	4	430.0	--	--	--	169	5.98	--	1
3/6/14	208.0	0.20 U	10.0 U	282.0000	--	4	500.0	0.2000 U	--	--	280	6.09	--	1214
9/2/14	201.0	0.20 U	10.0 U	411.0000	--	1	632.0	0.2000 U	0 U	0.05 U	324	5.85	--	1557
3/19/15	201.0	0.20 U	10.0 U	372.0000	--	0	104.0	0.2000 U	0 U	0.05 U	292	6.55	--	1320
8/31/15	197.0	0.20 U	10.0 U	409.0000	--	--	800.0	0.2000 U	0 U	0.05 U	225	6.01	--	1004
3/17/16	247.0	0.20 U	10.0 U	407.0000	--	3	710.0	0.2000 U	0 U	0.05 U	166	6.27	--	1730
9/1/16	80.0	0.20 U	10.0 U	3.6100	--	--	70.0	0.2000 U	0 U	0.05 U	236	5.66	--	1844
3/13/17	210.0	0.20 U	10.0 U	443.0000	--	--	630.0	0.2000 U	0 U	0.05 U	376	5.97	--	1667
9/11/17	243.0	0.20 U	10.0 U	456.0000	--	--	1300.0	0.2000 U	0 U	0.05 U	349	5.99	--	1849
4/4/18	250.0	0.20 U	10.4	533.0000	--	--	521.0	0.2000 U	0 U	0.05 U	68	6.00	--	1898

Gude Landfill
Monitoring Location MW-6 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
9/4/18	250.0	0.20 U	10.0 U	545.0000	--	--	545.0	0.2000 U	0 U	0.05 U	18	5.99	--	2243
4/12/19	245.0	0.10 U	12.0	618.0000	--	0	--	0.2000 U	--	--	87	5.86	6.03	2830
8/1/19	241.0	0.10 U	3.0 U	564.0000	--	0	--	1.7000	--	--	61	5.62	6.12	2
3/12/20	130.0	0.38	12.7	455.0000	--	0	--	0.2300	--	--	44	5.71	6.07	2554

Gude Landfill
Monitoring Location MW-6 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS								
7/28/10	--	--	3.0 U	--	--	--	--	--
9/21/10	--	54.1	--	--	1080	--	5300.0	--
4/20/11	--	58.7	--	--	868	--	1540.0	--
9/8/11	--	45.2	--	--	1036	--	--	--
3/7/12	--	43.4	--	--	976	--	--	--
9/13/12	--	47.4	--	--	776	--	--	--
3/18/13	--	48.0	--	12.6	644	--	--	270.0
9/16/13	--	--	--	16.6	--	--	4.6	4.8
9/17/13	--	50.0	--	16.2	878	--	--	2651.0
9/19/13	--	--	--	14.6	--	--	3400.0	114.0
3/6/14	--	62.1	--	14.4	718	--	--	589.0
9/2/14	--	70.6	--	17.0	96	--	--	129.6
3/19/15	--	77.2	--	16.8	926	--	--	11.2
8/31/15	--	70.7	--	19.3	1022	--	--	6.4
3/17/16	--	70.1	--	15.3	978	--	--	2.2
9/1/16	--	7.5	--	26.2	98	--	--	15.6
3/13/17	--	53.8	--	15.3	1060	--	--	9.0
9/11/17	--	57.4	--	17.8	1140	--	--	3.5
4/4/18	--	40.2	--	14.8	1080	--	--	7.1

Gude Landfill
Monitoring Location MW-6 - General Parameters

Printed 5/20/20

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/4/18	--	34.1	--	26.9	1140	--	--	0.0
4/12/19	2390	41.4	--	17.3	1860	45.7	8.2	5.5
8/1/19	2110	41.1	--	19.2	1440	28.1	4.8	1.7
3/12/20	1840	39.8	--	17.1	1180	23.4	45.7	17.1

Gude Landfill
Monitoring Location MW-6 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.226	0.005 U	0.005 U	69.5	0.01 U	0.34	0.006	0.5 U	0.005 U	52.7	49.900	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.267	0.005 U	0.005 U	83.7	0.01 U	0.36	0.006	0.4	0.005 U	57.8	47.700	0.0002 U
9/13/12	0.005 U	0.005 U	0.270	0.005 U	0.005 U	74.8	0.01 U	0.28	0.005	0.5	0.005 U	53.3	37.300	0.0002 U
3/18/13	0.005 U	0.005 U	0.249	0.005 U	0.005 U	75.7	0.01 U	0.32	0.006	1.0	0.005 U	54.7	46.500	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/17/13	0.005 U	0.005 U	0.271	0.005 U	0.005 U	81.6	0.01 U	0.31	0.005 U	0.4	0.005 U	57.9	42.000	0.0002 U
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/14	0.005 U	0.005 U	0.261	0.005 U	0.005 U	82.3	0.01 U	0.32	0.005 U	0.9	0.005 U	58.1	47.100	0.0002 U
9/2/14	0.005 U	0.005 U	0.402	0.005 U	0.005 U	98.2	0.01 U	0.51	0.007	2.0 U	0.005 U	69.2	52.700	0.0002 U
3/19/15	0.002 U	0.002 U	0.310	0.002 U	0.004 U	85.0	0.25	0.59	0.009 J	6.5	0.002 U	60.0	50.000	0.0002 U
8/31/15	0.001 U	0.001 U	0.320	0.001 U	0.001 U	85.0	0.21	0.46	0.011	1.9	0.001 U	67.0	50.000	0.0002 U
3/17/16	0.002 U	0.002 U	0.315	0.002 U	0.002	97.1	0.00 U	0.58	0.002 U	34.3	0.002 U	72.8	59.400	0.0002 U
9/1/16	0.002 U	0.003	0.318	0.002 U	0.002 U	107.0	0.01	0.69	0.008	3.5	0.002 U	77.4	60.800	0.0002 U
3/13/17	0.002 U	0.003	0.309	0.002 U	0.002 U	100.0	0.00 U	0.56	0.014	0.7	0.002 U	71.1	43.800	0.0002 U
9/11/17	0.002 U	0.002 U	0.414	0.002 U	0.002	109.0	0.00	0.62	0.002	0.7	0.002 U	79.5	62.300	0.0002 U
4/4/18	0.002 U	0.020 U	0.366	0.002 U	0.002 U	96.5	0.02 U	0.59	0.020 U	5.4	0.002 U	71.9	73.600	0.0002 U
9/4/18	0.002 U	0.002 U	0.310	0.002 U	0.002 U	99.6	0.01	0.76	0.002 U	29.2	0.002 U	73.5	74.200	0.0002 U

Gude Landfill

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Monitoring Location MW-6 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.03	3.1	0.005 U	0.01 U	62.2	0.005 U	0.01 U	0.043
9/8/11	0.03	--	--	--	--	--	--	--
3/7/12	0.04	3.7	0.005 U	0.01 U	77.8	0.005 U	0.01 U	0.033
9/13/12	0.06	4.1	0.007	0.01 U	64.0	0.005 U	0.01 U	0.039
3/18/13	0.05	3.4	0.007	0.01 U	64.3	0.005 U	0.01 U	0.037
9/16/13	0.03	--	--	--	--	--	--	--
9/17/13	0.04	3.7	0.008	0.01 U	68.4	0.005 U	0.01 U	0.035
9/19/13	0.06	--	--	--	--	--	--	--
3/6/14	0.03	3.3	0.005 U	0.01 U	67.5	0.005 U	0.01 U	0.043
9/2/14	0.06	4.3	0.007	0.01 U	98.0	0.005 U	0.01 U	0.045
3/19/15	0.49	3.7	0.350 U	0.01 U	97.0	0.002 U	0.01 U	0.044
8/31/15	0.35	4.0	0.005 U	0.00 U	97.0	0.001 U	0.01 U	0.044
3/17/16	0.05	3.2	0.005	0.00 U	102.0	0.001 U	0.00 U	0.023
9/1/16	0.08	4.2	0.002	0.00 U	114.0	0.001 U	0.00	0.040
3/13/17	0.07	4.0	0.002 U	0.00 U	112.0	0.001 U	0.00	0.040
9/11/17	0.07	4.3	0.006	0.00 U	123.0	0.001 U	0.00 U	0.033
4/4/18	0.06	5.0 U	0.020 U	0.00 U	115.0	0.001 U	0.02 U	0.027
9/4/18	0.07	2.3	0.002 U	0.00 U	107.0	0.001 U	0.00 U	0.030

Gude Landfill
Monitoring Location MW-6 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/28/10	0.0010 U	0.0031	0.2800	0.0010 U	0.0010 U	--	0.0085	0.2000	0.0110	--	0.0037	--
9/21/10	0.0050 U	0.0050 U	0.6750	0.0070	0.0082	62.6	0.0533	0.3300	0.1430	69.4	0.0519	57.900
4/20/11	0.0050 U	0.0050 U	0.3030	0.0050 U	0.0050 U	73.9	0.0050 U	0.3220	0.0157	2.9	0.0101	54.900
9/8/11	0.0050 U	0.0050 U	0.3190	0.0050 U	0.0066	70.3	0.0050 U	0.2160	0.0106	0.9	0.0110	53.500
3/7/12	0.0050 U	0.0050 U	0.3650	0.0050 U	0.0062	78.7	0.0073	0.3740	0.0243	4.8	0.0137	56.300
9/13/12	0.0050 U	0.0050 U	0.4330	0.0050 U	0.0089	72.8	0.0229	0.3430	0.0414	17.9	0.0095	53.100
3/18/13	0.0050 U	0.0050 U	0.2590	0.0050 U	0.0050 U	76.3	0.0051	0.3880	0.0133	3.5	0.0050 U	54.900
9/16/13	0.0050 U	0.0025	0.3000	0.0010 U	0.0010 U	76.0	0.0010 U	0.3400	0.0026	10.0 U	0.0010 U	54.000
9/17/13	0.0050 U	0.0050 U	0.3010	0.0050 U	0.0050 U	79.8	0.0064	0.2630	0.0149	7.7	0.0054	56.700
9/19/13	0.0050 U	0.0320	0.3900	0.0013	0.0010 U	78.0	0.0120	0.3500	0.0540	17.0	0.0250	58.000
3/6/14	0.0050 U	0.0050 U	0.3000	0.0050 U	0.0050 U	80.1	0.0118	0.2810	0.0157	8.7	0.0055	56.300
9/2/14	0.0050 U	0.0050 U	0.3930	0.0050 U	0.0050 U	90.2	0.0050 U	0.4660	0.0091	2.4	0.0050 U	65.000
3/19/15	0.0020 U	0.0020 U	0.3100	0.0020 U	0.0040 U	83.0	0.5700	0.5900	0.0170	8.3	0.0020 U	60.000
8/31/15	0.0010 U	0.0011	0.3200	0.0010 U	0.0005 U	84.0	0.5300	0.4600	0.0110	3.3	0.0010 U	59.000
3/17/16	0.0020 U	0.0020 U	0.3320	0.0020 U	0.0023	95.9	0.0020 U	0.5540	0.0033	27.3	0.0020 U	71.500
9/1/16	0.0020 U	0.0020 U	0.0158	0.0020 U	0.0020 U	19.5	0.0031	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.820
3/13/17	0.0020 U	0.0031	0.3170	0.0020 U	0.0020 U	96.7	0.0034	0.5700	0.0216	0.8	0.0020 U	66.900
9/11/17	0.0020 U	0.0020 U	0.4180	0.0020 U	0.0024	109.0	0.0032	0.5970	0.0031	0.7	0.0020 U	79.300
4/4/18	0.0020 U	0.0200 U	0.3500	0.0020 U	0.0020 U	93.1	0.0200 U	0.5680	0.0200 U	3.9	0.0020 U	70.200
9/4/18	0.0020 U	0.0020 U	0.3400	0.0020 U	0.0020 U	98.6	0.0037	0.7860	0.0337	22.7	0.0020 U	72.600
4/12/19	0.0010 U	0.0010 U	0.4630	0.0010 U	0.0010 U	110.0	0.0059	0.8380	0.0072	4.8 B	0.0010 U	91.700
8/1/19	0.0010 U	0.0010 U	0.3820	0.0010 U	0.0010 U	75.6	0.0066	0.7070	0.0029	3.6	0.0010 U	68.400
3/12/20	0.0010 U	0.0010 U	0.3580	0.0010 U	0.0010 U	76.5	0.0018	0.7340	0.0050	14.1	0.0010 U	71.200

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-6 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/28/10	--	0.0002 U	0.0330	--	0.0012	0.0010 U	--	0.0010 U	0.0050 U	0.0067	0.0680
9/21/10	38.900	0.0002 U	0.1540	4.92	0.0429	0.0050 U	56.2	0.0050 U	--	0.0531	0.5000
4/20/11	54.000	0.0004	0.0339	2.94	0.0113	0.0050 U	63.1	0.0050 U	--	0.0050 U	0.0516
9/8/11	37.630	0.0002 U	--	3.71	0.0098	0.0050 U	61.2	0.0001	--	0.0050 U	0.0487
3/7/12	44.400	0.0002 U	0.0339	3.63	0.0096	0.0050 U	70.9	0.0050 U	--	0.0054	0.0616
9/13/12	37.600	0.0002 U	0.0342	4.19	0.0151	0.0050 U	59.6	0.0050 U	--	0.0149	0.1360
3/18/13	48.000	0.0002 U	0.0344	3.77	0.0084	0.0050 U	65.3	0.0050 U	--	0.0050 U	0.0515
9/16/13	40.000	0.0002 U	--	3.50	0.0006 J	0.0010 U	65.0	0.0010 U	--	0.0050 U	2.0000 U
9/17/13	40.000	0.0002 U	0.0349	4.00	0.0133	0.0050 U	66.0	0.0050 U	--	0.0050 U	0.0561
9/19/13	37.000	0.0001 J	--	3.80	0.0038	0.0010 U	65.0	0.0010 U	--	0.0140	0.1400
3/6/14	44.700	0.0002 U	0.0409	3.35	0.0084	0.0050 U	64.3	0.0050 U	--	0.0051	0.0627
9/2/14	54.300	0.0002 U	0.0532	3.97	0.0084	0.0050 U	89.8	0.0050 U	--	0.0050 U	0.0456
3/19/15	48.000	0.0002 U	0.5700	3.50	0.3500 U	0.0100 U	76.0	0.0020 U	--	0.0100 U	0.0480
8/31/15	50.000	0.0002 U	0.5600	3.90	0.0050 U	0.0010 U	95.0	0.0010 U	--	0.0050 U	0.0450
3/17/16	58.100	0.0002 U	0.0511	3.29	0.0057	0.0001 U	101.0	0.0010 U	--	0.0020 U	0.0253
9/1/16	0.013	0.0002 U	0.0020 U	1.17	0.0020 U	0.0020 U	10.4	0.0010 U	--	0.0020 U	0.0036
3/13/17	45.500	0.0002 U	0.0684	4.08	0.0021	0.0020 U	107.0	0.0010 U	--	0.0023	0.0424
9/11/17	61.200	0.0002 U	0.0654	4.22	0.0057	0.0020 U	123.0	0.0010 U	--	0.0020 U	0.0337
4/4/18	65.600	0.0002 U	0.0576	5.52	0.0200 U	0.0020 U	106.0	0.0010 U	--	0.0200 U	0.0279
9/4/18	3.470	0.0002 U	0.0776	2.35	0.0020 U	0.0020 U	105.0	0.0010 U	--	0.0020 U	0.0501
4/12/19	75.000	0.0001	0.1000	4.89	0.0118	0.0010 U	199.0	0.0010 U	--	0.0010 U	0.0574 B
8/1/19	64.800	0.0001 U	0.0811	4.35	0.0097	0.0010 U	171.0	0.0010 U	--	0.0010 U	0.0381 B
3/12/20	52.400	0.0001 U	0.0808	4.33	0.0055	0.0010 U	167.0	0.0010 U	--	0.0010 U	0.0385

Gude Landfill

Printed 5/20/20

Monitoring Location MW-6 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	7.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0	2.00	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	6.86	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	1.84 J	2.37
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.9	1.00 U	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	2.79	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.15
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	2.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.68	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.24	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-6 - Volatile Organic Compounds

3/12/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,1-Trichloroethane (ug/L)	1.00 U
	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,2-Trichloroethane (ug/L)	1.00 U
	1,1-Dichloroethane (ug/L)	1.00 U
	1,1-Dichloroethene (ug/L)	1.00 U
	1,1-Dichloropropene (ug/L)	1.00 U
	1,2,3-Trichlorobenzene (ug/L)	--
	1,2,3-Trichloropropane (ug/L)	1.00 U
	1,2,4-Trimethylbenzene (ug/L)	--
	1,2-Dibromo-3-chloropropane (ug/L)	1.00 U
	1,2-Dibromoethane (ug/L)	1.00 U
	1,2-Dichlorobenzene (ug/L)	1.0 U
	1,2-Dichloroethane (ug/L)	1.00 U
	1,2-Dichloropropane (ug/L)	1.00 U

Gude Landfill

Monitoring Location MW-6 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/28/10	--	1.00 U	10.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00	--	1.00 U
9/21/10	2.00 U	2.00 U	6.64	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	0.74 J	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	7.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/13/12	1.00 U	1.00 U	6.24	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	4.53	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	3.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	4.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	4.42	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	3.27	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	3.92	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	4.43	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	11.60	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.34	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	8.84	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	3.63	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	3.38	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	2.78	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	2.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/12/19	--	1.00 U	4.30	1.00 U	5.00 U	--	5.00 U	--	5 U	13.70	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	4.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/12/20	--	1.00 U	4.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	7.00	1.0	1.00 U	1.00 U	--	41.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	5.77	2.0 U	2.00 U	2.00 U	--	33.20	2.00 U	2.00 U	2.00 U	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.10	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.30	1.0 U	1.00 U	1.00 U	--	23.00	1.00 U	1.00 U	--	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.56	1.0 U	1.00 U	1.00 U	--	18.10	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.03	1.0 U	1.00 U	1.00 U	--	15.30	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.03	1.0 U	1.00 U	1.00 U	--	15.60	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.94	1.0 U	1.00 U	1.00 U	--	11.20	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.19	1.0 U	1.00 U	1.00 U	--	11.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.17	1.0 U	1.00 U	1.00 U	--	11.20	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.90	1.0 U	1.00 U	1.00 U	--	12.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.02	1.0 U	1.00 U	1.00 U	--	13.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.75	1.0 U	1.00 U	1.00 U	--	7.86	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.67	1.0 U	1.00 U	1.00 U	--	10.30	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.82	1.0 U	1.00 U	1.00 U	--	6.92	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.60	1.0 U	1.00 U	1.00 U	--	6.41	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.03	1.0 U	1.00 U	1.00 U	--	3.71	1.00 U	1.00 U	1.00 U	--	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.30	1.0 U	1.00 U	1.00 U	1 U	4.70	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.40	1.0 U	1.00 U	1.00 U	1 U	5.50	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.20	1.0 U	1.00 U	1.00 U	1 U	4.90	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-6 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	5.16	2.00 U	0.56 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	3.30	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/13/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/12/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/12/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 5/20/20

Monitoring Location MW-6 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/28/10	1.00 U	1.00 U	3.00	1.00 U	5.00 U	2.00	1.00 U	1 U	7.00	--
9/21/10	2.00 U	2.00 U	2.63	2.00 U	2.00 U	1.19 J	2.00 U	2 U	2.00 U	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	2.20	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	1.20	1.00 U	5.00 U	1.00	1.00 U	1 U	2.00	1 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/13	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.65	--
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.26	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.62	--
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.38	--
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.42	--
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.41	--
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.30	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill Monitoring Location MW-6 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	-

Gude Landfill
Monitoring Location MW-7 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1				
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	90.0	0.20 U	12.6	131.0000	--	--	650.0	10.3500	10	0.05 U	--	--	--	--
4/26/11	42.0	0.20 U	15.0	119.0000 J	--	--	219.0	14.5900	15	0.05 U	--	--	--	--
9/20/11	69.0	0.20 U	15.1	117.0000	--	--	241.0	18.4500	19	0.05 U	--	--	--	--
3/13/12	42.0	0.20 U	14.6	70.3000	--	--	198.0	29.0900	29	0.05 U	--	--	--	--
9/17/12	31.0	0.20 U	10.0 U	108.0000	--	--	216.0	22.6500	23	0.05 U	--	--	--	--
3/28/13	68.0	0.20 U	21.2	118.0000	--	0	238.0	15.0122	15	0.09	461	5.79	--	693
9/23/13	48.0	0.20 U	10.0 U	117.0000	--	0	212.0	15.7500	16	0.05 U	375	5.57	--	580
3/12/14	139.0	0.27	23.7	123.0000	--	0	294.0	6.2060	--	--	234	5.55	--	668
9/8/14	259.0	0.38	35.8	166.0000	--	1	418.0	2.1700	2	0.05 U	75	6.27	--	1005
3/18/15	62.0	0.20 U	10.0 U	124.0000	--	3	210.0	4.2000	4	0.05 U	387	5.81	--	174
8/31/15	128.0	0.20 U	25.2	128.0000	--	2	266.0	5.3800	5	0.05 U	318	5.93	--	640
3/23/16	254.0	0.20 U	34.4	194.0000	--	0	440.0	1.0400	1	0.05 U	154	5.95	--	979
9/6/16	105.0	0.20 U	10.0 U	85.1000	--	--	114.0	1.8400	2	0.05 U	249	5.41	--	540
3/6/17	290.0	0.20 U	25.0	189.0000	--	--	126.0	0.2540	0	0.05 U	249	5.95	--	921
9/12/17	384.0	1.32	40.8	222.0000	--	0	450.0	0.3170	0	0.05 U	95	6.15	--	1417
3/27/18	395.0	0.32	37.6	235.0000	--	--	700.0	0.3670	0	0.05 U	31	6.07	--	1293
9/11/18	260.0	0.46	27.2	167.0000	--	--	416.0	0.2000 U	0 U	0.05 U	-35	5.87	--	1025
4/16/19	284.0	1.05	48.0	118.0000	--	0	--	0.2000 U	--	--	-81	5.96	6.31	1109

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-7 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
8/5/19	344.0	1.24	51.9	188.0000	--	0	--	0.2000 U	--	--	-36	5.70	6.14	1
3/3/20	131.0	0.30	18.7	69.4000	--	0	--	2.4200	--	--	214	5.71	5.90	641

Gude Landfill
Monitoring Location MW-7 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS								
8/2/10	--	--	0.0 U	--	--	--	--	--
9/15/10	--	13.1	--	--	648	--	11.1	--
4/26/11	--	12.4 J	--	--	552	--	6.1	--
9/20/11	--	11.7	--	--	788	--	--	--
3/13/12	--	5.6	--	--	528	--	--	--
9/17/12	--	11.0	--	--	560	--	--	--
3/28/13	--	5.7	--	13.9	420	--	--	0.8
9/23/13	--	7.8	--	17.0	524	--	--	3.7
3/12/14	--	10.5	--	16.7	442	--	--	6.1
9/8/14	--	21.0	--	16.6	650	--	--	10.1
3/18/15	--	21.4	--	11.9	398	--	--	0.0
8/31/15	--	26.8	--	27.5	392	--	--	0.0
3/23/16	--	21.2	--	17.0	600	--	--	0.0
9/6/16	--	34.9	--	23.2	358	--	--	0.0
3/6/17	--	23.8	--	15.4	578	--	--	1.6
9/12/17	--	19.2	--	18.2	779	--	--	8.7
3/27/18	--	22.1	--	14.6	779	--	--	8.2
9/11/18	--	27.3	--	18.5	582	--	--	7.7
4/16/19	863	21.8	--	19.7	572	5.7	18.1	9.8

Gude Landfill
Monitoring Location MW-7 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/5/19	1210	34.1	--	17.7	800	6.2	10.1	0.1
3/3/20	610	66.0	--	18.9	362	2.4	1.4	1.9

Gude Landfill
Monitoring Location MW-7 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.066	0.005 U	0.005 U	48.6	0.01 U	0.01 U	0.008	0.5 J	0.005 U	25.9	0.721	0.0002 U
9/20/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.005 U	0.060	0.005 U	0.005 U	41.3	0.01 U	0.01	0.009	0.5	0.005 U	26.0	0.647	0.0002 U
9/17/12	0.005 U	0.005 U	0.067	0.005 U	0.005 U	47.8	0.01 U	0.01	0.010	0.3	0.005 U	27.3	0.439	0.0002 U
3/28/13	0.005 U	0.005 U	0.062	0.005 U	0.005 U	47.1	0.01 U	0.01 U	0.017	0.4	0.005 U	26.5	1.280	0.0002 U
9/23/13	0.005 U	0.005 U	0.069	0.005 U	0.005 U	43.7	0.01 U	0.01 U	0.011	0.3	0.005 U	26.4	1.190	0.0002 U
3/12/14	0.005 U	0.005 U	0.067	0.005 U	0.005 U	55.5	0.01 U	0.01	0.005 U	2.5	0.005 U	29.2	1.700	0.0002 U
9/8/14	0.005 U	0.005 U	0.101	0.005 U	0.005 U	84.0	0.01 U	0.01	0.007	2.0	0.005 U	45.1	5.740	0.0002 U
3/18/15	0.002 U	0.002 U	0.057	0.002 U	0.004 U	41.0	0.01 U	0.01 U	0.007 J	0.0 U	0.002 U	23.0	0.930	0.0002 U
8/31/15	0.001 U	0.001 U	0.063	0.001 U	0.001 U	50.0	0.01 U	0.01 J	0.007	0.0 U	0.001 U	25.0	2.800	0.0002 U
3/23/16	0.002 U	0.002 U	0.091	0.002 U	0.002 U	90.1	0.00	0.01	0.003	3.1	0.002 U	46.4	1.800	0.0002 U
9/6/16	0.002 U	0.002 U	0.061	0.002 U	0.002 U	40.2	0.00	0.01	0.003	1.3	0.002 U	22.1	1.450	0.0002 U
3/6/17	0.002 U	0.002	0.092	0.002 U	0.002 U	98.4	0.01	0.01	0.012	1.8	0.002 U	50.8	1.850	0.0002 U
9/12/17	0.002 U	0.002 U	0.109	0.002 U	0.002 U	125.0	0.00	0.01	0.003	4.4	0.002 U	62.2	3.550	0.0002 U
3/27/18	0.002 U	0.002	0.105	0.002 U	0.002 U	138.0	0.02	0.01	0.003	1.4	0.002 U	67.3	3.260	0.0002 U
9/11/18	0.002 U	0.002	0.083	0.002 U	0.002 U	92.2	0.02	0.01	0.002 U	2.7	0.002 U	42.0	2.620	0.0002 U

Gude Landfill

Monitoring Location MW-7 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	3.3	0.005 U	0.01 U	31.3	0.005 U	0.01 U	0.009
9/20/11	0.01	--	--	--	--	--	--	--
3/13/12	0.01	3.1	0.005 U	0.01 U	22.8	0.005 U	0.01 U	0.012
9/17/12	0.01	3.6	0.005 U	0.01 U	24.8	0.005 U	0.01 U	0.010
3/28/13	0.01	4.1	0.005 U	0.01 U	22.8	0.005 U	0.01 U	0.011
9/23/13	0.01	2.9	0.005 U	0.01 U	23.5	0.005 U	0.01 U	0.010
3/12/14	0.01	3.6	0.005 U	0.01 U	25.8	0.005 U	0.01 U	0.009
9/8/14	0.01	4.2	0.005 U	0.01 U	49.2	0.005 U	0.01 U	0.010
3/18/15	0.01 U	2.9	0.035 U	0.01 U	29.0	0.002 U	0.01 U	0.010 U
8/31/15	0.01 U	3.5	0.005 U	0.00 U	40.0	0.001 U	0.01 U	0.007
3/23/16	0.01	3.9	0.008	0.00 U	48.0	0.001 U	0.00 U	0.003
9/6/16	0.01	2.9	0.002 U	0.00 U	33.3	0.001 U	0.00 U	0.007
3/6/17	0.01	4.1	0.004	0.00 U	49.4	0.001 U	0.00 U	0.019
9/12/17	0.01	4.4	0.003	0.00 U	52.6	0.001 U	0.00 U	0.005
3/27/18	0.01	4.7	0.005	0.00 U	51.8	0.001 U	0.00	0.005
9/11/18	0.01	4.0	0.004	0.00 U	42.9	0.001 U	0.00	0.003

Gude Landfill
Monitoring Location MW-7 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0012	0.0800	0.0010 U	0.0010 U	--	0.0018	0.0160	0.0180	--	0.0010 U	--
9/15/10	0.0050 U	0.0050 U	0.0666	0.0050 U	0.0050 U	46.7	0.0050 U	0.0066	0.0160	0.7	0.0050 U	23.200
4/26/11	0.0050 U	0.0050 U	0.0674	0.0050 U	0.0050 U	46.5 J	0.0050 U	0.0050 U	0.0100	0.5	0.0050 U	28.100 J
9/20/11	0.0050 U	0.0050 U	0.0636	0.0100 U	0.0050 U	55.2	0.0050 U	0.0050 U	0.0084	0.5 U	0.0050 U	31.500
3/13/12	0.0050 U	0.0050 U	0.0580	0.0050 U	0.0050 U	41.7	0.0050 U	0.0065	0.0115	0.5	0.0050 U	25.700
9/17/12	0.0050 U	0.0050 U	0.0631	0.0050 U	0.0050 U	44.5	0.0050 U	0.0073	0.0130	0.4	0.0050 U	24.700
3/28/13	0.0050 U	0.0050 U	0.0635	0.0050 U	0.0050 U	48.9	0.0050 U	0.0050 U	0.0172	0.4	0.0050 U	27.600
9/23/13	0.0050 U	0.0050 U	0.0732	0.0050 U	0.0050 U	45.4	0.0050 U	0.0050 U	0.0110	0.3	0.0050 U	27.700
3/12/14	0.0050 U	0.0050 U	0.0659	0.0050 U	0.0050 U	55.6	0.0050 U	0.0100	0.0111	3.3	0.0050 U	28.700
9/8/14	0.0050 U	0.0050 U	0.1020	0.0050 U	0.0050 U	81.6	0.0050 U	0.0103	0.0148	2.2	0.0050 U	44.100
3/18/15	0.0020 U	0.0020 U	0.0580	0.0020 U	0.0040 U	40.0	0.0100 U	0.0100 U	0.0068 J	0.0 U	0.0020 U	23.000
8/31/15	0.0010 U	0.0010 U	0.0690	0.0010 U	0.0005 U	57.0	0.0050 U	0.0094	0.0096	0.1	0.0010 U	29.000
3/23/16	0.0050 U	0.0050 U	0.1030	0.0050 U	0.0050 U	98.0	0.0050 U	0.0136	0.0121	3.8	0.0050 U	53.400
9/6/16	0.0020 U	0.0020 U	0.0599	0.0020 U	0.0020 U	40.2	0.0020 U	0.0121	0.0051	1.6	0.0020 U	21.900
3/6/17	0.0020 U	0.0025	0.0921	0.0020 U	0.0020 U	98.1	0.0068	0.0159	0.0129	2.4	0.0020 U	50.600
9/12/17	0.0050 U	0.0050 U	0.1100	0.0050 U	0.0050 U	127.0	0.0050 U	0.0132	0.0100	6.3	0.0050 U	64.700
3/27/18	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	148.0	0.0050 U	0.0114	0.0071	2.0	0.0050 U	70.800
9/11/18	0.0050 U	0.0050 U	0.0918	0.0050 U	0.0050 U	93.2	0.0050 U	0.0153	0.0095	4.1	0.0050 U	44.500
4/16/19	0.0010 U	0.0010 U	0.2250	0.0010 U	0.0010 U	52.0	0.0035	0.0443	0.0082	19.5	0.0010 U	37.400
8/5/19	0.0010 U	0.0010 U	0.1460	0.0010 U	0.0010 U	73.6	0.0012	0.0764	0.0264	4.3	0.0010 U	52.400
3/3/20	0.0010 U	0.0010 U	0.0669	0.0010 U	0.0010 U	38.2	0.0047	0.0235	0.0038	0.2	0.0010 U	25.200

Gude Landfill
Monitoring Location MW-7 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0099	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/15/10	2.010	0.0002 U	0.0157	3.16	0.0050 U	0.0050 U	33.4	0.0050 U	--	0.0050 U	0.0246
4/26/11	0.761	0.0002 U	0.0064	3.81	0.0050 U	0.0050 U	32.6 J	0.0050 U	--	0.0050 U	0.0119
9/20/11	0.562	0.0002 U	--	3.36	0.0050 U	0.0050 U	31.7	0.0050 U	--	0.0050 U	0.0106
3/13/12	0.681	0.0002 U	0.0059	3.09	0.0050 U	0.0050 U	22.7	0.0050 U	--	0.0050 U	0.0148
9/17/12	0.340	0.0002 U	0.0077	3.80	0.0050 U	0.0050 U	23.1	0.0050 U	--	0.0050 U	0.0140
3/28/13	1.300	0.0002 U	0.0069	4.23	0.0050 U	0.0050 U	24.1	0.0050 U	--	0.0050 U	0.0098
9/23/13	1.220	0.0002 U	0.0068	2.82	0.0050 U	0.0050 U	24.7	0.0050 U	--	0.0050 U	0.0099
3/12/14	1.880	0.0002 U	0.0077	3.81	0.0050 U	0.0050 U	25.7	0.0050 U	--	0.0050 U	0.0096
9/8/14	5.810	0.0002 U	0.0089	4.17	0.0050 U	0.0050 U	48.2	0.0050 U	--	0.0050 U	0.0118
3/18/15	0.950	0.0002 U	0.0110 U	2.80	0.0350 U	0.0100 U	28.0	0.0020 U	--	0.0100 U	0.0100 U
8/31/15	2.200	0.0002 U	0.0100 U	3.80	0.0050 U	0.0010 U	43.0	0.0010 U	--	0.0050 U	0.0110
3/23/16	1.830	0.0002 U	0.0086	5.69	0.0050 U	0.0050 U	56.1	0.0050 U	--	0.0050 U	0.0071
9/6/16	1.490	0.0002 U	0.0052	2.94	0.0020 U	0.0020 U	33.1	0.0010 U	--	0.0020 U	0.0071
3/6/17	1.920	0.0002 U	0.0099	4.08	0.0041	0.0020 U	49.4	0.0010 U	--	0.0020 U	0.0147
9/12/17	3.400	0.0002 U	0.0072	4.62	0.0050 U	0.0050 U	55.1	0.0050 U	--	0.0050 U	0.0246
3/27/18	3.180	0.0002 U	0.0102	5.22	0.0050 U	0.0050 U	55.9	0.0050 U	--	0.0050 U	0.0308
9/11/18	2.710	0.0002 U	0.0115	4.11	0.0050 U	0.0050 U	43.1	0.0050 U	--	0.0050 U	0.0409
4/16/19	20.100 J	0.0001 U	0.0082	3.99	0.0010 U	0.0010 U	56.0 B	0.0010 U	--	0.0013	0.0056
8/5/19	19.600	0.0001 U	0.0111	4.33	0.0010 U	0.0010 U	67.0	0.0010 U	--	0.0010 U	0.0079 B
3/3/20	2.280	0.0001 U	0.0096	3.22	0.0010 U	0.0010 U	45.0	0.0010 U	--	0.0010 U	0.0065

Gude Landfill

Printed 5/20/20

Monitoring Location MW-7 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.37	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.74	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.56	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 5/20/20

3/3/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,1-Trichloroethane (ug/L)	1.00 U
	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,2-Trichloroethane (ug/L)	1.00 U
	1,1-Dichloroethane (ug/L)	1.00 U
	1,1-Dichloroethene (ug/L)	1.00 U
	1,1-Dichloropropene (ug/L)	1.00 U
	1,2,3-Trichlorobenzene (ug/L)	--
	1,2,3-Trichloropropane (ug/L)	1.00 U
	1,2,4-Trimethylbenzene (ug/L)	--
	1,2-Dibromo-3-chloropropane (ug/L)	1.00 U
	1,2-Dibromoethane (ug/L)	1.00 U
	1,2-Dichlorobenzene (ug/L)	1.0 U
	1,2-Dichloroethane (ug/L)	1.00 U
	1,2-Dichloropropane (ug/L)	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-7 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	9.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	0.73 J	2.00 U	2.00 U	2.00 U	2 U	4.74	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/13/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.69	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	7.54	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	10.60	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.10	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.22	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	3.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	18.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	28.40	--	5 U	--	1.29	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	2.94	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	14.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	20.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.05	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	18.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.07	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	8.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	9.40	1.00 U	5.00 U	--	5.00 U	--	5 U	39.00	--	5 U	1 U	1.10	--	1.00 U
8/5/19	--	1.00 U	12.30	1.00 U	5.00 U	--	5.00 U	--	5 U	12.70	--	5 U	1 U	1.20	--	1.00 U

Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/3/20	--	1.00 U	2.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.0 U	1.00 U	1.00 U	--	31.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.58 J	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.12	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.38	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.45	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.65	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.35	1.0 U	1.00 U	1.00 U	--	5.18	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.05	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.54	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.31	1.0 U	1.00 U	1.00 U	--	8.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.77	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.06	1.0 U	1.00 U	1.00 U	--	8.46	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.49	1.0 U	1.00 U	1.00 U	--	9.23	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.24	1.0 U	1.00 U	1.00 U	--	9.76	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.11	1.0 U	1.00 U	1.00 U	--	7.71	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.0 U	1.00 U	1.00 U	1 U	8.80	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.20	1.0 U	1.00 U	1.00 U	1 U	6.00	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 5/20/20

3/3/20	Bromodichloromethane (ug/L)	1.00 U	Bromoform (ug/L)	1.00 U	Bromomethane (ug/L)	1.00 U	Carbon Disulfide (ug/L)	1.00 U	Carbon Tetrachloride (ug/L)	1.00 U	Chlorobenzene (ug/L)	1.00 U	Chloroethane (ug/L)	1.0 U	Chloroform (ug/L)	1.00 U	Chloromethane (ug/L)	1.00 U	Chloroprene (ug/L)	1 U	cis-1,2-Dichloroethene (ug/L)	4.90	cis-1,3-Dichloropropene (ug/L)	1.00 U	Dibromochloromethane (ug/L)	1.00 U	Dichlorodifluoromethane (ug/L)	--	Ethyl Methacrylate (ug/L)	5 U	Ethylbenzene (ug/L)	1.00 U
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Gude Landfill

Printed 5/20/20

Monitoring Location MW-7 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.70	--	--	--	--	--	1.00 U	--
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.79	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.36	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.98	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-7 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00	1.00 U	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	5.00	--
9/15/10	0.54 J	2.00 U	2.00 U	2.00 U	2.00 U	0.52 J	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	11.00	1.00 U	1 U	1.00 U	1 U
9/20/11	3.00	1.00 U	1.00 U	1.00 U	5.00 U	3.00	1.00 U	1 U	1.00 U	1 U
3/13/12	3.20	1.00 U	1.00 U	1.00 U	5.00 U	1.30	1.00 U	1 U	1.00 U	1 U
9/17/12	3.56	1.00 U	1.00 U	1.00 U	5.00 U	3.58	1.00 U	5 U	1.00 U	--
3/28/13	5.26	1.00 U	1.00 U	1.00 U	5.00 U	2.21	1.00 U	5 U	1.00 U	--
9/23/13	4.39	1.00 U	1.00 U	1.00 U	5.00 U	2.62	1.00 U	5 U	1.00 U	--
3/12/14	4.64	1.00 U	1.00 U	1.00 U	5.00 U	2.37	1.00 U	5 U	1.00 U	--
9/8/14	1.97	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.09	--
3/18/15	3.79	1.00 U	1.00 U	1.00 U	5.00 U	1.37	1.00 U	5 U	1.00 U	--
8/31/15	2.22	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	2.34	1.00 U	1.00 U	1.00 U	5.00 U	2.17	1.00 U	5 U	1.25	--
9/6/16	1.02	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	2.02	1.00 U	1.00 U	1.00 U	5.00 U	2.10	1.00 U	5 U	1.00 U	--
9/12/17	2.54	42.40	1.00 U	1.00 U	5.00 U	2.85	1.00 U	5 U	1.24	--
3/27/18	2.07	1.00 U	1.00 U	1.00 U	5.00 U	2.49	1.00 U	5 U	1.07	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.31	1.00 U	5 U	1.05	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.90	--
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	2.40	--

Gude Landfill Monitoring Location MW-7 - Volatile Organic Compounds

Compound (ug/L)	3/3/20
Tetrachloroethene (ug/L)	1.00 U
Toluene (ug/L)	1.00 U
trans-1,2-Dichloroethene (ug/L)	1.00 U
trans-1,3-Dichloropropene (ug/L)	1.00 U
trans-1,4-Dichloro-2-butene (ug/L)	1.00 U
Trichloroethene (ug/L)	1.00 U
Trichlorofluoromethane (ug/L)	1.00 U
Vinyl Acetate (ug/L)	1 U
Vinyl Chloride (ug/L)	1.00 U
Xylene (ug/L)	-

Gude Landfill
Monitoring Location MW-8 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1				
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/14/10	190.0	0.73	10.0 U	190.0000	--	--	270.0	7.6300	8	0.05 U	--	--	--	--
4/25/11	480.0	1.94	26.3	207.0000	--	--	600.0	13.8500	14	0.05 U	--	--	--	--
9/19/11	209.0	0.20 U	6.2	210.0000	--	--	99.0	5.6500	6	0.05 U	--	--	--	--
3/8/12	166.0	0.20 U	11.5	198.0000	--	--	332.0	14.7900	15	0.05 U	--	--	--	--
9/17/12	178.0	0.20 U	10.0 U	223.0000	--	--	344.0	9.6100	10	0.05 U	--	--	--	--
3/28/13	175.0	0.20 U	10.0 U	172.0000	--	1	302.0	4.7500	5	0.05 U	306	6.57	--	1
9/23/13	89.0	0.20 U	10.0 U	197.0000	--	1	218.0	5.2100	5	0.05 U	264	6.39	--	908
3/12/14	233.0	0.20 U	16.0	142.0000	--	8	412.0	14.5500	--	--	290	6.61	--	1121
9/8/14	187.0	0.20 U	11.8	160.0000	--	1	316.0	9.4300	9	0.05 U	262	6.81	--	965
3/18/15	266.0	0.20 U	12.5	134.0000	--	10	444.0	11.5900	12	0.05 U	312	7.83	--	951
8/31/15	144.0	0.20 U	10.2	151.0000	--	3	276.0	9.5300	10	0.05 U	315	6.55	--	879
3/23/16	289.0	0.20 U	10.0 U	133.0000	--	0	468.0	6.7500	7	0.05 U	206	7.14	--	1123
8/29/16	157.0	0.20 U	13.2	102.0000	--	--	298.0	8.2200	8	0.05 U	284	6.64	--	895
3/6/17	216.0	0.20 U	10.0 U	135.0000	--	--	400.0	6.8400	7	0.05 U	253	6.90	--	932
9/18/17	128.0	0.20 U	10.0 U	128.0000	--	--	260.0	6.8200	7	0.05 U	322	7.03	--	733
3/27/18	45.4	0.20 U	10.0 U	125.0000	--	--	170.0	7.4700	7	0.05 U	148	7.18	--	618
9/11/18	346.0	0.20 U	14.6	91.7000	--	--	412.0	5.8100	6	0.05 U	89	6.75	--	1111
4/16/19	660.0	1.99	38.0	112.0000	--	0	--	0.2000 U	--	--	39	6.88	7.05	1814

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-8 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
8/2/19	612.0	1.05	18.9	126.0000	--	0	--	0.2000 U	--	--	29	6.45	6.96	1
3/10/20	423.0	0.10 U	16.9	88.7000	--	3	--	14.1000	--	--	110	6.87	6.99	1195

Gude Landfill
Monitoring Location MW-8 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS								
7/30/10	--	--	3.0 U	--	--	--	--	--
9/14/10	--	55.0	--	--	696	--	1227.0	--
4/25/11	--	68.5	--	--	1136	--	22.7	--
9/19/11	--	72.6	--	--	1016	--	--	--
3/8/12	--	67.4	--	--	776	--	--	--
9/17/12	--	69.0	--	--	712	--	--	--
3/28/13	--	95.1	--	14.6	642	--	--	8.7
9/23/13	--	57.6	--	16.8	520	--	--	--
3/12/14	--	136.0	--	14.3	740	--	--	35.2
9/8/14	--	92.7	--	15.6	624	--	--	11.6
3/18/15	--	120.0	--	8.5	656	--	--	7.5
8/31/15	--	69.3	--	17.3	483	--	--	2.9
3/23/16	--	169.0	--	14.8	742	--	--	0.0
8/29/16	--	111.0	--	19.0	588	--	--	1.5
3/6/17	--	130.0	--	12.9	643	--	--	19.4
9/18/17	--	84.6	--	18.8	528	--	--	410.0
3/27/18	--	53.3	--	14.3	417	--	--	11.8
9/11/18	--	103.0	--	16.9	684	--	--	0.0
4/16/19	1480	60.8	--	10.8	917	2.7	3.2	3.1

Gude Landfill
Monitoring Location MW-8 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/2/19	1470	64.4	--	14.7	868	2.3 J	2.6	0.0
3/10/20	1250	59.6	--	16.1	762	11.6	2.9	7.0

Gude Landfill
Monitoring Location MW-8 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.169	0.005 U	0.005 U	120.0	0.01 U	0.01 U	0.009	1.1	0.005 U	84.1	0.183	0.0002 U
9/19/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.124	0.005 U	0.005 U	71.7	0.01 U	0.01 U	0.005 U	0.4	0.005 U	42.8	0.005 U	0.0002 U
9/17/12	0.005 U	0.005 U	0.121	0.005 U	0.005 U	67.8	0.01 U	0.01 U	0.005 U	0.3	0.005 U	41.3	0.342	0.0002 U
3/28/13	0.005 U	0.005 U	0.118	0.005 U	0.005 U	64.7	0.01 U	0.01 U	0.013	0.5	0.005 U	31.4	0.032	0.0002 U
9/23/13	0.005 U	0.005 U	0.147	0.005 U	0.005 U	46.7	0.01 U	0.01 U	0.005	0.3	0.005 U	27.1	0.170	0.0002 U
3/12/14	0.005 U	0.005 U	0.110	0.005 U	0.005 U	86.4	0.01 U	0.01 U	0.005 U	0.5	0.005 U	47.5	0.005 U	0.0002 U
9/8/14	0.005 U	0.005 U	0.121	0.005 U	0.005 U	62.1	0.01 U	0.01 U	0.006	0.4	0.005 U	36.4	0.005 U	0.0002 U
3/18/15	0.002 U	0.002 U	0.089	0.002 U	0.004 U	88.0	0.01 J	0.01 U	0.002 J	0.0 U	0.002 U	48.0	0.005 U	0.0002 U
8/31/15	0.001 U	0.001 U	0.092	0.001 U	0.001 U	57.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	30.0	0.010 U	0.0002 U
3/23/16	0.002 U	0.002 U	0.084	0.002 U	0.002 U	98.5	0.00 U	0.00 U	0.002 U	0.7	0.002 U	53.4	0.004	0.0002 U
8/29/16	0.002 U	0.002 U	0.080	0.002 U	0.002 U	58.6	0.00 U	0.00 U	0.003	0.3	0.002 U	34.2	0.004	0.0002 U
3/6/17	0.002 U	0.002 U	0.078	0.002 U	0.002 U	78.6	0.00	0.00 U	0.007	0.5	0.002 U	42.7	0.105	0.0002 U
3/27/18	0.002 U	0.002 U	0.041	0.002 U	0.002 U	36.7	0.00	0.00 U	0.002 U	0.2 U	0.002 U	18.3	0.005	0.0002 U
9/11/18	0.002 U	0.002 U	0.096	0.002 U	0.002 U	93.3	0.01	0.00 U	0.002	0.1 U	0.002 U	45.9	0.006	0.0002 U

Gude Landfill

Monitoring Location MW-8 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	20.1	0.005 U	0.01 U	130.0	0.005 U	0.01 U	0.008
9/19/11	0.01	--	--	--	--	--	--	--
3/8/12	0.01	11.6	0.005 U	0.01 U	113.0	0.005 U	0.01 U	0.005 U
9/17/12	0.08	11.5	0.005	0.01 U	114.0	0.005 U	0.01 U	0.016
3/28/13	0.01 U	13.7	0.005 U	0.01 U	88.8	0.005 U	0.01 U	0.007
9/23/13	0.02	8.2	0.005 U	0.01 U	99.5	0.005 U	0.01 U	0.031
3/12/14	0.01	13.0	0.005 U	0.01 U	81.5	0.005 U	0.01 U	0.006
9/8/14	0.01 U	11.0	0.005 U	0.01 U	88.8	0.005 U	0.01 U	0.009
3/18/15	0.01 J	11.0	0.035 U	0.01 U	72.0	0.002 U	0.01 U	0.010 U
8/31/15	0.01 U	9.8	0.005 U	0.00 U	85.0	0.001 U	0.01 U	0.005 U
3/23/16	0.00	12.0	0.003	0.00 U	86.3	0.001 U	0.00 U	0.002 U
8/29/16	0.00	9.4	0.002	0.00 U	78.5	0.001 U	0.00 U	0.003
3/6/17	0.01	10.4	0.003	0.00 U	83.8	0.001 U	0.00	0.010
3/27/18	0.00	8.4	0.003	0.00 U	63.7	0.001 U	0.00 U	0.006
9/11/18	0.00	12.8	0.003	0.00 U	70.3	0.001 U	0.00	0.002

Gude Landfill
Monitoring Location MW-8 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/30/10	0.0010 U	0.0041	0.2900	0.0032	0.0010 U	--	0.0710	0.1100	0.0780	--	0.0270	--
9/14/10	0.0050 U	0.0050 U	0.2730	0.0050 U	0.0050 U	59.0	0.0215	0.0816	0.0540	15.1	0.0100	36.900
4/25/11	0.0050 U	0.0050 U	0.1770	0.0050 U	0.0050 U	114.0 J	0.0050 U	0.0050 U	0.0145	1.7	0.0050 U	90.900
9/19/11	0.0050 U	0.0050 U	0.1090	0.0050 U	0.0050 U	76.2	0.0050 U	0.0050 U	0.0067	0.7	0.0050 U	50.200
3/8/12	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	70.1	0.0050 U	0.0050 U	0.0081	1.2	0.0050 U	40.500
9/17/12	0.0050 U	0.0050 U	0.4190	0.0050 U	0.0050 U	67.4	0.0654	0.0838	0.1310	46.3	0.0270	39.600
3/28/13	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	67.5	0.0050 U	0.0050 U	0.0134	0.5	0.0050 U	33.900
9/23/13	0.0050 U	0.0050 U	0.1560	0.0050 U	0.0050 U	46.9	0.0221	0.0050 U	0.0107	1.6	0.0050 U	27.100
3/12/14	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	87.3	0.0050 U	0.0050 U	0.0069	1.3	0.0050 U	46.000
9/8/14	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	64.0	0.0050 U	0.0050 U	0.0061	0.5	0.0050 U	37.700
3/18/15	0.0020 U	0.0020 U	0.0890	0.0020 U	0.0040 U	88.0	0.0140	0.0100 U	0.0029 J	0.0 U	0.0020 U	48.000
8/31/15	0.0010 U	0.0010 U	0.0940	0.0010 U	0.0005 U	56.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U	32.000
3/23/16	0.0020 U	0.0020 U	0.0856	0.0020 U	0.0020 U	97.3	0.0020 U	0.0020 U	0.0023	0.7	0.0020 U	52.600
8/29/16	0.0020 U	0.0020 U	0.0804	0.0020 U	0.0020 U	56.8	0.0020 U	0.0020 U	0.0026	0.4	0.0020 U	32.800
3/6/17	0.0050 U	0.0050 U	0.0942	0.0050 U	0.0050 U	79.2	0.0050 U	0.0064	0.0179	2.1	0.0050 U	41.800
9/18/17	0.0050 U	0.0050 U	0.1760	0.0050 U	0.0050 U	56.2	0.0290	0.0368	0.0574	22.5	0.0107	32.200
3/27/18	0.0050 U	0.0050 U	0.0476	0.0050 U	0.0050 U	38.7	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	18.800
9/11/18	0.0050 U	0.0050 U	0.0989	0.0050 U	0.0050 U	91.1	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	44.800
4/16/19	0.0010 U	0.0010 U	0.1320	0.0010 U	0.0010 U	109.0	0.0021	0.0184	0.0054	1.1	0.0010 U	96.700
8/2/19	0.0010 U	0.0010 U	0.1460	0.0010 U	0.0010 U	99.6	0.0010 U	0.0204	0.0034	0.4	0.0010 U	84.200
3/10/20	0.0010 U	0.0010 U	0.1000	0.0010 U	0.0010 U	88.9	0.0036	0.0010 U	0.0012	0.1	0.0010 U	73.800

Gude Landfill

Printed 5/20/20

Monitoring Location MW-8 - Total Metals

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/30/10	--	0.0002 U	0.1000	--	0.0007 J	0.0010 U	--	0.0010 U	0.0050 U	0.0470	0.2800
9/14/10	3.460	0.0002 U	0.0534	10.40	0.0050 U	0.0050 U	104.0	0.0050 U	--	0.0366	0.1600
4/25/11	0.144	0.0002 U	0.0082	19.10 J	0.0050 U	0.0050 U	139.0 J	0.0050 U	--	0.0050 U	0.0143
9/19/11	0.090	0.0002 U	--	14.00	0.0050 U	0.0050 U	124.0	0.0050 U	--	0.0050 U	0.0109
3/8/12	0.010	0.0002 U	0.0056	11.80	0.0050 U	0.0050 U	106.0	0.0050 U	--	0.0050 U	0.0104
9/17/12	2.360	0.0002 U	0.0155	12.90	0.0076	0.0050 U	102.0	0.0100 U	--	0.0874	0.2200
3/28/13	0.034	0.0002 U	0.0050 U	13.60	0.0050 U	0.0050 U	95.7	0.0050 U	--	0.0050 U	0.0071
9/23/13	0.182	0.0002 U	0.0104	8.00	0.0050 U	0.0050 U	100.0	0.0050 U	--	0.0050 U	0.0311
3/12/14	0.011	0.0002 U	0.0075	12.70	0.0050 U	0.0050 U	78.8	0.0050 U	--	0.0050 U	0.0085
9/8/14	0.011	0.0002 U	0.0050 U	10.80	0.0050 U	0.0050 U	91.5	0.0050 U	--	0.0050 U	0.0093
3/18/15	0.005 U	0.0002 U	0.0110 U	11.00	0.0350 U	0.0100 U	71.0	0.0020 U	--	0.0100 U	0.0100 U
8/31/15	0.010 U	0.0002 U	0.0100 U	9.70	0.0050 U	0.0010 U	85.0	0.0010 U	--	0.0050 U	0.0050 U
3/23/16	0.005	0.0002 U	0.0036	11.90	0.0023	0.0020 U	87.0	0.0010 U	--	0.0020 U	0.0020 U
8/29/16	0.024	0.0002 U	0.0024	8.84	0.0020 U	0.0020 U	69.8	0.0010 U	--	0.0020 U	0.0032
3/6/17	0.192	0.0002 U	0.0097	10.70	0.0050 U	0.0050 U	82.6	0.0050 U	--	0.0060	0.0180
9/18/17	1.160	0.0002 U	0.0373	9.48	0.0050 U	0.0050 U	72.2	0.0050 U	--	0.0351	0.1120
3/27/18	0.020	0.0002 U	0.0050 U	8.66	0.0050 U	0.0050 U	68.3	0.0050 U	--	0.0050 U	0.0326
9/11/18	0.007	0.0002 U	0.0050 U	13.30	0.0050 U	0.0050 U	69.5	0.0050 U	--	0.0050 U	0.0050 U
4/16/19	1.340	0.0001 U	0.0069	12.90	0.0010 U	0.0010 U	84.8 B	0.0010 U	--	0.0010	0.0061
8/2/19	1.270	0.0001 U	0.0060	12.50	0.0010 U	0.0010 U	90.5	0.0010 U	--	0.0010 U	0.0040 U
3/10/20	0.005	0.0001 U	0.0044	11.80	0.0010 U	0.0010 U	82.2	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-8 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.51 J	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 5/20/20

3/10/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U	1,1,1-Trichloroethane (ug/L)	1.00 U	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U	1,1,2-Trichloroethane (ug/L)	1.00 U	1,1-Dichloroethane (ug/L)	1.00 U	1,1-Dichloroethene (ug/L)	1.00 U	1,1-Dichloropropene (ug/L)	1.00 U	1,2,3-Trichlorobenzene (ug/L)	--	1,2,3-Trichloropropane (ug/L)	1.00 U	1,2,4-Trimethylbenzene (ug/L)	--	1,2-Dibromo-3-chloropropane (ug/L)	1.00 U	1,2-Dibromoethane (ug/L)	1.00 U	1,2-Dichlorobenzene (ug/L)	1.0 U	1,2-Dichloroethane (ug/L)	1.00 U	1,2-Dichloropropane (ug/L)	1.00 U
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Gude Landfill

Printed 5/20/20

Monitoring Location MW-8 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	1.41 J	--	2 U	--	2.00 U	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	8.60	--	5 U	--	1.00 U	--	1.00 U
9/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	4.03	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.45	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	10.20	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.10	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	1.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.90 J	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.51 J	2.0 U	2.00 U	1.98 J	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1.00 U	1.0 U	1.00 U	3.70	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.88	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.50	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 5/20/20

Compound	Concentration (ug/L)	Unit
Bromodichloromethane	1.00	U
Bromoform	1.00	U
Bromomethane	1.00	U
Carbon Disulfide	1.00	U
Carbon Tetrachloride	1.00	U
Chlorobenzene	1.00	U
Chloroethane	1.0	U
Chloroform	1.00	U
Chloromethane	1.00	U
Chloroprene	1	U
cis-1,2-Dichloroethene	1.00	U
cis-1,3-Dichloropropene	1.00	U
Dibromochloromethane	1.00	U
Dichlorodifluoromethane	--	
Ethyl Methacrylate	5	U
Ethylbenzene	1.00	U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-8 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/30/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/14/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/2/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 5/20/20

3/10/20	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-8 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	2.80	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.37	1.00 U	5 U	1.00 U	--
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.24	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill Monitoring Location MW-8 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	-

Gude Landfill
Monitoring Location MW-9 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	64.0	0.20 U	10.0 U	11.9000	--	--	80.0	1.2500	1	0.05 U	--	--	--	--	--
4/21/11	110.0	0.20 U	10.0 U	10.9000 J	--	--	48.0	1.2500	1	0.05 U	--	--	--	--	--
9/8/11	44.0	0.20 U	10.0 U	12.3000	--	--	140.0	1.1400	1	0.05 U	--	--	--	--	--
3/8/12	34.0	0.20 U	10.0 U	12.1000	--	--	50.0	1.4700	1	0.05 U	--	--	--	--	--
9/12/12	37.0	0.20 U	10.0 U	13.6000	--	--	84.0	1.1800	1	0.05 U	--	--	--	--	--
4/1/13	33.0	0.20 U	10.0 U	12.9000	--	3	46.0	1.4500	1	0.05 U	514	5.42	--	120	--
9/17/13	28.0	0.20 U	10.0 U	13.9000	--	3	48.0	1.4900	2	0.05 U	450	5.05	--	70	--
3/13/14	35.0	0.20 U	10.0 U	152.0000	--	4	68.0	1.3600	--	--	468	5.07	--	580	--
9/10/14	30.0	0.20 U	10.0 U	15.7000	--	5	46.0	1.2600	1	0.05 U	377	5.50	--	108	--
3/24/15	28.0	0.20 U	10.0 U	70.3000	--	5	36.0	0.8390	1	0.05 U	407	5.70	--	270	--
9/8/15	28.0	0.20 U	10.0 U	13.7000	--	--	46.0	1.2100	1	0.05 U	382	5.16	--	102	--
3/23/16	51.0	0.20 U	10.0 U	63.3000	--	0	124.0	1.1200	1	0.05 U	432	5.57	--	238	--
9/6/16	38.0	0.20 U	10.0 U	13.7000	--	--	72.0	1.2700	1	0.05 U	400	4.97	--	112	--
3/13/17	46.0	0.20 U	10.0 U	15.3000	--	--	72.0	0.9410	1	0.05 U	475	5.30	--	99	--
9/19/17	45.0	0.20 U	10.0 U	16.3000	--	--	62.0	1.0700	1	0.05 U	451	5.23	--	113	--
3/29/18	25.7	0.20 U	10.0 U	15.9000	--	--	100.0	1.4200	1	0.05 U	313	5.25	--	102	--
9/11/18	22.0	0.20 U	10.0 U	16.8000	--	5	42.3	1.4500	1	0.05 U	242	5.15	--	110	--
4/16/19	20.1	0.10 U	9.0	22.9000	--	5	--	1.4000	--	--	205	5.26	5.65	159	123

Gude Landfill
Monitoring Location MW-9 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	18.6	0.12	4.2	44.1000	--	6	--	1.7000	--	--	269	4.76	5.48	0	199
3/17/20	17.8	0.10 U	5.2	22.0000	--	6	--	1.3100	--	--	229	5.05	5.49	186	128

Gude Landfill
Monitoring Location MW-9 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	4.0 U	--	--	168	--	1160.0	--
4/21/11	4.0 U	--	--	172	--	398.0	--
9/8/11	4.0 U	--	--	116	--	--	--
3/8/12	4.0 U	--	--	80	--	--	--
9/12/12	4.0 U	--	--	112	--	--	--
4/1/13	4.0 U	--	17.3	196	--	--	446.0
9/17/13	4.0 U	--	16.7	96	--	--	1235.0
3/13/14	4.0 U	--	15.6	370	--	--	644.0
9/10/14	4.0 U	--	19.8	72	--	--	500.0
3/24/15	4.0 U	--	7.1	188	--	--	154.3
9/8/15	4.0 U	--	22.1	34	--	--	18.8
3/23/16	4.0 U	--	23.2	147	--	--	40.9
9/6/16	4.0 U	--	35.1	91	--	--	16.3
3/13/17	4.0 U	--	12.3	124	--	--	19.9
9/19/17	4.0 U	--	23.2	94	--	--	269.0
3/29/18	4.0 U	--	15.2	55	--	--	3.6
9/11/18	4.0 U	--	20.9	81	--	--	17.9
4/16/19	1.0 U	--	19.8	84	51.3	28.2	8.3

Gude Landfill
Monitoring Location MW-9 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	1.0 U	--	18.9	136	26.2	159.0	126.0
3/17/20	1.0 U	--	20.6	85	473.0	165.0	92.7

Gude Landfill
Monitoring Location MW-9 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.051	0.005 U	0.005 U	12.0	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	5.2	0.289	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.051	0.005 U	0.005 U	9.9	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.8	0.157	0.0002 U
9/12/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/1/13	0.005 U	0.005 U	0.036	0.005 U	0.005 U	40.4	0.01 U	0.01 U	0.012	0.3	0.005 U	24.0	0.140	0.0002 U
9/17/13	0.005 U	0.005 U	0.051	0.005 U	0.005 U	10.8	0.01 U	0.01 U	0.006	0.2 U	0.005 U	6.7	0.123	0.0002 U
3/13/14	0.005 U	0.005 U	0.183	0.005 U	0.005 U	11.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	6.3	0.115	0.0002 U
9/10/14	0.005 U	0.005 U	0.052	0.005 U	0.005 U	7.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.9	0.050	0.0002 U
3/24/15	0.002 U	0.002 U	0.046	0.002 U	0.004 U	2.3	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	2.6	0.027	0.0002 U
9/8/15	0.000 J	0.000 J	0.039	0.000 J	0.000 J	6.5	0.00 J	0.00 J	0.000 J	0.0 U	0.000 J	4.5	0.035	0.0002 U
3/23/16	0.002 U	0.002 U	0.070	0.002 U	0.002 U	5.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.2	0.030	0.0002 U
9/6/16	0.002 U	0.002 U	0.042	0.002 U	0.002 U	7.1	0.00	0.00 U	0.002 U	0.2 U	0.002 U	4.9	0.029	0.0002 U
3/13/17	0.002 U	0.002 U	0.044	0.002 U	0.002 U	9.0	0.00	0.00 U	0.007	0.2 U	0.002 U	5.1	0.028	0.0002 U
9/19/17	0.002 U	0.002 U	0.044	0.002 U	0.002 U	9.6	0.00	0.00 U	0.002 U	0.2 U	0.002 U	5.1	0.016	0.0002 U
3/29/18	0.002 U	0.002 U	0.039	0.002 U	0.002 U	9.4	0.01	0.00 U	0.002 U	0.2 U	0.002 U	5.6	0.019	0.0002 U
9/11/18	0.002 U	0.002 U	0.044	0.002 U	0.002 U	7.0	0.00	0.00 U	0.002 U	0.1 U	0.002 U	5.1	0.032	0.0002 U

Gude Landfill

Monitoring Location MW-9 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	1.3	0.005 U	0.01 U	3.6	0.005 U	0.01 U	0.008
9/8/11	0.01 U	--	--	--	--	--	--	--
3/8/12	0.01	1.1	0.005 U	0.01 U	3.7	0.005 U	0.01 U	0.011
9/12/12	0.03	--	--	--	--	--	--	--
4/1/13	0.02	3.1	0.005 U	0.01 U	32.6	0.005 U	0.01 U	0.006
9/17/13	0.02	1.0	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.023
3/13/14	0.01	0.2 U	0.005 U	0.01 U	58.6	0.005 U	0.01 U	0.015
9/10/14	0.01 U	1.0	0.005 U	0.01 U	10.4	0.005 U	0.01 U	0.017
3/24/15	0.01 U	1.1	0.035 U	0.01 U	56.0	0.002 U	0.01 U	0.007 U
9/8/15	0.00 J	0.9	0.000 J	0.00 J	8.4	0.000 J	0.00 J	0.006
3/23/16	0.00	1.1	0.002 U	0.00 U	39.9	0.001 U	0.00 U	0.009
9/6/16	0.00	0.7	0.002 U	0.00 U	5.7	0.001 U	0.00 U	0.007
3/13/17	0.00 U	0.8	0.002 U	0.00 U	4.2	0.001 U	0.00 U	0.007
9/19/17	0.00 U	0.7	0.002 U	0.00 U	3.4	0.001 U	0.00 U	0.007
3/29/18	0.00	0.8	0.002 U	0.00 U	3.8	0.001 U	0.00 U	0.012
9/11/18	0.00	0.9	0.002 U	0.00 U	5.2	0.001 U	0.00 U	0.014

Gude Landfill
Monitoring Location MW-9 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0038	0.2000	0.0007 J	0.0010 U	--	0.1400	0.0280	0.0350	--	0.0260	--
9/23/10	0.0050 U	0.0050 U	0.3340	0.0050 U	0.0050 U	15.8	0.0588	0.0341	0.0339	48.6	0.0373	24.400
4/21/11	0.0050 U	0.0050 U	0.1560	0.0050 U	0.0050 U	14.9	0.0320	0.0160	0.0174	16.7 J	0.0132	13.200
9/8/11	0.0050 U	0.0050 U	0.1720	0.0050 U	0.0050 U	12.4	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0124	6.900
3/8/12	0.0050 U	0.0050 U	0.0682	0.0050 U	0.0050 U	10.5	0.0090	0.0050 U	0.0083	3.1	0.0050 U	7.220
9/12/12	0.0050 U	0.0050 U	1.3300	0.0050 U	0.0050 U	17.5	0.0384	0.0603	0.0369	26.2	0.0544	15.900
4/1/13	0.0050 U	0.0050 U	0.0722	0.0050 U	0.0050 U	12.0	0.0270	0.0057	0.0196	6.4	0.0050 U	8.440
9/17/13	0.0050 U	0.0050 U	0.1150	0.0050 U	0.0050 U	11.0	0.0263	0.0087	0.0170	14.7	0.0109	11.800
3/13/14	0.0050 U	0.0050 U	0.3380	0.0050 U	0.0050 U	14.8	0.0363	0.0138	0.0177	22.2	0.0137	15.700
9/10/14	0.0050 U	0.0050 U	0.6880	0.0055	0.0050 U	10.1	0.1280	0.0684	0.0508	86.7	0.0648	38.200
3/24/15	0.0020 U	0.0020 U	0.0690	0.0020 U	0.0040 U	4.6	0.0044 J	0.0100 U	0.0043 J	3.0	0.0018 J	4.500
9/8/15	0.0010 U	0.0010 U	0.0430	0.0010 U	0.0005 U	6.4	0.0050 U	0.0050 U	0.0050 U	0.8	0.0010 U	4.700
3/23/16	0.0050 U	0.0050 U	0.0777	0.0050 U	0.0050 U	8.4	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	6.340
9/6/16	0.0020 U	0.0020 U	0.0434	0.0020 U	0.0020 U	6.8	0.0024	0.0020 U	0.0020 U	0.2 U	0.0020 U	4.880
3/13/17	0.0020 U	0.0020 U	0.0445	0.0020 U	0.0020 U	9.3	0.0031	0.0020 U	0.0020 U	0.2 U	0.0020 U	5.090
9/19/17	0.0050 U	0.0050 U	0.1850	0.0050 U	0.0050 U	12.4	0.0356	0.0124	0.0348	22.8	0.0146	14.300
3/29/18	0.0020 U	0.0020 U	0.0405	0.0020 U	0.0020 U	9.7	0.0045	0.0020 U	0.0062	0.2 U	0.0020 U	5.610
9/11/18	0.0050 U	0.0050 U	0.0458	0.0050 U	0.0050 U	8.2	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	5.310
4/16/19	0.0010 U	0.0010 U	0.0527	0.0010 U	0.0010 U	4.8	0.0131	0.0030	0.0053	4.2	0.0031	5.520
8/8/19	0.0010 U	0.0010 U	0.1140	0.0010 U	0.0010 U	10.1	0.0360	0.0076	0.0078 B	11.3	0.0079	12.600
3/17/20	0.0010 U	0.0012	0.1530	0.0012	0.0010 U	6.2	0.0520	0.0198	0.0174	22.6	0.0137	13.700

Gude Landfill
Monitoring Location MW-9 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.1100	--	0.0010 U	0.0010 U	--	0.0007 J	0.0050 U	0.0630	0.1300
9/23/10	1.800	0.0002 U	0.0553	17.80	0.0050 U	0.0050 U	7.2	0.0050 U	--	0.0541	0.1890
4/21/11	0.689	0.0002 U	0.0274	7.41	0.0050 U	0.0050 U	3.8	0.0050 U	--	0.0285	0.0777
9/8/11	0.196	0.0004	--	1.54	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0050 U	0.0166
3/8/12	0.242	0.0002 U	0.0050 U	2.09	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.0050 U	0.0242
9/12/12	3.190	0.0004	--	9.63	0.0088	0.0050 U	3.8	0.0050 U	--	0.0306	0.1570
4/1/13	0.273	0.0002 U	0.0095	3.45	0.0050 U	0.0050 U	8.0	0.0050 U	--	0.0076	0.0363
9/17/13	0.415	0.0002 U	0.0058	5.40	0.0050 U	0.0050 U	4.1	0.0050 U	--	0.0167	0.0871
3/13/14	0.626	0.0002 U	0.0318	8.61	0.0050 U	0.0050 U	87.1	0.0050 U	--	0.0258	0.0867
9/10/14	2.560	0.0002 U	0.1090	30.30	0.0078	0.0050 U	9.4	0.0050 U	--	0.1170	0.3980
3/24/15	0.088	0.0002 U	0.0052 J	1.80	0.0350 U	0.0100 U	50.0	0.0020 U	--	0.0100 U	0.0220
9/8/15	0.023	0.0002 U	0.0100 U	0.99	0.0050 U	0.0010 U	7.9	0.0010 U	--	0.0050 U	0.0094
3/23/16	0.056	0.0002 U	0.0050 U	1.60	0.0050 U	0.0050 U	41.8	0.0050 U	--	0.0050 U	0.0171
9/6/16	0.055	0.0002 U	0.0025	0.79	0.0020 U	0.0020 U	5.8	0.0010 U	--	0.0020 U	0.0087
3/13/17	0.028	0.0002 U	0.0020 U	0.77	0.0020 U	0.0020 U	4.1	0.0010 U	--	0.0020 U	0.0060
9/19/17	0.588	0.0002 U	0.0259	8.29	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0296	0.1150
3/29/18	0.018	0.0002 U	0.0022	0.81	0.0020 U	0.0020 U	3.9	0.0010 U	--	0.0020 U	0.0187
9/11/18	0.035	0.0002 U	0.0050 U	1.00	0.0050 U	0.0050 U	6.2	0.0050 U	--	0.0050 U	0.0132
4/16/19	0.115	0.0001 U	0.0105	1.95	0.0018	0.0010 U	13.1 B	0.0010 U	--	0.0058	0.0410
8/8/19	0.357	0.0002	0.0275	4.20	0.0022	0.0010 U	7.6	0.0010 U	--	0.0140	0.0842
3/17/20	0.733	0.0001 U	0.0433	8.30	0.0030	0.0010 U	5.1	0.0010 U	--	0.0272	0.2020

Gude Landfill

Printed 5/20/20

Monitoring Location MW-9 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 5/20/20

3/17/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,1-Trichloroethane (ug/L)	1.00 U
	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,2-Trichloroethane (ug/L)	1.00 U
	1,1-Dichloroethane (ug/L)	1.00 U
	1,1-Dichloroethene (ug/L)	1.00 U
	1,1-Dichloropropene (ug/L)	1.00 U
	1,2,3-Trichlorobenzene (ug/L)	--
	1,2,3-Trichloropropane (ug/L)	1.00 U
	1,2,4-Trimethylbenzene (ug/L)	--
	1,2-Dibromo-3-chloropropane (ug/L)	1.00 U
	1,2-Dibromoethane (ug/L)	1.00 U
	1,2-Dichlorobenzene (ug/L)	1.0 U
	1,2-Dichloroethane (ug/L)	1.00 U
	1,2-Dichloropropane (ug/L)	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-9 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	22.00	--	5 U	--	1.00	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.70	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/17/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.94	--	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-9 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/19/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/17/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-9 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	14.00	1.00 U	1.00 U	1.00 U	5.00 U	0.70 J	1.00 U	1 U	1.00 U	--
9/23/10	8.72	2.00 U	2.00 U	2.00 U	2.00 U	0.73 J	2.00 U	2 U	2.00 U	--
4/21/11	5.00	3.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1
9/8/11	16.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	14.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	13.60	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	16.40	1.00 U	1.00 U	1.00 U	5.00 U	1.11	1.00 U	5 U	1.00 U	--
9/17/13	12.90	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	16.50	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.94	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	5.10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	17.10	1.00 U	1.00 U	1.00 U	5.00 U	2.03	1.00 U	5 U	1.00 U	--
3/23/16	9.16	1.00 U	1.00 U	1.00 U	5.00 U	1.04	1.00 U	5 U	1.00 U	--
9/6/16	9.71	1.00 U	1.00 U	1.00 U	5.00 U	1.17	1.00 U	5 U	1.00 U	--
3/13/17	12.20	1.00 U	1.00 U	1.00 U	5.00 U	1.09	1.00 U	5 U	1.00 U	--
9/19/17	11.90	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/29/18	10.20	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	7.38	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/16/19	8.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	4.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill Monitoring Location MW-9 - Volatile Organic Compounds

Compound	Concentration (ug/L)	Notes
Tetrachloroethene (ug/L)	4.60	
Toluene (ug/L)	1.00	U
trans-1,2-Dichloroethene (ug/L)	1.00	U
trans-1,3-Dichloropropene (ug/L)	1.00	U
trans-1,4-Dichloro-2-butene (ug/L)	1.00	U
Trichloroethene (ug/L)	1.00	U
Trichlorofluoromethane (ug/L)	1.00	U
Vinyl Acetate (ug/L)	1	U
Vinyl Chloride (ug/L)	1.00	U
Xylene (ug/L)	--	

Gude Landfill
Monitoring Location MW-10 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	100.0	0.20 U	10.0 U	6.7500	--	--	110.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/26/11	75.0	0.20 U	36.6	19.4000 J	--	--	70.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/8/11	78.0	0.20 U	10.0 U	8.0200	--	--	72.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/8/12	65.0	0.20 U	4.4	8.3100	--	--	68.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/12/12	79.0	0.20 U	10.0 U	9.6000	--	--	82.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/1/13	59.0	0.20 U	10.0 U	6.7600	--	3	60.0	0.2000 U	0 U	0.05 U	466	5.95	--	165	--
9/24/13	86.0	0.20 U	10.0 U	7.9500	--	2	90.0	0.2000 U	0 U	0.05 U	436	5.90	--	183	--
3/13/14	68.0	0.20 U	10.0 U	6.9700	--	3	82.0	0.2000 U	--	--	531	5.62	--	148	--
9/10/14	4.6	0.20 U	10.0 U	283.0000	--	6	236.0	3.9100	4	0.05 U	415	5.16	--	984	--
3/24/15	61.0	0.20 U	10.0 U	6.2200	--	4	76.0	0.2000 U	0 U	0.05 U	407	5.95	--	132	--
9/8/15	62.0	0.20 U	10.0 U	8.6800	--	3	70.0	0.2000 U	0 U	0.05 U	347	5.73	--	163	--
3/23/16	50.0	0.20 U	10.0 U	6.2600	--	0	104.0	0.2000 U	0 U	0.05 U	381	6.08	--	135	--
9/6/16	66.0	0.20 U	10.0 U	8.1100	--	--	100.0	0.2000 U	0 U	0.05 U	388	5.70	--	157	--
3/9/17	64.0	0.20 U	10.0 U	6.9900	--	--	76.0	0.2000 U	0 U	0.05 U	395	5.77	--	153	--
9/19/17	80.0	0.20 U	10.0 U	6.1500	--	--	72.0	0.2000 U	0 U	0.05 U	411	6.08	--	162	--
4/5/18	58.1	0.20 U	10.0 U	4.6400	--	--	63.9	0.2000 U	0 U	0.05 U	249	5.82	--	131	--
9/12/18	35.8	0.20 U	10.0 U	2.5000 U	--	--	33.4	0.2000 U	0 U	0.05 U	243	5.59	--	94	--
4/19/19	60.6	0.10 U	5.0	2.8000	--	0	--	0.2000 U	--	--	139	5.87	6.07	109	147

Gude Landfill
Monitoring Location MW-10 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/9/19	31.7	0.10 U	7.0	2.2000	--	1	--	0.2000 U	--	--	207	5.64	6.11	0	80
3/16/20	34.5	0.17	3.0 U	2.0000	--	4	--	0.1600 J	--	--	176	5.66	6.15	122	97

Gude Landfill
Monitoring Location MW-10 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	7.6	--	--	148	--	4340.0	--
4/26/11	8.3	--	--	140	--	3140.0	--
9/8/11	7.8	--	--	140	--	--	--
3/8/12	8.0	--	--	116	--	--	--
9/12/12	7.4	--	--	160	--	--	--
4/1/13	8.4	--	14.3	162	--	--	203.0
9/24/13	6.5	--	13.8	142	--	--	1583.0
3/13/14	8.6	--	11.3	144	--	--	114.0
9/10/14	18.8	--	18.3	680	--	--	401.0
3/24/15	11.3	--	9.6	68	--	--	115.5
9/8/15	11.6	--	17.1	73	--	--	37.8
3/23/16	11.2	--	20.9	96	--	--	16.0
9/6/16	11.4	--	25.0	133	--	--	38.0
3/9/17	10.1	--	16.8	138	--	--	36.7
9/19/17	11.1	--	18.6	117	--	--	26.7
4/5/18	10.0	--	9.7	133	--	--	35.6
9/12/18	8.2	--	20.7	58	--	--	65.1
4/19/19	1.0 U	--	13.3	114	11.2	12.9	5.8

Gude Landfill
Monitoring Location MW-10 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/9/19	5.2	--	17.0	70	31.7	14.1	8.7
3/16/20	9.7	--	15.0	99	174.0	79.5	76.2

Gude Landfill
Monitoring Location MW-10 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.052	0.005 U	0.005 U	42.4	0.01 U	0.01 U	0.005 U	1.1	0.005 U	22.5	2.620	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.068	0.005 U	0.005 U	15.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.7	0.027	0.0002 U
9/12/12	0.005 U	0.005 U	0.080	0.005 U	0.005 U	19.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	9.6	0.027	0.0002 U
4/1/13	0.005 U	0.005 U	0.059	0.005 U	0.005 U	16.6	0.01 U	0.01 U	0.011	0.2 U	0.005 U	6.9	0.019	0.0002 U
9/24/13	0.005 U	0.005 U	0.084	0.005 U	0.005 U	19.6	0.01 U	0.01 U	0.007	0.2 U	0.005 U	10.3	0.027	0.0002 U
3/13/14	0.005 U	0.005 U	0.074	0.005 U	0.005 U	17.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	9.1	0.019	0.0002 U
9/10/14	0.005 U	0.005 U	0.521	0.005 U	0.005 U	50.0	0.01 U	0.01 U	0.006	0.3	0.005 U	23.8	0.038	0.0002 U
3/24/15	0.002 U	0.002 U	0.052	0.002 U	0.004 U	14.0	0.01 U	0.01 U	0.001 U	0.0 U	0.002 U	6.5	0.013	0.0002 U
9/8/15	0.001 U	0.001 U	0.066	0.001 U	0.001 U	17.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	6.9	0.016	0.0002 U
3/23/16	0.002 U	0.002 U	0.049	0.002 U	0.002 U	15.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	6.5	0.008	0.0002 U
9/6/16	0.002 U	0.002 U	0.075	0.002 U	0.002 U	15.7	0.00	0.00 U	0.003	0.6	0.002 U	7.0	0.031	0.0002 U
3/9/17	0.002 U	0.002 U	0.067	0.002 U	0.002 U	15.6	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	6.5	0.007	0.0002 U
9/19/17	0.002 U	0.002 U	0.063	0.002 U	0.002 U	14.8	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	5.9	0.008	0.0002 U
4/5/18	0.002 U	0.002 U	0.047	0.002 U	0.002 U	12.8	0.00	0.00 U	0.002 U	0.1 U	0.002 U	5.5	0.004	0.0002 U
9/12/18	0.002 U	0.002 U	0.021	0.002 U	0.002 U	7.3	0.00 U	0.00 U	0.002	0.1	0.002 U	4.4	0.012	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-10 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	2.8	0.005 U	0.01 U	17.5	0.005 U	0.01 U	0.006
9/8/11	0.01	--	--	--	--	--	--	--
3/8/12	0.01	1.1	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.011
9/12/12	0.02	1.4	0.005 U	0.01 U	11.3	0.005 U	0.01 U	0.012
4/1/13	0.01	1.1	0.005 U	0.01 U	11.8	0.005 U	0.01 U	0.011
9/24/13	0.06	1.7	0.005 U	0.01 U	12.0	0.005 U	0.01 U	0.016
3/13/14	0.01 U	1.1	0.005 U	0.01 U	11.1	0.005 U	0.01 U	0.056
9/10/14	0.01	3.3	0.005 U	0.01 U	91.2	0.005 U	0.01 U	0.019
3/24/15	0.01 U	1.0	0.035 U	0.01 U	8.7	0.002 U	0.01 U	0.028
9/8/15	0.00 J	1.1	0.005 U	0.00 U	9.2	0.001 U	0.01 U	0.004 J
3/23/16	0.00	1.0	0.002 U	0.00 U	8.8	0.001 U	0.00 U	0.012
9/6/16	0.00	1.1	0.002 U	0.00 U	8.6	0.001 U	0.00	0.011
3/9/17	0.00	0.9	0.002 U	0.00 U	8.1	0.001 U	0.00	0.005
9/19/17	0.00	1.0	0.002 U	0.00 U	7.8	0.001 U	0.00 U	0.007
4/5/18	0.00	0.9	0.002 U	0.00 U	8.1	0.001 U	0.00 U	0.011
9/12/18	0.00 U	1.0	0.002 U	0.00 U	7.5	0.001 U	0.00 U	0.024

Gude Landfill
Monitoring Location MW-10 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0009 J	0.0920	0.0010 U	0.0010 U	--	0.0070	0.0034	0.0190	--	0.0023	--
9/23/10	0.0050 U	0.0050 U	1.4900	0.0050 U	0.0050 U	29.1	0.1250	0.0659	0.1970	201.0	0.0611	78.300
4/26/11	0.0050 U	0.0050 U	0.1240	0.0050 U	0.0050 U	14.2 J	0.0050 U	0.0050 U	0.0123	0.5 U	0.0050 U	9.111
9/8/11	0.0050 U	0.0050 U	0.4140	0.0050 U	0.0050 U	21.2	0.0057	0.0103	0.0292	5.7	0.0153	10.700
3/8/12	0.0050 U	0.0050 U	0.1160	0.0050 U	0.0050 U	16.1	0.0102	0.0052	0.0270	9.0	0.0050 U	9.780
9/12/12	0.0050 U	0.0050 U	0.1570	0.0050 U	0.0050 U	21.1	0.0174	0.0067	0.0283	12.6	0.0050	11.200
4/1/13	0.0050 U	0.0050 U	0.0878	0.0050 U	0.0050 U	17.2	0.0081	0.0050 U	0.0254	5.5	0.0050 U	8.420
9/24/13	0.0050 U	0.0050 U	0.4480	0.0050 U	0.0050 U	23.3	0.0677	0.0308	0.1080	55.7	0.0181	26.400
3/13/14	0.0050 U	0.0050 U	0.1040	0.0050 U	0.0050 U	18.3	0.0050 U	0.0050 U	0.0139	4.3	0.0050 U	9.060
9/10/14	0.0050 U	0.0050 U	0.6820	0.0050 U	0.0050 U	50.6	0.0251	0.0139	0.0313	22.1	0.0185	30.600
3/24/15	0.0020 U	0.0020 U	0.0640	0.0020 U	0.0040 U	15.0	0.0036 J	0.0100 U	0.0051 J	2.0	0.0020 U	7.100
9/8/15	0.0010 U	0.0010 U	0.0710	0.0010 U	0.0005 U	16.0	0.0050 U	0.0050 U	0.0050 U	1.2	0.0010 U	6.900
3/23/16	0.0050 U	0.0050 U	0.0526	0.0050 U	0.0050 U	14.9	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	7.400
9/6/16	0.0020 U	0.0020 U	0.0688	0.0020 U	0.0020 U	15.9	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	6.840
3/9/17	0.0050 U	0.0050 U	0.0784	0.0050 U	0.0050 U	18.3	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U	7.800
9/19/17	0.0050 U	0.0050 U	0.0822	0.0050 U	0.0050 U	17.6	0.0050 U	0.0050 U	0.0096	1.2	0.0050 U	7.300
4/5/18	0.0050 U	0.0050 U	0.0652	0.0050 U	0.0050 U	15.0	0.0050 U	0.0050 U	0.0070	0.6	0.0050 U	6.420
9/12/18	0.0050 U	0.0050 U	0.0328	0.0050 U	0.0050 U	7.4	0.0050 U	0.0050 U	0.0159	1.9	0.0050 U	3.610
4/19/19	0.0010 U	0.0010 U	0.0373	0.0010 U	0.0010 U	12.2	0.0011	0.0021	0.0034	0.9	0.0010 U	5.670
8/9/19	0.0010 U	0.0010 U	0.0210	0.0010 U	0.0010 U	4.4	0.0021	0.0010 U	0.0076	0.5	0.0010 U	2.310
3/16/20	0.0010 U	0.0010 U	0.0988	0.0010 U	0.0010 U	8.1	0.0242	0.0062	0.0278	11.2	0.0053	7.570

Gude Landfill
Monitoring Location MW-10 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0086	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0180	0.0280
9/23/10	3.590	0.0002 U	0.1110	43.50	0.0085	0.0050 U	12.4	0.0050 U	--	0.1890	0.3370
4/26/11	0.044	0.0002 U	0.0050 U	1.26	0.0050 U	0.0050 U	10.1	0.0050 U	--	0.0050 U	0.1320
9/8/11	0.380	0.0002 U	--	2.12	0.0050 U	0.0050 U	8.3	0.0050 U	--	0.0094	0.0575
3/8/12	0.158	0.0002 U	0.0050 U	2.78	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0242	0.0335
9/12/12	0.212	0.0002 U	0.0064	3.27	0.0050 U	0.0050 U	9.1	0.0050 U	--	0.0319	0.0444
4/1/13	0.098	0.0002 U	0.0050	2.29	0.0050 U	0.0050 U	12.4	0.0050 U	--	0.0143	0.0272
9/24/13	0.931	0.0002 U	0.0066	11.30	0.0050 U	0.0050 U	9.5	0.0050 U	--	0.1240	0.1900
3/13/14	0.069	0.0002 U	0.0074	1.81	0.0050 U	0.0050 U	9.1	0.0050 U	--	0.0107	0.0606
9/10/14	0.580	0.0002 U	0.0254	6.43	0.0050 U	0.0050 U	90.2	0.0050 U	--	0.0273	0.0898
3/24/15	0.036	0.0002 U	0.0062 J	1.30	0.0350 U	0.0100 U	8.8	0.0020 U	--	0.0055 J	0.0350
9/8/15	0.010 J	0.0002 U	0.0100 U	1.30	0.0050 U	0.0010 U	8.8	0.0010 U	--	0.0050 U	0.0073
3/23/16	0.015	0.0002 U	0.0050 U	1.02	0.0050 U	0.0050 U	9.9	0.0050 U	--	0.0050 U	0.0149
9/6/16	0.021	0.0002 U	0.0039	1.09	0.0020 U	0.0020 U	8.6	0.0010 U	--	0.0029	0.0095
3/9/17	0.024	0.0002 U	0.0054	1.30	0.0050 U	0.0050 U	9.2	0.0050 U	--	0.0050 U	0.0107
9/19/17	0.039	0.0002 U	0.0050 U	1.19	0.0050 U	0.0050 U	9.0	0.0050 U	--	0.0050 U	0.0331
4/5/18	0.024	0.0002 U	0.0050 U	1.03	0.0050 U	0.0050 U	8.9	0.0050 U	--	0.0050 U	0.0421
9/12/18	0.044	0.0002 U	0.0050 U	2.39	0.0050 U	0.0050 U	7.4	0.0050 U	--	0.0050 U	0.0451
4/19/19	0.221	0.0001 U	0.0034	1.43	0.0010 U	0.0010 U	8.1	0.0010 U	--	0.0020	0.1650
8/9/19	0.033	0.0001 U	0.0036 B	1.33	0.0010 U	0.0010 U	5.1	0.0010 U	--	0.0037	0.0456
3/16/20	0.187	0.0001 U	0.0168	2.98	0.0012	0.0010 U	6.6	0.0010 U	--	0.0280	0.0783

Gude Landfill

Printed 5/20/20

Monitoring Location MW-10 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location MW-10 - Volatile Organic Compounds

3/16/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U	1,1,1-Trichloroethane (ug/L)	1.00 U	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U	1,1,2-Trichloroethane (ug/L)	1.00 U	1,1-Dichloroethane (ug/L)	1.00 U	1,1-Dichloroethene (ug/L)	1.00 U	1,1-Dichloropropene (ug/L)	1.00 U	1,2,3-Trichlorobenzene (ug/L)	--	1,2,3-Trichloropropane (ug/L)	1.00 U	1,2,4-Trimethylbenzene (ug/L)	--	1,2-Dibromo-3-chloropropane (ug/L)	1.00 U	1,2-Dibromoethane (ug/L)	1.00 U	1,2-Dichlorobenzene (ug/L)	1.0 U	1,2-Dichloroethane (ug/L)	1.00 U	1,2-Dichloropropane (ug/L)	1.00 U
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Gude Landfill

Printed 5/20/20

Monitoring Location MW-10 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	24.00	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/19/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/9/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-10 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-10 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	5.20	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-10 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-10 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/24/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/19/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill
Monitoring Location MW-10 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 5/20/20

Monitoring Location MW-10 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.99	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill Monitoring Location MW-10 - Volatile Organic Compounds

Compound (ug/L)	3/16/20
Tetrachloroethene (ug/L)	1.00 U
Toluene (ug/L)	1.00 U
trans-1,2-Dichloroethene (ug/L)	1.00 U
trans-1,3-Dichloropropene (ug/L)	1.00 U
trans-1,4-Dichloro-2-butene (ug/L)	1.00 U
Trichloroethene (ug/L)	1.00 U
Trichlorofluoromethane (ug/L)	1.00 U
Vinyl Acetate (ug/L)	1 U
Vinyl Chloride (ug/L)	1.00 U
Xylene (ug/L)	-

Gude Landfill Monitoring Location MW-11A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	50.0	0.20 U	10.0 U	4.2200	--	--	90.0	1.4774	1	0.01 J	--	--	--	--	--
4/26/11	27.0	0.20 U	10.0 U	10.9000 J	--	--	36.0	1.1000	1	0.05 U	--	--	--	--	--
9/8/11	40.0	0.20 U	10.0 U	4.5200	--	--	54.0	1.9400	2	0.05 U	--	--	--	--	--
3/8/12	33.0	0.20 U	10.0 U	4.1700	--	--	52.0	1.2900	1	0.05 U	--	--	--	--	--
9/12/12	37.0	0.20 U	10.0 U	5.1000	--	--	80.0	2.2500	2	0.05 U	--	--	--	--	--
4/1/13	29.0	0.20 U	10.0 U	4.9900	--	6	46.0	1.8700	2	0.05 U	472	5.78	--	111	--
9/24/13	33.0	0.20 U	10.0 U	5.1400	--	4	60.0	2.5700	3	0.05 U	437	5.72	--	112	--
3/13/14	16.2	0.20 U	10.0 U	4.2100	--	8	200.0	1.0900	--	--	489	5.54	--	77	--
9/10/14	31.0	0.20 U	10.0 U	4.9700	--	6	58.0	2.3400	2	0.05 U	409	5.76	--	101	--
3/24/15	23.0	0.20 U	10.0 U	4.8700	--	8	44.0	1.2200	1	0.05 U	306	5.70	--	57	--
9/8/15	37.0	0.20 U	10.0 U	7.0200	--	--	54.0	3.5700	4	0.05 U	360	5.53	--	126	--
3/23/16	25.0	0.20 U	10.0 U	6.5600	--	6	88.0	1.9900	2	0.05 U	399	5.80	--	97	--
9/6/16	33.0	0.20 U	10.0 U	7.7100	--	4	84.0	3.4100	3	0.05 U	426	5.51	--	119	--
3/9/17	35.0	0.20 U	10.0 U	7.9800	--	--	70.0	3.3000	3	0.05 U	452	5.39	--	112	--
9/18/17	30.0	0.20 U	10.0 U	7.1500	--	5	52.0	3.2900	3	0.05 U	446	5.65	--	118	--
4/5/18	22.7	0.20 U	10.0 U	6.7100	--	--	44.4	2.2500	2	0.05 U	280	5.68	--	63	--
9/12/18	16.1	0.20 U	10.0 U	4.8500	--	--	32.2	1.5700	2	0.05 U	271	5.39	--	77	--
4/17/19	18.3	0.10 U	11.0	6.2000	--	4	--	1.2000	--	--	156	6.27	5.91	257	79

Gude Landfill
Monitoring Location MW-11A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	22.6	0.10 U	10.2	23.9000	--	7	--	5.1000	--	--	239	5.23	5.84	0	135
3/16/20	19.0	0.31	3.0 U	20.3000	--	6	--	1.4400	--	--	202	5.29	5.80	157	129

Gude Landfill Monitoring Location MW-11A - General Parameters

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	7.1	--	--	108	--	4880.0	--
4/26/11	6.3	--	--	72	--	1600.0	--
9/8/11	5.9	--	--	96	--	--	--
3/8/12	5.8	--	--	64	--	--	--
9/12/12	5.8	--	--	108	--	--	--
4/1/13	6.2	--	14.3	176	--	--	766.0
9/24/13	5.9	--	14.2	116	--	--	1272.0
3/13/14	6.8	--	11.8	87	--	--	607.0
9/10/14	6.4	--	14.8	78	--	--	630.0
3/24/15	6.8	--	7.8	50	--	--	46.0
9/8/15	5.4	--	22.8	10	--	--	86.3
3/23/16	5.8	--	22.4	86	--	--	17.5
9/6/16	5.4	--	23.1	118	--	--	39.9
3/9/17	4.9	--	19.5	124	--	--	47.9
9/18/17	6.5	--	19.2	91	--	--	34.5
4/5/18	6.5	--	9.5	90	--	--	21.0
9/12/18	6.5	--	16.2	59	--	--	63.7
4/17/19	6.9	--	13.4	68	187.0	16.2	5.9

Gude Landfill
Monitoring Location MW-11A - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	2.4	--	17.0	111	14.0	24.9	32.0
3/16/20	5.5	--	16.9	114	229.0	169.0	78.4

Gude Landfill
Monitoring Location MW-11A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.026	0.005 U	0.005 U	9.0	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	3.3	0.029	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.026	0.005 U	0.005 U	9.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.6	0.015	0.0002 U
9/12/12	0.005 U	0.005 U	0.036	0.005 U	0.005 U	14.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.2	0.020	0.0002 U
4/1/13	0.005 U	0.005 U	0.026	0.005 U	0.005 U	11.6	0.01 U	0.01 U	0.013	0.2 U	0.005 U	4.0	0.018	0.0002 U
9/24/13	0.005 U	0.005 U	0.034	0.005 U	0.005 U	13.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.4	0.018	0.0002 U
3/13/14	0.005 U	0.005 U	0.024	0.005 U	0.005 U	8.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.6	0.010	0.0002 U
9/10/14	0.005 U	0.005 U	0.033	0.005 U	0.005 U	11.9	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.3	0.008	0.0002 U
3/24/15	0.002 U	0.002 U	0.016	0.002 U	0.004 U	5.9	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	2.2	0.007	0.0002 U
9/8/15	0.001 U	0.001 U	0.033	0.001 U	0.001 U	13.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	4.8	0.027	0.0002 U
3/23/16	0.002 U	0.002 U	0.023	0.002 U	0.002 U	7.9	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.8	0.008	0.0002 U
9/6/16	0.002 U	0.002 U	0.035	0.002 U	0.002 U	12.2	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.6	0.007	0.0002 U
3/9/17	0.002 U	0.002 U	0.035	0.002 U	0.002 U	12.0	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.4	0.008	0.0002 U
9/18/17	0.002 U	0.002 U	0.031	0.002 U	0.002 U	11.8	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.3	0.006	0.0002 U
4/5/18	0.002 U	0.002 U	0.025	0.002 U	0.002 U	9.1	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	3.3	0.019	0.0002 U
9/12/18	0.002 U	0.002 U	0.020	0.002 U	0.002 U	39.0	0.00 U	0.00 U	0.002 U	0.1	0.002 U	22.3	0.003	0.0002 U

Gude Landfill

Monitoring Location MW-11A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01 U	0.7	0.005 U	0.01 U	4.3	0.005 U	0.01 U	0.005
9/8/11	0.02	--	--	--	--	--	--	--
3/8/12	0.03	0.8	0.005 U	0.01 U	5.2	0.005 U	0.01 U	0.009
9/12/12	0.05	0.9	0.005 U	0.01 U	5.9	0.005 U	0.01 U	0.005
4/1/13	0.03	0.9	0.005 U	0.01 U	8.9	0.005 U	0.01 U	0.005 U
9/24/13	0.05	1.0	0.005 U	0.01 U	6.3	0.005 U	0.01 U	0.007
3/13/14	0.01 U	0.6	0.005 U	0.01 U	4.8	0.005 U	0.01 U	0.007
9/10/14	0.01 U	0.7	0.005 U	0.01 U	4.8	0.005 U	0.01 U	0.005
3/24/15	0.01 U	0.5	0.035 U	0.01 U	3.1	0.002 U	0.01 U	0.010 U
9/8/15	0.01 U	0.8	0.005 U	0.00 U	5.4	0.001 U	0.01 U	0.005 U
3/23/16	0.00 U	0.5	0.002 U	0.00 U	3.4	0.001 U	0.00 U	0.002 U
9/6/16	0.00	0.6	0.002 U	0.00 U	5.0	0.001 U	0.00 U	0.002
3/9/17	0.00	0.6	0.002 U	0.00 U	4.9	0.001 U	0.00 U	0.003
9/18/17	0.00	0.7	0.002 U	0.00 U	4.9	0.001 U	0.00 U	0.007
4/5/18	0.00	0.6	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.006
9/12/18	0.00 U	2.6	0.002 U	0.00 U	28.3	0.001 U	0.00 U	0.003

Gude Landfill
Monitoring Location MW-11A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0011	0.0900	0.0010 U	0.0010 U	--	0.0210	0.0086	0.0190	--	0.0049	--
9/23/10	0.0050 U	0.0050 U	0.7490	0.0050 U	0.0050 U	23.4	0.1440	0.0695	0.0825	149.0	0.0499	66.600
4/26/11	0.0050 U	0.0050 U	0.2740	0.0050 U	0.0050 U	14.8	0.0273	0.0181	0.0260	12.1	0.0156	11.200
9/8/11	0.0050 U	0.0050 U	0.1480	0.0050 U	0.0050 U	15.1	0.0096	0.0103	0.0135	7.5	0.0122	8.630
3/8/12	0.0050 U	0.0050 U	0.1380	0.0050 U	0.0050 U	11.4	0.0354	0.0140	0.0452	22.6	0.0069	11.700
9/12/12	0.0050 U	0.0050 U	0.1830	0.0050 U	0.0050 U	15.8	0.0514	0.0213	0.0409	30.8	0.0136	13.900
4/1/13	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	12.5	0.0320	0.0119	0.0321	18.4	0.0061	9.740
9/24/13	0.0050 U	0.0050 U	0.1850	0.0050 U	0.0050 U	17.3	0.0518	0.0212	0.0460	30.7	0.0117	16.400
3/13/14	0.0050 U	0.0050 U	0.1580	0.0050 U	0.0050 U	10.9	0.0384	0.0155	0.0413	27.8	0.0079	12.700
9/10/14	0.0050 U	0.0050 U	0.0830	0.0050 U	0.0050 U	12.9	0.0143	0.0055	0.0156	9.8	0.0050 U	7.800
3/24/15	0.0020 U	0.0020 U	0.0320	0.0020 U	0.0040 U	7.7	0.0095 J	0.0100 U	0.0051 J	4.7	0.0015 J	3.600
9/8/15	0.0010 U	0.0010 U	0.0470	0.0010 U	0.0005 U	13.0	0.0050 U	0.0050 U	0.0050 U	3.0	0.0010 U	5.700
3/23/16	0.0050 U	0.0050 U	0.0396	0.0050 U	0.0050 U	11.0	0.0050 U	0.0050 U	0.0050 U	1.5	0.0050 U	5.240
9/6/16	0.0020 U	0.0020 U	0.0399	0.0020 U	0.0020 U	12.5	0.0025	0.0020 U	0.0027	0.8	0.0020 U	4.950
3/9/17	0.0050 U	0.0050 U	0.0553	0.0050 U	0.0050 U	14.9	0.0050 U	0.0050 U	0.0050 U	2.6	0.0050 U	6.350
9/18/17	0.0050 U	0.0050 U	0.0390	0.0050 U	0.0050 U	13.2	0.0050 U	0.0050 U	0.0079	0.7	0.0050 U	4.760
4/5/18	0.0050 U	0.0050 U	0.0366	0.0050 U	0.0050 U	11.0	0.0050 U	0.0050 U	0.0082	0.7	0.0050 U	4.100
9/12/18	0.0050 U	0.0050 U	0.0236	0.0050 U	0.0050 U	7.9	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	3.050
4/17/19	0.0010 U	0.0010 U	0.0236	0.0010 U	0.0010 U	6.3	0.0035	0.0010 U	0.0023	0.8	0.0010 U	3.160
8/8/19	0.0010 U	0.0010 U	0.0364	0.0010 U	0.0010 U	9.1	0.0054	0.0010 U	0.0021 B	1.8	0.0011	4.700
3/16/20	0.0010 U	0.0010 U	0.1100	0.0010 U	0.0010 U	8.4	0.0360	0.0121	0.0156	17.4	0.0064	10.300

Gude Landfill
Monitoring Location MW-11A - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0210	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0230	0.0500
9/23/10	3.470	0.0002 U	0.1450	27.70	0.0056	0.0050 U	8.5	0.0050 U	--	0.1240	0.3340
4/26/11	0.738	0.0002 U	0.0277	1.87	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0093	0.0938
9/8/11	0.319	0.0002 U	--	1.30	0.0050 U	0.0050 U	5.2	0.0050 U	--	0.0055	0.0493
3/8/12	0.451	0.0002 U	0.0050 U	4.85	0.0050 U	0.0050 U	4.7	0.0050 U	--	0.0425	0.0788
9/12/12	0.693	0.0002 U	0.0061	4.82	0.0050 U	0.0050 U	4.6	0.0050 U	--	0.0570	0.1090
4/1/13	0.326	0.0002 U	0.0050 U	3.64	0.0050 U	0.0050 U	8.2	0.0050 U	--	0.0328	0.0690
9/24/13	0.633	0.0002 U	0.0050 U	6.81	0.0050 U	0.0050 U	5.3	0.0050 U	--	0.0555	0.1240
3/13/14	0.464	0.0002 U	0.0360	5.26	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0424	0.0925
9/10/14	0.169	0.0002 U	0.0134	2.34	0.0050 U	0.0050 U	4.7	0.0050 U	--	0.0171	0.0340
3/24/15	0.057	0.0002 U	0.0099 J	1.10	0.0350 U	0.0100 U	3.7	0.0020 U	--	0.0091 J	0.0110
9/8/15	0.007 J	0.0002 U	0.0100 U	1.20	0.0050 U	0.0010 U	5.3	0.0010 U	--	0.0052	0.0110
3/23/16	0.036	0.0002 U	0.0050 U	0.98	0.0050 U	0.0050 U	5.4	0.0050 U	--	0.0050 U	0.0095
9/6/16	0.024	0.0002 U	0.0040	0.80	0.0020 U	0.0020 U	5.0	0.0010 U	--	0.0023	0.0076
3/9/17	0.050	0.0002 U	0.0067	1.28	0.0050 U	0.0050 U	5.8	0.0050 U	--	0.0050 U	0.0154
9/18/17	0.017	0.0002 U	0.0050 U	0.96	0.0050 U	0.0050 U	5.0	0.0050 U	--	0.0050 U	0.0327
4/5/18	0.029	0.0002 U	0.0050 U	0.71	0.0050 U	0.0050 U	4.6	0.0050 U	--	0.0050 U	0.0400
9/12/18	0.016	0.0002 U	0.0050 U	0.68	0.0050 U	0.0050 U	4.0	0.0050 U	--	0.0050 U	0.0077
4/17/19	0.019	0.0001 U	0.0032	0.64	0.0010 U	0.0010 U	3.9	0.0010 U	--	0.0022	0.0121
8/8/19	0.027	0.0001 U	0.0041	0.79	0.0010 U	0.0010 U	4.7	0.0010 U	--	0.0039	0.0105 B
3/16/20	0.329	0.0001 U	0.0295	3.34	0.0018	0.0010 U	4.1	0.0010 U	--	0.0297	0.0663

Gude Landfill

Printed 5/20/20

Monitoring Location MW-11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	2.74	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	4.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.17	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	0.53 J	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.86	1.0 U	1.00 U	1.00 U	--	17.80	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/24/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 5/20/20

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.37	--
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill

Printed 5/20/20

Monitoring Location MW-11A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	-

Gude Landfill
Monitoring Location MW-11B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	100.0	0.20 U	10.0 U	4.1800	--	--	94.0	2.3070	2	0.05 U	--	--	--	--	--
4/26/11	69.0	0.20 U	10.0 U	4.7900	--	--	66.0	2.3300	2	0.05 U	--	--	--	--	--
9/8/11	65.0	0.20 U	10.0 U	4.3800	--	--	58.0	2.1900	2	0.05 U	--	--	--	--	--
3/8/12	68.0	0.20 U	10.0 U	4.9000	--	--	62.0	2.5600	3	0.05 U	--	--	--	--	--
9/12/12	61.0	0.20 U	10.0 U	5.0600	--	--	62.0	2.3700	2	0.05 U	--	--	--	--	--
4/1/13	67.0	0.20 U	10.0 U	5.3500	--	4	64.0	2.6400	3	0.05 U	400	6.51	--	190	--
9/24/13	62.0	0.20 U	10.0 U	6.5700	--	3	62.0	2.3800	2	0.05 U	397	6.46	--	145	--
3/13/14	68.0	0.20 U	10.0 U	6.1400	--	4	72.0	2.7400	--	--	473	6.19	--	160	--
9/10/14	73.0	0.20 U	10.0 U	6.3800	--	4	86.0	2.8200	3	0.05 U	379	6.56	--	172	--
3/24/15	72.0	0.20 U	10.0 U	6.7700	--	4	86.0	3.0200	3	0.05 U	371	6.77	--	74	--
9/8/15	68.0	0.20 U	10.0 U	7.0700	--	4	72.0	3.0000	3	0.05 U	321	6.27	--	170	--
3/23/16	68.0	0.20 U	10.0 U	9.6400	--	0	108.0	2.9300	3	0.05 U	324	6.27	--	162	--
9/6/16	67.0	0.20 U	10.0 U	9.6800	--	3	82.0	2.4500	2	0.05 U	349	6.05	--	164	--
3/9/17	67.0	0.20 U	10.0 U	9.5100	--	--	80.0	2.8800	3	0.05 U	378	6.21	--	169	--
9/18/17	64.0	0.20 U	10.0 U	23.9000	--	--	82.0	2.1900	2	0.05 U	357	6.32	--	190	--
4/5/18	69.0	0.20 U	10.0 U	10.9000	--	--	88.7	3.2000	3	0.05 U	184	6.33	--	174	--
9/12/18	62.1	0.20 U	10.0 U	14.2000	--	--	83.9	2.9200	3	0.05 U	225	6.20	--	182	--
4/17/19	72.4	0.10 U	12.0	13.1000	--	9	--	3.9000	--	--	225	5.63	6.50	89	211

Gude Landfill
Monitoring Location MW-11B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	68.1	0.10 U	3.0 U	17.3000	--	4	--	3.6000	--	--	184	5.97	6.56	0	212
3/16/20	68.6	0.10 U	3.0 U	17.3000	--	4	--	3.5500	--	--	165	6.01	6.32	272	220

Gude Landfill
Monitoring Location MW-11B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	4.0 U	--	--	156	--	72.4	--
4/26/11	4.0 U	--	--	132	--	5.0	--
9/8/11	4.0 U	--	--	116	--	--	--
3/8/12	4.0 U	--	--	132	--	--	--
9/12/12	4.0 U	--	--	136	--	--	--
4/1/13	4.0 U	--	13.4	232	--	--	51.5
9/24/13	4.0 U	--	13.5	134	--	--	15.8
3/13/14	4.0 U	--	13.1	156	--	--	40.5
9/10/14	4.0 U	--	14.8	108	--	--	7.4
3/24/15	4.0 U	--	11.7	106	--	--	34.2
9/8/15	4.0 U	--	19.5	43	--	--	36.9
3/23/16	4.0 U	--	16.2	143	--	--	24.6
9/6/16	4.0 U	--	16.9	128	--	--	29.6
3/9/17	4.0 U	--	17.9	171	--	--	185.9
9/18/17	4.0 U	--	19.2	121	--	--	89.4
4/5/18	4.0 U	--	13.0	160	--	--	10.9
9/12/18	4.0 U	--	15.1	133	--	--	21.1
4/17/19	4.2	--	14.3	159	18.4	3.0	38.5

Gude Landfill
Monitoring Location MW-11B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	3.4	--	14.9	156	3.7	1.5	0.0
3/16/20	4.0	--	14.2	155	13.8	4.5	4.2

Gude Landfill

Printed 5/20/20

Monitoring Location MW-11B - Dissolved Metals

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.019	0.005 U	0.005 U	15.8	0.01 U	0.01 U	0.005 U	0.1 J	0.005 U	6.9	0.009	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.020	0.005 U	0.005 U	15.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	8.1	0.009	0.0002 U
9/12/12	0.005 U	0.005 U	0.019	0.005 U	0.005 U	16.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.7	0.006	0.0002 U
4/1/13	0.005 U	0.005 U	0.018	0.005 U	0.005 U	16.2	0.01 U	0.01 U	0.011	0.2 U	0.005 U	7.4	0.007	0.0002 U
9/24/13	0.005 U	0.005 U	0.019	0.005 U	0.005 U	15.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.4	0.005 U	0.0002 U
3/13/14	0.005 U	0.005 U	0.021	0.005 U	0.005 U	17.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	10.0	0.005 U	0.0002 U
9/10/14	0.005 U	0.005 U	0.023	0.005 U	0.005 U	17.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	8.4	0.005 U	0.0002 U
3/24/15	0.002 U	0.002 U	0.016	0.002 U	0.004 U	17.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	8.5	0.005 U	0.0002 U
9/8/15	0.001 U	0.001 U	0.016	0.001 U	0.001 U	130.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	38.0	0.019	0.0004
3/23/16	0.002 U	0.002 U	0.016	0.002 U	0.002 U	16.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	7.5	0.002 U	0.0002 U
9/6/16	0.002 U	0.002 U	0.016	0.002 U	0.002 U	14.9	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	7.5	0.002 U	0.0002 U
3/9/17	0.002 U	0.002 U	0.018	0.002 U	0.002 U	16.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	8.0	0.002 U	0.0002 U
9/18/17	0.002 U	0.002 U	0.018	0.002 U	0.002 U	17.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	8.6	0.002	0.0002 U
4/5/18	0.002 U	0.002 U	0.018	0.002 U	0.002 U	17.3	0.00	0.00 U	0.002 U	0.1 U	0.002 U	8.6	0.002 U	0.0002 U
9/12/18	0.002 U	0.002 U	0.016	0.002 U	0.002 U	7.3	0.00 U	0.00 U	0.002 U	0.2	0.002 U	4.7	0.002 U	0.0002 U

Gude Landfill

Monitoring Location MW-11B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01 U	0.9	0.005 U	0.01 U	9.8	0.005 U	0.01 U	0.005 U
9/8/11	0.01 U	--	--	--	--	--	--	--
3/8/12	0.01 U	0.9	0.005 U	0.01 U	10.2	0.005 U	0.01 U	0.005 U
9/12/12	0.01 U	1.0	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.005 U
4/1/13	0.01	0.9	0.005 U	0.01 U	12.5	0.005 U	0.01 U	0.005 U
9/24/13	0.01 U	1.0	0.005 U	0.01 U	9.1	0.005 U	0.01 U	0.005 U
3/13/14	0.01 U	1.0	0.005 U	0.01 U	11.9	0.005 U	0.01 U	0.005 U
9/10/14	0.01 U	0.8	0.005 U	0.01 U	9.2	0.005 U	0.01 U	0.005 U
3/24/15	0.01 U	0.9	0.035 U	0.01 U	9.9	0.002 U	0.01 U	0.010 U
9/8/15	0.01 U	3.8	0.005 U	0.00 U	22.0	0.001 U	0.00 U	0.005 U
3/23/16	0.00 U	0.7	0.002 U	0.00 U	8.1	0.001 U	0.00	0.002 U
9/6/16	0.00 U	0.8	0.002 U	0.00 U	8.6	0.001 U	0.00	0.002 U
3/9/17	0.00 U	0.8	0.002 U	0.00 U	8.8	0.001 U	0.00	0.002 U
9/18/17	0.00 U	0.8	0.002 U	0.00 U	9.2	0.001 U	0.00	0.002 U
4/5/18	0.00 U	0.8	0.002 U	0.00 U	9.1	0.001 U	0.00	0.002 U
9/12/18	0.00 U	0.9	0.002 U	0.00 U	5.4	0.001 U	0.00	0.002 U

Gude Landfill
Monitoring Location MW-11B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
8/2/10	0.0010 U	0.0006 J	0.0240	0.0010 U	0.0010 U	--	0.0029	0.0009 J	0.0022	--	0.0010 U	--	--
9/23/10	0.0050 U	0.0050 U	0.0744	0.0050 U	0.0050 U	34.4	0.0082	0.0050	0.0131	7.0	0.0050 U	8.360	0.167
4/26/11	0.0050 U	0.0050 U	0.0194	0.0050 U	0.0050 U	15.4	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	6.630	0.012
9/8/11	0.0050 U	0.0050 U	0.0188	0.0050 U	0.0050 U	14.9	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	6.300	0.011
3/8/12	0.0050 U	0.0050 U	0.0252	0.0050 U	0.0050 U	14.3	0.0050 U	0.0050 U	0.0074	1.4	0.0050 U	7.720	0.035
9/12/12	0.0050 U	0.0050 U	0.0210	0.0050 U	0.0050 U	15.9	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	6.620	0.018
4/1/13	0.0050 U	0.0050 U	0.0348	0.0050 U	0.0050 U	18.0	0.0150	0.0050 U	0.0159	3.3	0.0050 U	9.260	0.063
9/24/13	0.0050 U	0.0050 U	0.0261	0.0050 U	0.0050 U	16.9	0.0050 U	0.0050 U	0.0055	0.9	0.0050 U	8.180	0.021
3/13/14	0.0050 U	0.0050 U	0.0348	0.0050 U	0.0050 U	17.5	0.0052	0.0050 U	0.0070	2.7	0.0050 U	9.360	0.052
9/10/14	0.0050 U	0.0050 U	0.0256	0.0050 U	0.0050 U	17.6	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	8.630	0.014
3/24/15	0.0020 U	0.0020 U	0.0210	0.0020 U	0.0040 U	16.0	0.0100 U	0.0100 U	0.0021 J	1.8	0.0020 U	8.800	0.031
9/8/15	0.0010 U	0.0010 U	0.0210	0.0010 U	0.0005 U	16.0	0.0050 U	0.0050 U	0.0050 U	1.6	0.0010 U	8.000	0.057
3/23/16	0.0050 U	0.0050 U	0.0246	0.0050 U	0.0050 U	18.6	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	10.200	0.010
9/6/16	0.0020 U	0.0020 U	0.0182	0.0020 U	0.0020 U	14.9	0.0020 U	0.0020 U	0.0022	0.3	0.0020 U	7.550	0.006
3/9/17	0.0050 U	0.0050 U	0.0373	0.0050 U	0.0050 U	19.2	0.0050 U	0.0050 U	0.0059	3.2	0.0050 U	10.300	0.082
9/18/17	0.0050 U	0.0050 U	0.0306	0.0050 U	0.0050 U	18.9	0.0050 U	0.0050 U	0.0058	2.0	0.0050 U	9.610	0.042
4/5/18	0.0050 U	0.0050 U	0.0329	0.0050 U	0.0050 U	19.2	0.0051	0.0050 U	0.0050 U	1.9	0.0050 U	9.860	0.037
9/12/18	0.0050 U	0.0050 U	0.0212	0.0050 U	0.0050 U	18.2	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	9.350	0.020
4/17/19	0.0010 U	0.0010 U	0.0190	0.0010 U	0.0010 U	15.6	0.0112	0.0010 U	0.0010 U	0.3	0.0010 U	9.910	0.008
8/8/19	0.0010 U	0.0010 U	0.0185	0.0010 U	0.0010 U	15.4	0.0031	0.0010 U	0.0010 U	0.1 U	0.0010 U	9.600	0.004
3/16/20	0.0010 U	0.0010 U	0.0211	0.0010 U	0.0010 U	17.0	0.0023	0.0010 U	0.0010 U	0.3	0.0010 U	10.900	0.006

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-11B - Total Metals

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	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
8/2/10	0.0002 U	0.0021	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0073	0.0120
9/23/10	0.0002 U	0.0090	2.50	0.0050 U	0.0050 U	12.6	0.0050 U	--	0.0229	0.0209
4/26/11	0.0002 U	0.0050 U	0.89	0.0050 U	0.0050 U	9.1	0.0050 U	--	0.0050 U	0.0050 U
9/8/11	0.0002 U	--	0.93	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0050 U	0.0050 U
3/8/12	0.0002 U	0.0050 U	1.12	0.0050 U	0.0050 U	9.4	0.0050 U	--	0.0062	0.0106
9/12/12	0.0002 U	0.0050 U	0.94	0.0050 U	0.0050 U	8.1	0.0050 U	--	0.0050 U	0.0066
4/1/13	0.0002 U	0.0050 U	1.84	0.0050 U	0.0050 U	13.5	0.0050 U	--	0.0112	0.0125
9/24/13	0.0002 U	0.0050 U	1.17	0.0050 U	0.0050 U	9.4	0.0050 U	--	0.0058	0.0074
3/13/14	0.0002 U	0.0054	1.46	0.0050 U	0.0050 U	9.7	0.0050 U	--	0.0088	0.0122
9/10/14	0.0002 U	0.0050 U	0.95	0.0050 U	0.0050 U	9.2	0.0050 U	--	0.0050 U	0.0050 U
3/24/15	0.0002 U	0.0110 U	1.10	0.0350 U	0.0100 U	9.6	0.0020 U	--	0.0070 J	0.0053 J
9/8/15	0.0002 U	0.0100 U	1.10	0.0050 U	0.0010 U	9.0	0.0010 U	--	0.0062	0.0050 U
3/23/16	0.0002 U	0.0050 U	1.06	0.0050 U	0.0050 U	11.0	0.0050 U	--	0.0050 U	0.0050 U
9/6/16	0.0002 U	0.0020 U	0.80	0.0020 U	0.0020 U	8.6	0.0010 U	--	0.0039	0.0143
3/9/17	0.0002 U	0.0059	1.42	0.0050 U	0.0050 U	9.7	0.0050 U	--	0.0108	0.0135
9/18/17	0.0002 U	0.0050 U	1.09	0.0050 U	0.0050 U	9.3	0.0050 U	--	0.0065	0.0272
4/5/18	0.0002 U	0.0050 U	1.18	0.0050 U	0.0050 U	9.3	0.0050 U	--	0.0090	0.0319
9/12/18	0.0002 U	0.0050 U	1.05	0.0050 U	0.0050 U	9.5	0.0050 U	--	0.0050 U	0.0050 U
4/17/19	0.0001 U	0.0075	0.87	0.0010 U	0.0010 U	10.5	0.0010 U	--	0.0031	0.0040 U
8/8/19	0.0001 U	0.0010 U	0.82	0.0010 U	0.0010 U	10.4	0.0010 U	--	0.0031	0.0044 B
3/16/20	0.0001 U	0.0010 U	0.95	0.0010 U	0.0010 U	10.7	0.0010 U	--	0.0031	0.0040 U

Gude Landfill

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Monitoring Location MW-11B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.25	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	6.97	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.20 B	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	5.48	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.14	--	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.07	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.15	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.44	1.00 U	1.00 U	1.32	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.55	1.00 U	1.00 U	1.13	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.40	1.00 U	1.00 U	1.03	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.31	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	2.10	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.10	1.00 U	1 U	3.80	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 5/20/20

3/16/20	Bromodichloromethane (ug/L)	1.00 U	Bromoform (ug/L)	1.00 U	Bromomethane (ug/L)	1.00 U	Carbon Disulfide (ug/L)	1.00 U	Carbon Tetrachloride (ug/L)	1.00 U	Chlorobenzene (ug/L)	1.00 U	Chloroethane (ug/L)	1.0 U	Chloroform (ug/L)	1.00 U	Chloromethane (ug/L)	1.00 U	Chloroprene (ug/L)	1 U	cis-1,2-Dichloroethene (ug/L)	4.10	cis-1,3-Dichloropropene (ug/L)	1.00 U	Dibromochloromethane (ug/L)	1.00 U	Dichlorodifluoromethane (ug/L)	--	Ethyl Methacrylate (ug/L)	5 U	Ethylbenzene (ug/L)	1.00 U
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Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/24/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 5/20/20

Monitoring Location MW-11B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	2.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	0.97 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	2.10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	2.74	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/24/13	2.42	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	3.01	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	3.05	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	3.33	1.00 U	1.00 U	1.00 U	5.00 U	1.17	1.00 U	5 U	1.00 U	--
3/23/16	4.58	1.00 U	1.00 U	1.00 U	5.00 U	1.43	1.00 U	5 U	1.00 U	--
9/6/16	3.24	1.00 U	1.00 U	1.00 U	5.00 U	1.13	1.00 U	5 U	1.00 U	--
3/9/17	4.54	1.00 U	1.00 U	1.00 U	5.00 U	1.65	1.00 U	5 U	1.00 U	--
9/18/17	1.88	1.00 U	1.00 U	1.00 U	5.00 U	1.08	1.00 U	5 U	1.00 U	--
4/5/18	4.92	1.00 U	1.00 U	1.00 U	5.00 U	1.51	1.00 U	5 U	1.00 U	--
9/12/18	3.34	1.00 U	1.00 U	1.00 U	5.00 U	1.27	1.00 U	5 U	1.00 U	--
4/17/19	4.90	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U	1 U	1.00 U	--
8/8/19	6.60	1.00 U	1.00 U	1.00 U	1.00 U	2.90	1.00 U	1 U	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location MW-11B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	6.30	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.00 U	1 U	1.00 U	-

Gude Landfill
Monitoring Location MW-12 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	15.0	0.20 U	10.0 U	374.0000	--	--	360.0	5.0188	5	0.01 J	--	--	--	--	--
4/26/11	16.0	0.20 U	10.0 U	371.0000	--	--	356.0	4.3800	4	0.05 U	--	--	--	--	--
9/8/11	22.0	0.20 U	10.0 U	286.0000	--	--	280.0	4.8700	5	0.05 U	--	--	--	--	--
3/8/12	12.0	0.20 U	6.1	348.0000	--	--	276.0	4.4300	4	0.05 U	--	--	--	--	--
9/12/12	10.0	0.20 U	10.0 U	211.0000	--	--	188.0	4.9000	5	0.05 U	--	--	--	--	--
4/1/13	7.0	0.20 U	10.0 U	246.0000	--	6	196.0	4.4900	5	0.05 U	539	5.19	--	977	--
9/18/13	7.9	0.20 U	10.0 U	197.0000	--	6	170.0	5.0200	5	0.05 U	475	4.82	--	668	--
3/13/14	6.0	0.20 U	10.0 U	251.0000	--	6	206.0	4.3300	--	--	645	4.85	--	836	--
9/10/14	75.0	0.20 U	10.0 U	7.3000	--	3	88.0	0.2000 U	0 U	0.05 U	448	5.96	--	159	--
3/24/15	7.5	0.20 U	10.0 U	267.0000	--	7	204.0	3.9400	4	0.05 U	461	5.20	--	784	--
9/8/15	10.0	0.20 U	10.0 U	176.0000	--	6	136.0	4.8800	5	0.05 U	393	5.05	--	641	--
3/23/16	23.0	0.20 U	10.0 U	204.0000	--	7	140.0	3.8300	4	0.05 U	440	5.36	--	641	--
9/6/16	25.0	0.20 U	10.0 U	147.0000	--	--	136.0	4.8300	5	0.05 U	439	5.07	--	564	--
3/13/17	36.0	0.20 U	10.0 U	135.0000	--	4	140.0	4.9600	5	0.05 U	502	5.15	--	482	--
9/19/17	35.0	0.20 U	10.0 U	113.0000	--	--	110.0	5.4700	5	0.05 U	473	5.12	--	439	--
4/3/18	8.4	0.20 U	10.0 U	133.0000	--	--	104.0	4.7300	5	0.05 U	287	5.22	--	462	--
9/12/18	8.8	0.20 U	10.0 U	351.0000	--	--	292.0	4.4900	5	0.05 U	296	4.84	--	1132	--
4/16/19	11.9	0.10 U	11.0	272.0000	--	6	--	4.0000	--	--	170	5.20	5.86	1120	898

Gude Landfill
Monitoring Location MW-12 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	30.5	0.10 U	15.1	111.0000	--	5	--	2.9000	--	--	228	5.03	5.60	0	451
3/16/20	13.1	0.10 U	11.3	149.0000	--	6	--	3.3800	--	--	228	5.00	5.53	798	6

Gude Landfill
Monitoring Location MW-12 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	14.7	--	--	1520	--	3920.0	--
4/26/11	14.3 J	--	--	1184	--	57.4	--
9/8/11	15.5	--	--	1020	--	--	--
3/8/12	13.9	--	--	1012	--	--	--
9/12/12	15.7	--	--	720	--	--	--
4/1/13	15.0	--	16.3	600	--	--	84.3
9/18/13	17.3	--	18.1	646	--	--	160.0
3/13/14	18.2	--	14.8	624	--	--	50.1
9/10/14	8.2	--	14.2	134	--	--	358.3
3/24/15	18.8	--	12.2	620	--	--	94.3
9/8/15	20.7	--	23.8	337	--	--	6.9
3/23/16	20.4	--	19.4	426	--	--	26.3
9/6/16	20.4	--	28.4	443	--	--	5.2
3/13/17	18.8	--	13.8	333	--	--	8.3
9/19/17	19.3	--	20.5	265	--	--	5.8
4/3/18	18.5	--	10.4	393	--	--	10.9
9/12/18	15.4	--	20.3	745	--	--	7.1
4/16/19	19.3	--	15.5	661	20.8	16.6	9.8

Gude Landfill
Monitoring Location MW-12 - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	14.6	--	20.2	298	14.4	9.6	10.0
3/16/20	20.0	--	17.6	402	26.0	8.4	13.2

Gude Landfill
Monitoring Location MW-12 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.686	0.005 U	0.005 U	83.3	0.01 U	0.01 U	0.008	0.6	0.005 U	39.8	0.077	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.589	0.005 U	0.005 U	61.0	0.01 U	0.01 U	0.008	0.3	0.005 U	30.0	0.055	0.0002 U
9/12/12	0.005 U	0.005 U	0.374	0.005 U	0.005 U	48.3	0.01 U	0.01 U	0.006	0.3	0.005 U	20.1	0.031	0.0002 U
4/1/13	0.005 U	0.005 U	0.448	0.005 U	0.005 U	45.2	0.01 U	0.01 U	0.014	0.2	0.005 U	21.7	0.049	0.0002 U
9/18/13	0.005 U	0.005 U	0.335	0.005 U	0.005 U	41.8	0.01 U	0.01 U	0.006	0.2	0.005 U	17.5	0.042	0.0002 U
3/13/14	0.005 U	0.005 U	0.451	0.005 U	0.005 U	45.4	0.01 U	0.01 U	0.008	0.3	0.005 U	22.2	0.043	0.0002 U
9/10/14	0.005 U	0.005 U	0.075	0.005 U	0.005 U	18.9	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.7	0.021	0.0002 U
3/24/15	0.002 U	0.002 U	0.430	0.002 U	0.004 U	48.0	0.01 U	0.01 U	0.004 U	0.0 U	0.002 U	24.0	0.036	0.0002 U
9/8/15	0.001 U	0.001 U	0.321	0.001 U	0.001 U	34.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	15.0	0.055	0.0002 U
3/23/16	0.002 U	0.002 U	0.323	0.002 U	0.002 U	30.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	14.8	0.025	0.0002 U
9/6/16	0.002 U	0.002 U	0.272	0.002 U	0.002 U	29.5	0.00 U	0.00 U	0.003	0.2 U	0.002 U	13.1	0.028	0.0002 U
3/13/17	0.002 U	0.002 U	0.245	0.002 U	0.002 U	26.5	0.00 U	0.00 U	0.004	0.2 U	0.002 U	11.6	0.020	0.0002 U
9/19/17	0.002 U	0.002 U	0.209	0.002 U	0.002 U	24.0	0.00	0.00 U	0.004	0.2 U	0.002 U	9.5	0.022	0.0002 U
4/3/18	0.002 U	0.002 U	0.233	0.002 U	0.002 U	26.4	0.00	0.00 U	0.002 U	0.1 U	0.002 U	10.8	0.039	0.0002 U
9/12/18	0.002 U	0.002 U	0.629	0.002 U	0.002 U	9.6	0.00 U	0.00 U	0.002 U	2.9	0.002 U	12.3	0.074	0.0002 U

Gude Landfill

Monitoring Location MW-12 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	4.1	0.005 U	0.01 U	98.2	0.005 U	0.01 U	0.027
9/8/11	0.01	--	--	--	--	--	--	--
3/8/12	0.02	3.8	0.005 U	0.01 U	91.8	0.005 U	0.01 U	0.024
9/12/12	0.03	3.6	0.005 U	0.01 U	62.1	0.005 U	0.01 U	0.018
4/1/13	0.01	3.7	0.005 U	0.01 U	79.8	0.005 U	0.01 U	0.020
9/18/13	0.01	3.2	0.005 U	0.01 U	57.0	0.005 U	0.01 U	0.018
3/13/14	0.01	3.2	0.005 U	0.01 U	85.4	0.005 U	0.01 U	0.029
9/10/14	0.01 U	1.1	0.005 U	0.01 U	9.0	0.005 U	0.01 U	0.010
3/24/15	0.01 J	3.3	0.035 U	0.01 U	91.0	0.002 U	0.01 U	0.023
9/8/15	0.00 J	2.8	0.005 U	0.00 U	65.0	0.001 U	0.01 U	0.011
3/23/16	0.00	2.1	0.002 U	0.00 U	71.8	0.001 U	0.00 U	0.014
9/6/16	0.00	2.5	0.002 U	0.00 U	61.4	0.001 U	0.00	0.015
3/13/17	0.00	2.2	0.002 U	0.00 U	51.1	0.001 U	0.00	0.014
9/19/17	0.00	2.0	0.002 U	0.00 U	41.8	0.001 U	0.00 U	0.013
4/3/18	0.00	2.2	0.002 U	0.00 U	49.7	0.001 U	0.00 U	0.036
9/12/18	0.01	1.5	0.002 U	0.00 U	31.4	0.001 U	0.00 U	0.035

Gude Landfill
Monitoring Location MW-12 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0019	0.7600	0.0010 U	0.0006 J	--	0.0640	0.0190	0.0390	--	0.0160	--
9/23/10	0.0050 U	0.0050 U	1.3200	0.0050 U	0.0050 U	82.0	0.1000	0.0492	0.1090	100.0	0.0616	69.500
4/26/11	0.0050 U	0.0050 U	0.7490	0.0050 U	0.0050 U	78.8	0.0050 U	0.0050 U	0.0111	2.6	0.0050 U	43.100 J
9/8/11	0.0050 U	0.0050 U	0.6150	0.0050 U	0.0050 U	65.6	0.0050 U	0.0050 U	0.0063	1.2	0.0106	29.100
3/8/12	0.0050 U	0.0050 U	0.6350	0.0050 U	0.0050 U	65.2	0.0181	0.0050 U	0.0168	4.1	0.0050 U	32.700
9/12/12	0.0050 U	0.0050 U	0.4720	0.0050 U	0.0050 U	47.4	0.0261	0.0120	0.0339	17.0	0.0168	23.000
4/1/13	0.0050 U	0.0050 U	0.4730	0.0050 U	0.0050 U	44.5	0.0050 U	0.0050 U	0.0159	1.3	0.0050 U	21.100
9/18/13	0.0050 U	0.0050 U	0.3920	0.0050 U	0.0050 U	45.5	0.0115	0.0050 U	0.0167	7.1	0.0066	21.600
3/13/14	0.0050 U	0.0050 U	0.4710	0.0050 U	0.0050 U	46.4	0.0050 U	0.0050 U	0.0079	1.2	0.0050 U	22.900
9/10/14	0.0050 U	0.0050 U	0.3540	0.0050 U	0.0050 U	19.7	0.0436	0.0213	0.0780	36.8	0.0112	19.500
3/24/15	0.0020 U	0.0020 U	0.4400	0.0020 U	0.0040 U	47.0	0.0100	0.0100 U	0.0110	3.8	0.0022	24.000
9/8/15	0.0010 U	0.0010 U	0.3100	0.0010 U	0.0005 U	32.0	0.0050 U	0.0050 U	0.0050 U	2.1	0.0014	15.000
3/23/16	0.0050 U	0.0050 U	0.3540	0.0050 U	0.0050 U	32.8	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	16.900
9/6/16	0.0020 U	0.0020 U	0.2690	0.0020 U	0.0020 U	28.7	0.0020	0.0020 U	0.0030	0.4	0.0020 U	12.600
3/13/17	0.0020 U	0.0020 U	0.2550	0.0020 U	0.0020 U	26.5	0.0020 U	0.0020 U	0.0020 J	0.2 U	0.0020 U	11.400
9/19/17	0.0050 U	0.0050 U	0.2290	0.0050 U	0.0050 U	25.7	0.0050 U	0.0050 U	0.0139	1.0	0.0050 U	10.700
4/3/18	0.0050 U	0.0050 U	0.2450	0.0050 U	0.0050 U	25.0	0.0050 U	0.0050 U	0.0110	0.2	0.0050 U	10.100
9/12/18	0.0050 U	0.0050 U	0.6050	0.0050 U	0.0050 U	61.6	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	33.600
4/16/19	0.0010 U	0.0010 U	0.3130	0.0010 U	0.0010 U	33.0	0.0023	0.0014	0.0020	0.7	0.0010 U	19.700
8/8/19	0.0010 U	0.0010 U	0.1500	0.0010 U	0.0010 U	16.7	0.0037	0.0010 U	0.0029 B	0.4	0.0014	9.070
3/16/20	0.0010 U	0.0010 U	0.2310	0.0010 U	0.0010 U	22.5	0.0067	0.0010 U	0.0170	0.4	0.0010 U	13.500

Gude Landfill
Monitoring Location MW-12 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0600	--	0.0005 J	0.0010 U	--	0.0010 U	0.0050 U	0.0280	0.1100
9/23/10	3.020	0.0002 U	0.0938	23.10	0.0062	0.0050 U	81.5	0.0050 U	--	0.0850	0.2690
4/26/11	0.138	0.0002 U	0.0113	5.14	0.0050 U	0.0050 U	104.0 J	0.0050 U	--	0.0050 U	0.0352
9/8/11	0.103	0.0002 U	--	4.12	0.0050 U	0.0050 U	73.7	0.0050 U	--	0.0050 U	0.0306
3/8/12	0.155	0.0002 U	0.0104	4.49	0.0050 U	0.0050 U	96.2	0.0050 U	--	0.0050 U	0.0390
9/12/12	0.532	0.0002 U	0.0065	5.42	0.0050 U	0.0050 U	57.8	0.0050 U	--	0.0246	0.0754
4/1/13	0.084	0.0002 U	0.0081	4.06	0.0050 U	0.0050 U	76.9	0.0050 U	--	0.0050 U	0.0238
9/18/13	0.177	0.0002 U	0.0057	4.30	0.0050 U	0.0050 U	61.4	0.0050 U	--	0.0088	0.0443
3/13/14	0.066	0.0002 U	0.0079	3.27	0.0050 U	0.0050 U	88.4	0.0050 U	--	0.0050 U	0.0241
9/10/14	0.596	0.0002 U	0.0388	8.02	0.0050 U	0.0050 U	8.1	0.0050 U	--	0.0893	0.1320
3/24/15	0.110	0.0002 U	0.0140	4.10	0.0350 U	0.0100 U	88.0	0.0020 U	--	0.0100 U	0.0410
9/8/15	0.022	0.0002 U	0.0100 U	3.20	0.0050 U	0.0010 U	64.0	0.0010 U	--	0.0050 U	0.0220
3/23/16	0.039	0.0002 U	0.0050 U	2.60	0.0050 U	0.0050 U	83.5	0.0050 U	--	0.0050 U	0.0210
9/6/16	0.040	0.0002 U	0.0041	2.39	0.0020 U	0.0020 U	54.0	0.0010 U	--	0.0023	0.0159
3/13/17	0.026	0.0002 U	0.0034	2.16	0.0020 U	0.0020 U	50.8	0.0010 U	--	0.0025	0.0132
9/19/17	0.046	0.0002 U	0.0050 U	2.23	0.0050 U	0.0050 U	44.6	0.0050 U	--	0.0050 U	0.0315
4/3/18	0.047	0.0002 U	0.0050 U	2.12	0.0050 U	0.0050 U	48.7	0.0050 U	--	0.0050 U	0.0616
9/12/18	0.089	0.0002 U	0.0090	3.58	0.0050 U	0.0050 U	99.3	0.0050 U	--	0.0050 U	0.0331
4/16/19	0.063	0.0001 U	0.0052	2.55	0.0010 U	0.0010 U	119.0 B	0.0010 U	--	0.0010 U	0.0324
8/8/19	0.036	0.0001 U	0.0028	1.76	0.0010 U	0.0010 U	51.3	0.0010 U	--	0.0010 U	0.0182 B
3/16/20	0.034	0.0001 U	0.0052	2.28	0.0010 U	0.0010 U	71.6	0.0010 U	--	0.0010 U	0.0150 B

Gude Landfill

Printed 5/20/20

Monitoring Location MW-12 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-12 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Monitoring Location MW-12 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	8.60	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-12 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-12 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	4.10	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	5.10	1.00 U	1 U	1.20	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.30	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-12 - Volatile Organic Compounds

Printed 5/20/20

Compound	Concentration (ug/L)	Unit
Bromodichloromethane	1.00	U
Bromoform	1.00	U
Bromomethane	1.00	U
Carbon Disulfide	1.00	U
Carbon Tetrachloride	1.00	U
Chlorobenzene	1.00	U
Chloroethane	1.0	U
Chloroform	1.10	
Chloromethane	1.00	U
Chloroprene	1	U
cis-1,2-Dichloroethene	1.00	U
cis-1,3-Dichloropropene	1.00	U
Dibromochloromethane	1.00	U
Dichlorodifluoromethane	--	
Ethyl Methacrylate	5	U
Ethylbenzene	1.00	U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-12 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/19/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-12 - Volatile Organic Compounds

Printed 5/20/20

3/16/20	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-12 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill Monitoring Location MW-12 - Volatile Organic Compounds

Compound	Unit
Tetrachloroethene (ug/L)	1.00 U
Toluene (ug/L)	1.00 U
trans-1,2-Dichloroethene (ug/L)	1.00 U
trans-1,3-Dichloropropene (ug/L)	1.00 U
trans-1,4-Dichloro-2-butene (ug/L)	1.00 U
Trichloroethene (ug/L)	1.00 U
Trichlorofluoromethane (ug/L)	1.00 U
Vinyl Acetate (ug/L)	1 U
Vinyl Chloride (ug/L)	1.00 U
Xylene (ug/L)	-

Gude Landfill
Monitoring Location MW-13A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/15/10	50.0	0.20 U	34.6	84.3000	--	--	160.0	2.4800	3	0.05 U	--	--	--	--	--
4/25/11	224.0	0.20 U	10.0 U	83.5000	--	--	128.0	2.2900	2	0.05 U	--	--	--	--	--
9/20/11	34.0	0.20 U	10.0 U	85.1000	--	--	125.0	2.1700	2	0.05 U	--	--	--	--	--
3/13/12	227.0	0.20 U	10.1	86.1000	--	--	164.0	1.9700	2	0.05 U	--	--	--	--	--
9/17/12	32.0	0.20 U	10.0 U	90.7000	--	--	148.0	2.0800	2	0.05 U	--	--	--	--	--
3/28/13	34.0	0.20 U	17.2	88.2000	--	0	132.0	1.8800	2	0.05 U	482	5.32	--	406	--
9/18/13	32.0	0.20 U	10.0 U	87.9000	--	0	136.0	1.6700	2	0.05 U	440	5.12	--	291	--
3/13/14	34.0	0.20 U	10.9	86.8000	--	0	270.0	1.5200	--	--	404	5.31	--	215	--
9/8/14	36.0	0.20 U	18.6	85.8000	--	2	148.0	1.2861	1	0.05	349	5.34	--	83	--
3/18/15	32.0	0.20 U	10.0 U	90.8000	--	0	220.0	1.5500	2	0.05 U	432	5.12	--	319	--
9/1/15	40.0	0.20 U	11.7	93.8000	--	2	152.0	1.5500	2	0.05 U	301	5.07	--	379	--
3/16/16	33.0	0.20 U	10.0 U	90.7000	--	0	128.0	1.6300	2	0.05 U	448	5.16	--	349	--
8/29/16	37.0	0.20 U	10.0 U	91.7000	--	--	142.0	1.5400	2	0.05 U	411	4.82	--	360	--
3/7/17	43.0	0.20 U	10.0 U	95.0000	--	--	134.0	1.8400	2	0.05 U	451	5.02	--	354	--
9/18/17	27.0	0.20 U	10.0 U	88.4000	--	0	136.0	1.7800	2	0.05 U	461	5.08	--	377	--
3/28/18	28.8	0.20 U	10.0 U	90.4000	--	--	230.0	1.8200	2	0.05 U	292	5.08	--	335	--
10/10/18	27.2	0.20 U	10.0 U	79.0000	--	--	117.0	1.5100	2	0.05 U	226	5.04	--	295	--
4/9/19	31.9	0.13	5.0	70.3000	--	0	--	0.2000 U	--	--	138	5.17	5.49	396	314

Gude Landfill
Monitoring Location MW-13A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/6/19	32.1	0.10 J	5.0	76.8000	--	0	--	1.4000	--	--	249	4.65	5.48	0	322
3/9/20	29.8	0.10 U	7.6	86.0000	--	0	--	1.9300	--	--	261	5.10	5.37	327	367

Gude Landfill

Printed 5/20/20

Monitoring Location MW-13A - General Parameters

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/30/10	--	3.0 U	--	--	--	--	--
9/15/10	4.0 U	--	--	380	--	1048.0	--
4/25/11	4.0 U	--	--	324	--	56.8	--
9/20/11	4.0 U	--	--	456	--	--	--
3/13/12	4.0 U	--	--	392	--	--	--
9/17/12	4.0 U	--	--	336	--	--	--
3/28/13	4.0 U	--	12.1	174	--	--	1082.0
9/18/13	4.0 U	--	14.6	348	--	--	1220.0
3/13/14	4.0 U	--	10.7	312	--	--	934.0
9/8/14	4.0 U	--	14.4	288	--	--	1349.0
3/18/15	4.0 U	--	11.1	228	--	--	42.7
9/1/15	4.0 U	--	25.1	142	--	--	73.2
3/16/16	4.0 U	--	14.1	238	--	--	27.2
8/29/16	4.0 U	--	15.9	293	--	--	46.6
3/7/17	4.0 U	--	13.3	177	--	--	14.3
9/18/17	4.0 U	--	16.5	246	--	--	14.8
3/28/18	4.0 U	--	11.8	308	--	--	11.8
10/10/18	--	--	19.3	196	--	--	10.2
4/9/19	6.2	--	13.2	195	26.8	8.9	23.0

Gude Landfill
Monitoring Location MW-13A - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/6/19	2.1	--	15.9	231	13.9	9.2	0.0
3/9/20	2.1	--	13.1	217	18.1	7.2	32.3

Gude Landfill
Monitoring Location MW-13A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.174	0.005 U	0.005 U	26.5	0.01 U	0.01	0.005 U	0.2 J	0.005 U	17.5	0.232	0.0002 U
9/20/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.005 U	0.190	0.005 U	0.005 U	29.0	0.01 U	0.01	0.005 U	0.2 U	0.005 U	21.1	0.238	0.0002 U
9/17/12	0.005 U	0.005 U	0.191	0.005 U	0.005 U	25.5	0.01 U	0.01	0.006	0.2 U	0.005 U	16.8	0.262	0.0002 U
3/28/13	0.005 U	0.005 U	0.175	0.005 U	0.005 U	25.7	0.01 U	0.01	0.011	0.2	0.005 U	16.7	0.256	0.0002 U
9/18/13	0.005 U	0.005 U	0.172	0.005 U	0.005 U	25.6	0.01 U	0.01	0.005 U	0.4	0.005 U	17.6	0.346	0.0002 U
3/13/14	0.005 U	0.005 U	0.172	0.005 U	0.005 U	25.4	0.01 U	0.01	0.005 U	0.3	0.005 U	17.9	0.342	0.0002 U
9/8/14	0.005 U	0.005 U	0.165	0.005 U	0.005 U	22.3	0.01 U	0.01	0.005 U	1.8	0.005 U	16.8	0.493	0.0002 U
3/18/15	0.002 U	0.002 U	0.160	0.002 U	0.004 U	23.0	0.01 U	0.01 J	0.010 U	0.1	0.002 U	17.0	0.250	0.0002 U
9/1/15	0.001 U	0.001 U	0.190	0.001 U	0.001 U	26.0	0.01 U	0.01	0.005 U	0.1	0.001 U	18.0	0.420	0.0002 U
3/16/16	0.002 U	0.002 U	0.182	0.002 U	0.002 U	24.1	0.00 U	0.01	0.002 U	0.2 U	0.002 U	17.4	0.262	0.0002 U
8/29/16	0.002 U	0.002 U	0.195	0.002 U	0.002 U	25.1	0.00 U	0.01	0.002 U	0.3	0.002 U	18.1	0.302	0.0002 U
3/7/17	0.002 U	0.002 U	0.189	0.002 U	0.002 U	25.9	0.01	0.01	0.002 U	0.2 U	0.002 U	18.4	0.293	0.0002 U
9/18/17	0.002 U	0.002 U	0.189	0.002 U	0.002 U	28.4	0.00	0.01	0.002 U	0.2	0.002 U	20.0	0.300	0.0002 U
3/28/18	0.002 U	0.002 U	0.161	0.002 U	0.002 U	22.3	0.01	0.01	0.002 U	0.2 U	0.002 U	16.3	0.332	0.0002 U
10/10/18	0.002 U	0.002 U	0.128	0.002 U	0.002 U	20.2	0.01	0.01	0.002 U	0.4	0.002 U	15.0	0.562	0.0002 U

Gude Landfill
Monitoring Location MW-13A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	2.0	0.005 U	0.01 U	15.0	0.005 U	0.01 U	0.012
9/20/11	0.01	--	--	--	--	--	--	--
3/13/12	0.08	2.3	0.005 U	0.01 U	16.4	0.005 U	0.01 U	0.012
9/17/12	0.02	2.6	0.005 U	0.01 U	14.8	0.005 U	0.01 U	0.015
3/28/13	0.01	2.8	0.005 U	0.01 U	16.5	0.005 U	0.01 U	0.014
9/18/13	0.04	2.4	0.005 U	0.01 U	15.7	0.005 U	0.01 U	0.013
3/13/14	0.01	2.2	0.005 U	0.01 U	14.7	0.005 U	0.01 U	0.016
9/8/14	0.01	2.4	0.005 U	0.01 U	13.9	0.005 U	0.01 U	0.016
3/18/15	0.01 J	2.0	0.035 U	0.01 U	13.0	0.002 U	0.01 U	0.016
9/1/15	0.01 U	2.4	0.005 U	0.00 U	14.0	0.001 U	0.01 U	0.014
3/16/16	0.01	1.9	0.002 U	0.00 U	13.1	0.001 U	0.00 U	0.012
8/29/16	0.01	2.2	0.002 U	0.00 U	14.3	0.001 U	0.00 U	0.012
3/7/17	0.01	2.1	0.002	0.00 U	14.1	0.001 U	0.00 U	0.013
9/18/17	0.01	2.6	0.002 U	0.00 U	15.5	0.001 U	0.00 U	0.012
3/28/18	0.01	1.8	0.002	0.00 U	12.2	0.001 U	0.00	0.017
10/10/18	0.01	2.3	0.002 U	0.00 U	11.0	0.001 U	0.00 U	0.016

Gude Landfill
Monitoring Location MW-13A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/30/10	0.0010 U	0.0020	0.2300	0.0009 J	0.0010 U	--	0.0180	0.0160	0.0580	--	0.0065	--
9/15/10	0.0050 U	0.0050 U	0.3320	0.0050 U	0.0050 U	26.5	0.0240	0.0290	0.0710	28.3	0.0112	23.500
4/25/11	0.0050 U	0.0050 U	0.1990	0.0050 U	0.0050 U	23.8 J	0.0050 U	0.0079	0.0121	3.3	0.0050 U	20.700 J
9/20/11	0.0050 U	0.0050 U	0.2730	0.0050 U	0.0050 U	24.5	0.0050 U	0.0114	0.0137	3.0	0.0069	19.700
3/13/12	0.0050 U	0.0050 U	0.6870	0.0050 U	0.0050 U	29.1	0.0853	0.0683	0.1970	108.0	0.0327	47.000
9/17/12	0.0050 U	0.0050 U	0.2490	0.0050 U	0.0050 U	26.3	0.0224	0.0170	0.0421	17.3	0.0069	19.700
3/28/13	0.0050 U	0.0050 U	0.2130	0.0050 U	0.0050 U	25.0	0.0084	0.0109	0.0271	10.3	0.0050 U	18.200
9/18/13	0.0050 U	0.0050 U	0.3970	0.0050 U	0.0050 U	26.9	0.0409	0.0351	0.0900	45.7	0.0146	30.500
3/13/14	0.0050 U	0.0050 U	0.4400	0.0050 U	0.0050 U	29.0	0.0436	0.0378	0.0950	45.9	0.0172	31.900
9/8/14	0.0050 U	0.0050 U	0.4760	0.0050 U	0.0050 U	26.8	0.0342	0.0335	0.0753	44.0	0.0215	28.600
3/18/15	0.0020 U	0.0020 U	0.1800	0.0020 U	0.0040 U	23.0	0.0050 J	0.0085 J	0.0050 J	2.0	0.0020 U	17.000
9/1/15	0.0010 U	0.0015	0.3400	0.0017	0.0005 U	28.0	0.0410	0.0220	0.0480	29.0	0.0100	26.000
3/16/16	0.0020 U	0.0020 U	0.1930	0.0020 U	0.0020 U	24.4	0.0020 U	0.0076	0.0020 U	0.3	0.0020 U	17.700
8/29/16	0.0020 U	0.0020 U	0.1970	0.0020 U	0.0020 U	24.1	0.0020 U	0.0090	0.0031	1.3	0.0020 U	17.300
3/7/17	0.0050 U	0.0050 U	0.2050	0.0050 U	0.0050 U	28.1	0.0050 U	0.0085	0.0067	0.9	0.0050 U	19.600
9/18/17	0.0050 U	0.0050 U	0.2300	0.0050 U	0.0050 U	25.7	0.0050 U	0.0094	0.0125	4.0	0.0050 U	18.700
3/28/18	0.0050 U	0.0050 U	0.1800	0.0050 U	0.0050 U	26.5	0.0050 U	0.0079	0.0118	0.2 U	0.0050 U	18.000
10/10/18	0.0050 U	0.0050 U	0.1400	0.0050 U	0.0050 U	21.0	0.0050 U	0.0144	0.0050 U	1.1	0.0050 U	15.700
4/9/19	0.0010 U	0.0010 U	0.1020	0.0010 U	0.0010 U	17.1	0.0015	0.0182	0.0019	2.4	0.0010 U	14.800
8/6/19	0.0010 U	0.0010 U	0.1360	0.0010 U	0.0010 U	16.6	0.0012	0.0188	0.0027 B	0.5	0.0011	14.800
3/9/20	0.0010 U	0.0010 U	0.1650	0.0010 U	0.0010 U	20.1	0.0040	0.0174	0.0026	0.7	0.0010 U	20.000

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-13A - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/30/10	--	0.0002	0.0230	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0540	0.0700
9/15/10	0.876	0.0003	0.0345	8.65	0.0050 U	0.0050 U	17.6	0.0050 U	--	0.0626	0.0902
4/25/11	0.302	0.0003	0.0100	3.03	0.0050 U	0.0050 U	16.1 J	0.0050 U	--	0.0099	0.0194
9/20/11	0.376	0.0006	--	2.72	0.0050 U	0.0050 U	15.5	0.0050 U	--	0.0094	0.0224
3/13/12	1.880	0.0026	0.0083	22.60	0.0050 U	0.0050 U	15.1	0.0050 U	--	0.2380	0.2310
9/17/12	0.540	0.0004	0.0098	6.15	0.0050 U	0.0050 U	14.9	0.0050 U	--	0.0461	0.0585
3/28/13	0.333	0.0003	0.0079	4.75	0.0050 U	0.0050 U	16.5	0.0050 U	--	0.0197	0.0330
9/18/13	1.030	0.0007	0.0083	11.30	0.0050 U	0.0050 U	12.5	0.0050 U	--	0.1130	0.1260
3/13/14	0.954	0.0014	0.0462	12.20	0.0050 U	0.0050 U	14.3	0.0050 U	--	0.0979	0.1340
9/8/14	1.300	0.0020	0.0359	11.60	0.0050 U	0.0050 U	13.3	0.0050 U	--	0.0903	0.1080
3/18/15	0.270	0.0002 U	0.0110 U	2.30	0.0350 U	0.0100 U	13.0	0.0020 U	--	0.0050 J	0.0170
9/1/15	0.320	0.0031	0.0110	8.70	0.0050 U	0.0010 U	14.0	0.0010 U	--	0.0780	0.0890
3/16/16	0.264	0.0002 U	0.0076	1.94	0.0020 U	0.0020 U	13.2	0.0010 U	--	0.0020 U	0.0122
8/29/16	0.307	0.0002 U	0.0077	2.38	0.0020 U	0.0020 U	13.3	0.0010 U	--	0.0026	0.0124
3/7/17	0.283	0.0002 U	0.0103	2.32	0.0050 U	0.0050 U	14.8	0.0050 U	--	0.0050 U	0.0158
9/18/17	0.349	0.0003	0.0105	3.07	0.0050 U	0.0050 U	13.5	0.0050 U	--	0.0094	0.0361
3/28/18	0.283	0.0002 U	0.0088	2.07	0.0050 U	0.0050 U	13.6	0.0050 U	--	0.0050 U	0.0335
10/10/18	0.591	0.0002 U	0.0115	2.51	0.0050 U	0.0050 U	11.4	0.0050 U	--	0.0050 U	0.0186
4/9/19	0.796	0.0001 U	0.0104	3.06	0.0010 U	0.0010 U	10.7	0.0010 U	--	0.0017	0.0152 B
8/6/19	0.801	0.0001 U	0.0074	2.67	0.0010 U	0.0010 U	12.0	0.0010 U	--	0.0010 U	0.0193 B
3/9/20	0.695	0.0001 U	0.0116	2.52	0.0010 U	0.0010 U	14.3	0.0010 U	--	0.0014	0.0166

Gude Landfill

Printed 5/20/20

Monitoring Location MW-13A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	2.00	6.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	17.90	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	1.86 J	4.80
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	25.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	6.60
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	4.40
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	16.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	5.40
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	15.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	5.64
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	19.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.35	6.94
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	19.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.74	3.08
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	15.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	2.06	6.00
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	13.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	6.22
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	16.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.23	6.06
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	13.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.06	5.41
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	15.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.19	6.43
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	13.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.95	5.56
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	14.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.05	6.14
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.89	5.28
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	11.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.96	5.26
10/10/18	1.00 U	1.00 U	1.00 U	1.00 U	8.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.46	3.76
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	7.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.10	3.30
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	8.90	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.50	4.30

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	8.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.20	3.60

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	5.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	3.00	--	1.00 U
9/15/10	2.00 U	2.00 U	3.54	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.72 J	--	2 U	--	3.31	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.40	--	1.00 U
9/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	3.70	--	1.00 U
3/13/12	--	--	5.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.90	--	1.00 U
9/17/12	1.00 U	1.00 U	5.12	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	5.77	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.24	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	6.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.57	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	6.13	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.64	1.00 U	--
9/8/14	1.00 U	1.00 U	5.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.28	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	5.25	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.27	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	3.68	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.71	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	5.69	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.09	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	5.19	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.88	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	6.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.03	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	4.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.66	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	4.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.70	1.00 U	1.00 U
10/10/18	1.00 U	1.00 U	3.22	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.21	1.00 U	1.00 U
4/9/19	--	1.00 U	2.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/6/19	--	1.00 U	3.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/9/20	--	1.00 U	2.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	100.00	1.00 U	1.00 U	8.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.01 J	1.0 J	2.00 U	0.96 J	--	76.70	2.00 U	2.00 U	34.30	--
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	6.40	--	96.00	1.00 U	1.00 U	--	--
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	3.70	--	1.00 U	1.00 U	1.00 U	--	--
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	--	97.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	79.80	1.00 U	1.00 U	6.30	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.0 U	1.00 U	1.00 U	--	105.00	1.00 U	1.00 U	6.15	--
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 J	1.0 U	1.00 U	1.00 U	--	120.00	1.00 U	1.00 U	7.23	--
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.81	1.0 U	1.00 U	1.00 U	--	94.20	1.00 U	1.00 U	4.42	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.0 U	1.00 U	1.00 U	--	81.60	1.00 U	1.00 U	3.89	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.57	1.0 U	1.00 U	1.00 U	--	95.90	1.00 U	1.00 U	3.83	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.28	1.0 U	1.17	1.00 U	--	81.50	1.00 U	1.00 U	2.34	--
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.58	1.0 U	1.57	1.00 U	--	95.80	1.00 U	1.00 U	3.44	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.46	1.0 U	1.37	1.00 U	--	86.70	1.00 U	1.00 U	2.66	--
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.70	1.0 U	1.50	1.00 U	--	92.40	1.00 U	1.00 U	2.88	--
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.49	1.0 U	1.28	1.00 U	--	80.70	1.00 U	1.00 U	2.33	--
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.0 U	1.33	1.00 U	--	74.80	1.00 U	1.00 U	2.18	--
10/10/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.01	1.0 U	1.00 U	1.00 U	--	49.90	1.00 U	1.00 U	1.69	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	46.50	1.00 U	1.00 U	--	5 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.10	1.00 U	1 U	59.50	1.00 U	1.00 U	--	5 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	3.00	1.00 U	1 U	51.60	1.00 U	1.00 U	--	5 U

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	10.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	0.61 J	2.00 U	8.07	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	1.00 U	--	--	--	1.00 U	--	3.10	1.00 U	10.00	--	--	--	--	--	1.00 U
9/20/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	9.20	--	--	--	--	--	1.00 U
3/13/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	3.20	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.02	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.49	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.04	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.88	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.59	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.36	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.63	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.31	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
10/10/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.90	--	--	1.00 U	--	--	1.00 U
8/6/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.70 J	--	--	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 5/20/20

Compound	Concentration (ug/L)	Unit
Ethylbenzene	1.00	U
Isobutyl Alcohol	100	U
Isopropylbenzene	--	
m&p-Xylene	1.00	U
Methyl Iodide	1.00	U
Methyl Methacrylate	5	U
Methyl Tertiary Butyl Ether	1.00	U
Methylene Bromide	1.00	U
Methylene Chloride	2.00	B
n-Butylbenzene	--	
n-Propylbenzene	--	
o-Xylene	1.00	U
p-Isopropyltoluene	--	
sec-Butylbenzene	--	
Styrene	1.00	U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-13A - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	100			5			2	10000
7/30/10	--	35.00	1.00 U	4.00	1.00 U	5.00 U	33.00	1.00 U	1 U	8.00	--
9/15/10	2.00 U	22.20	2.00 U	3.26	2.00 U	2.00 U	26.90	1.50 J	2 U	11.10	--
4/25/11	--	17.00	1.00 U	7.30	1.00 U	5.00 U	23.00	3.80	1 U	14.00	1 U
9/20/11	--	25.00	1.00 U	6.20	1.00 U	5.00 U	28.00	4.60	1 U	18.00	1 U
3/13/12	--	28.00	1.00 U	3.50	1.00 U	5.00 U	32.00	1.00 U	1 U	8.60	1 U
9/17/12	1.00 U	25.70	1.00 U	1.00 U	1.00 U	5.00 U	30.20	1.00 U	5 U	8.58	--
3/28/13	1.00 U	27.80	1.00 U	4.00	1.00 U	5.00 U	33.90	1.00 U	5 U	10.10	--
9/18/13	1.00 U	24.20	1.00 U	4.76	1.00 U	5.00 U	37.10	1.00 U	5 U	9.83	--
3/13/14	1.00 U	21.70	1.00 U	3.31	1.00 U	5.00 U	28.30	1.00 U	5 U	8.14	--
9/8/14	1.00 U	18.00	1.00 U	3.14	1.00 U	5.00 U	28.90	1.00 U	5 U	6.74	--
3/18/15	1.00 U	17.20	1.00 U	3.63	1.00 U	5.00 U	25.10	1.00 U	5 U	7.91	--
9/1/15	1.00 U	11.90	1.00 U	2.57	1.00 U	5.00 U	21.80	1.00 U	5 U	6.00	--
3/16/16	1.00 U	18.80	1.00 U	3.38	1.00 U	5.00 U	27.00	1.00 U	5 U	7.67	--
8/29/16	1.00 U	15.30	1.00 U	2.95	1.00 U	5.00 U	22.80	1.00 U	5 U	6.66	--
3/7/17	1.00 U	17.30	1.00 U	3.28	1.00 U	5.00 U	25.40	1.00 U	5 U	7.27	--
9/18/17	1.00 U	13.10	1.00 U	2.74	1.00 U	5.00 U	18.70	1.00 U	5 U	5.78	--
3/28/18	1.00 U	12.10	1.00 U	2.61	1.00 U	5.00 U	19.50	1.00 U	5 U	5.42	--
10/10/18	1.00 U	8.30	1.00 U	1.87	1.00 U	5.00 U	13.20	1.00 U	5 U	4.18	--
4/9/19	--	7.10	1.00 U	1.60	1.00 U	1.00 U	11.70	1.00 U	1 U	3.80	--
8/6/19	--	8.40	1.00 U	1.80	1.00 U	1.00 U	14.10	1.00 U	1 U	3.90	--

Gude Landfill Monitoring Location MW-13A - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/9/20	--	7.20	1.00 U	1.60	1.00 U	1.00 U	10.90	1.00 U	1 U	2.30	--

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill
Monitoring Location MW-13B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/15/10	230.0	0.20 U	6.2 J	84.6000	--	--	360.0	1.4670	1	0.05 U	--	--	--	--	--
4/25/11	720.0	0.20 U	9.6	84.7000	--	--	313.0	1.6200	2	0.05 U	--	--	--	--	--
9/20/11	226.0	0.20 U	3.4	85.5000	--	--	67.0	1.6000	2	0.05 U	--	--	--	--	--
3/13/12	742.0	0.20 U	12.1	89.5000	--	--	334.0	1.8800	2	0.05 U	--	--	--	--	--
9/17/12	226.0	0.20 U	10.0 U	86.4000	--	--	316.0	2.0800	2	0.05 U	--	--	--	--	--
3/28/13	224.0	0.20 U	10.0 U	91.0000	--	0	314.0	2.2700	2	0.05 U	429	6.20	--	781	--
9/18/13	221.0	0.20 U	10.0 U	89.4000	--	0	328.0	2.4400	2	0.05 U	593	6.07	--	674	--
3/13/14	218.0	0.20 U	10.0 U	92.4000	--	0	340.0	2.7000	--	--	369	6.15	--	676	--
9/8/14	221.0	0.20 U	10.0 U	97.1000	--	2	342.0	2.9100	3	0.05 U	364	6.28	--	717	--
3/18/15	212.0	0.20 U	10.0 U	99.8000	--	0	368.0	3.3100	3	0.05 U	310	6.70	--	615	--
9/1/15	216.0	0.20 U	10.0 U	99.2000	--	2	344.0	3.4600	3	0.05 U	345	6.10	--	710	--
3/16/16	209.0	0.20 U	10.0 U	97.9000	--	0	324.0	3.6800	4	0.05 U	374	6.14	--	700	--
8/29/16	214.0	0.20 U	10.0 U	98.5000	--	--	340.0	3.7400	4	0.05 U	339	5.90	--	709	--
3/7/17	217.0	0.20 U	11.8	105.0000	--	--	340.0	4.0100	4	0.05 U	405	5.95	--	676	--
9/18/17	210.0	0.20 U	10.0 U	92.6000	--	--	344.0	4.2400	4	0.05 U	396	6.09	--	674	--
3/28/18	209.0	0.20 U	12.4	107.0000	--	--	350.0	3.9500	4	0.05 U	208	6.19	--	671	--
10/10/18	205.0	0.20 U	10.0 U	111.0000	--	--	358.0	4.2000	4	0.05 U	211	5.86	--	670	--
4/9/19	209.0	0.10 U	7.0	115.0000	--	0	--	0.2000 U	--	--	127	5.96	6.23	949	799

Gude Landfill
Monitoring Location MW-13B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/6/19	207.0	0.12	4.3	116.0000	--	0	--	5.6000	--	--	202	5.72	6.33	1	790
3/9/20	204.0	0.10 U	10.6	98.4000	--	1	--	5.8800	--	--	231	5.99	6.10	639	757

Gude Landfill
Monitoring Location MW-13B - General Parameters

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/30/10	--	3.0 U	--	--	--	--	--
9/15/10	6.2	--	--	540	--	0.2	--
4/25/11	4.0 U	--	--	572	--	0.4	--
9/20/11	6.7	--	--	640	--	--	--
3/13/12	7.6	--	--	560	--	--	--
9/17/12	7.6	--	--	480	--	--	--
3/28/13	7.3	--	12.7	474	--	--	0.0
9/18/13	8.3	--	13.0	502	--	--	0.0
3/13/14	9.4	--	12.5	458	--	--	0.7
9/8/14	10.5	--	13.4	454	--	--	0.0
3/18/15	11.4	--	12.0	472	--	--	0.7
9/1/15	10.2	--	14.8	412	--	--	0.5
3/16/16	12.5	--	13.3	464	--	--	0.0
8/29/16	12.6	--	13.7	508	--	--	0.0
3/7/17	13.5	--	13.1	429	--	--	0.0
9/18/17	12.9	--	13.0	456	--	--	0.0
3/28/18	14.9	--	12.1	506	--	--	0.0
10/10/18	--	--	13.4	506	--	--	0.0
4/9/19	15.7	--	13.5	545	4.9	0.7	2.3

Gude Landfill
Monitoring Location MW-13B - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/6/19	15.8	--	13.9	504	2.3 U	0.5 U	0.0
3/9/20	16.4	--	11.9	456	4.8 U	0.5 U	11.5

Gude Landfill
Monitoring Location MW-13B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.072	0.005 U	0.005 U	84.3	0.01 U	0.01 U	0.005 U	0.6	0.005 U	29.0	0.031	0.0002 U
9/20/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.005 U	0.077	0.005 U	0.005 U	77.0	0.01 U	0.01 U	0.005 U	0.4	0.005 U	27.4	0.037	0.0002 U
9/17/12	0.005 U	0.005 U	0.078	0.005 U	0.005 U	87.0	0.01 U	0.01 U	0.005 U	0.3	0.005 U	29.8	0.040	0.0003
3/28/13	0.005 U	0.005 U	0.074	0.005 U	0.005 U	81.9	0.01 U	0.01 U	0.010	0.5	0.005 U	26.4	0.032	0.0002 U
9/18/13	0.005 U	0.005 U	0.076	0.005 U	0.005 U	83.4	0.01 U	0.01 U	0.005 U	0.4	0.005 U	28.9	0.033	0.0002
3/13/14	0.005 U	0.005 U	0.079	0.005 U	0.005 U	89.4	0.01 U	0.01 U	0.005 U	0.5	0.005 U	30.7	0.036	0.0002 U
9/8/14	0.005 U	0.005 U	0.080	0.005 U	0.005 U	82.5	0.01 U	0.01 U	0.005 U	0.5	0.005 U	28.9	0.037	0.0002 U
3/18/15	0.002 U	0.002 U	0.070	0.002 U	0.004 U	87.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	29.0	0.025	0.0002 U
9/1/15	0.001 U	0.001	0.069	0.001 U	0.001 U	89.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	29.0	0.032	0.0002 U
3/16/16	0.002 U	0.002 U	0.077	0.002 U	0.002 U	84.4	0.00 U	0.00 U	0.002 U	0.5	0.002 U	29.2	0.036	0.0002 U
8/29/16	0.002 U	0.002 U	0.076	0.002 U	0.002 U	85.3	0.00 U	0.00 U	0.002 U	0.5	0.002 U	31.1	0.036	0.0002 U
3/7/17	0.002 U	0.002 U	0.073	0.002 U	0.002 U	87.1	0.01	0.00 U	0.002 U	0.4	0.002 U	30.4	0.034	0.0002 U
9/18/17	0.002 U	0.002 U	0.072	0.002 U	0.002 U	82.5	0.00 U	0.00 U	0.002 U	0.4	0.002 U	29.4	0.037	0.0002 U
3/28/18	0.002 U	0.002 U	0.070	0.002 U	0.002 U	85.7	0.01	0.00 U	0.002 U	0.2 U	0.002 U	27.0	0.032	0.0002 U
10/10/18	0.002 U	0.002 U	0.074	0.002 U	0.002 U	89.3	0.01	0.00 U	0.002 U	0.1 U	0.002 U	31.6	0.035	0.0002 U

Gude Landfill
Monitoring Location MW-13B - Dissolved Metals

Printed 5/20/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01 U	3.1	0.005 U	0.01 U	17.7	0.005 U	0.01 U	0.005 U
9/20/11	0.01 U	--	--	--	--	--	--	--
3/13/12	0.01	3.6	0.005 U	0.01 U	16.2	0.005 U	0.01 U	0.005 U
9/17/12	0.01	3.7	0.005 U	0.01 U	17.4	0.005 U	0.01 U	0.008
3/28/13	0.01 U	4.9	0.005 U	0.01 U	19.0	0.005 U	0.01 U	0.005 U
9/18/13	0.01	3.7	0.005 U	0.01 U	16.3	0.005 U	0.01 U	0.007
3/13/14	0.01	3.8	0.005 U	0.01 U	17.9	0.005 U	0.01 U	0.006
9/8/14	0.01 U	3.6	0.005 U	0.01 U	17.9	0.005 U	0.01 U	0.008
3/18/15	0.01 U	3.4	0.035 U	0.01 U	17.0	0.002 U	0.01 U	0.010 U
9/1/15	0.01 U	3.7	0.005 U	0.00 U	18.0	0.001 U	0.01 U	0.005 U
3/16/16	0.00	3.3	0.002 U	0.00 U	17.5	0.001 U	0.00 U	0.002 U
8/29/16	0.00	3.5	0.002 U	0.00 U	18.8	0.001 U	0.00 U	0.002 U
3/7/17	0.00	3.4	0.003	0.00 U	18.3	0.001 U	0.00 U	0.002 U
9/18/17	0.00	3.3	0.002 U	0.00 U	17.5	0.001 U	0.00 U	0.002 U
3/28/18	0.00	3.1	0.003	0.00 U	16.5	0.001 U	0.00	0.002
10/10/18	0.00	3.6	0.003	0.00 U	18.9	0.001 U	0.00	0.002 U

Gude Landfill
Monitoring Location MW-13B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
7/30/10	0.0010 U	0.0007 J	0.0570	0.0010 U	0.0010 U	--	0.0010 U	0.0010 U	0.0008 J	--	0.0010 U	--	--
9/15/10	0.0050 U	0.0050 U	0.0676	0.0050 U	0.0050 U	82.7	0.0050 U	0.0050 U	0.0063	0.6	0.0050 U	27.600	0.031
4/25/11	0.0050 U	0.0050 U	0.0730	0.0050 U	0.0050 U	80.5	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	31.400 J	0.032
9/20/11	0.0050 U	0.0050 U	0.0706	0.0050 U	0.0050 U	83.4	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	31.200	0.032
3/13/12	0.0050 U	0.0050 U	0.0746	0.0050 U	0.0050 U	91.2	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	32.200	0.038
9/17/12	0.0050 U	0.0050 U	0.0676	0.0050 U	0.0050 U	81.4	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	26.900	0.040
3/28/13	0.0050 U	0.0050 U	0.0748	0.0050 U	0.0050 U	83.0	0.0050 U	0.0050 U	0.0100	0.5	0.0050 U	28.100	0.033
9/18/13	0.0050 U	0.0050 U	0.0754	0.0050 U	0.0050 U	86.2	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	30.400	0.037
3/13/14	0.0050 U	0.0050 U	0.0794	0.0050 U	0.0050 U	90.0	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	30.200	0.034
9/8/14	0.0050 U	0.0050 U	0.0814	0.0050 U	0.0050 U	85.2	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	28.700	0.036
3/18/15	0.0020 U	0.0020 U	0.0700	0.0020 U	0.0040 U	86.0	0.0100 U	0.0100 U	0.0012 J	0.0 U	0.0020 U	29.000	0.026
9/1/15	0.0010 U	0.0010 U	0.0730	0.0010 U	0.0005 U	89.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U	29.000	0.030
3/16/16	0.0020 U	0.0020 U	0.0770	0.0020 U	0.0020 U	84.9	0.0020 U	0.0020 U	0.0020 U	0.5	0.0020 U	29.200	0.036
8/29/16	0.0020 U	0.0020 U	0.0745	0.0020 U	0.0020 U	83.7	0.0020 U	0.0020 U	0.0020 U	0.5	0.0020 U	30.100	0.035
3/7/17	0.0020 U	0.0020 U	0.0734	0.0020 U	0.0020 U	83.5	0.0029	0.0020 U	0.0020 U	0.4	0.0020 U	28.900	0.035
9/18/17	0.0020 U	0.0020 U	0.0732	0.0020 U	0.0020 U	81.7	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	28.300	0.037
3/28/18	0.0020 U	0.0020 U	0.0700	0.0020 U	0.0020 U	84.6	0.0068	0.0020 U	0.0020 U	0.2 U	0.0020 U	27.800	0.033
10/10/18	0.0020 U	0.0020 U	0.0746	0.0020 U	0.0020 U	88.1	0.0046	0.0020 U	0.0020 U	0.1 U	0.0020 U	33.400	0.034
4/9/19	0.0010 U	0.0010 U	0.0738	0.0010 U	0.0010 U	76.9	0.0013	0.0010 U	0.0037	0.2	0.0010 U	30.600	0.043
8/6/19	0.0010 U	0.0010 U	0.0723	0.0010 U	0.0010 U	74.4	0.0012	0.0010 U	0.0010 U	0.1 U	0.0010 U	32.200	0.040
3/9/20	0.0010 U	0.0010 U	0.0739	0.0010 U	0.0010 U	81.0	0.0010 U	0.0010 U	0.0010 U	0.0 J	0.0010 U	37.100	0.037

Gude Landfill
Monitoring Location MW-13B - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
7/30/10	0.0002	0.0022	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/15/10	0.0002	0.0050 U	3.30	0.0050 U	0.0050 U	19.9	0.0050 U	--	0.0050 U	0.0050 U
4/25/11	0.0002 U	0.0050 U	4.07	0.0050 U	0.0050 U	18.2 U	0.0050 U	--	0.0050 U	0.0050 U
9/20/11	0.0002 U	--	3.53	0.0050 U	0.0050 U	17.9	0.0050 U	--	0.0050 U	0.0050 U
3/13/12	0.0002 U	0.0053	3.50	0.0050 U	0.0050 U	18.9	0.0050 U	--	0.0050 U	0.0050
9/17/12	0.0003	0.0070	3.67	0.0050 U	0.0050 U	15.9	0.0050 U	--	0.0050 U	0.0062
3/28/13	0.0002	0.0050 U	4.71	0.0050 U	0.0050 U	19.9	0.0050 U	--	0.0050 U	0.0050 U
9/18/13	0.0003	0.0050 U	3.35	0.0050 U	0.0050 U	16.4	0.0050 U	--	0.0050 U	0.0066
3/13/14	0.0002	0.0051	3.66	0.0050 U	0.0050 U	17.7	0.0050 U	--	0.0050 U	0.0064
9/8/14	0.0002	0.0050 U	3.45	0.0050 U	0.0050 U	17.7	0.0050 U	--	0.0050 U	0.0054
3/18/15	0.0002	0.0110 U	3.40	0.0350 U	0.0100 U	17.0	0.0020 U	--	0.0100 U	0.0100 U
9/1/15	0.0002 U	0.0100 U	3.80	0.0050 U	0.0010 U	19.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	0.0002 U	0.0028	3.26	0.0020 U	0.0020 U	17.6	0.0010 U	--	0.0020 U	0.0020 U
8/29/16	0.0002 U	0.0025	3.34	0.0020 U	0.0020 U	18.2	0.0010 U	--	0.0020 U	0.0020 U
3/7/17	0.0002 U	0.0045	3.25	0.0025	0.0020 U	17.4	0.0010 U	--	0.0020 U	0.0020 U
9/18/17	0.0002 U	0.0021	3.26	0.0020 U	0.0020 U	16.9	0.0010 U	--	0.0020 U	0.0020 U
3/28/18	0.0002 U	0.0042	3.24	0.0029	0.0020 U	17.2	0.0010 U	--	0.0026	0.0020 U
10/10/18	0.0002 U	0.0052	3.79	0.0026	0.0020 U	20.2	0.0010 U	--	0.0020 U	0.0020 U
4/9/19	0.0004	0.0028	3.59	0.0010 U	0.0010 U	19.5	0.0010 U	--	0.0010	0.0040 U
8/6/19	0.0003	0.0014	3.47	0.0010 U	0.0010 U	20.3	0.0010 U	--	0.0010 U	0.0050 B
3/9/20	0.0002	0.0020	3.51	0.0010 U	0.0010 U	20.4	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-13B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7						0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0	3.00	9.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	17.80	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.5 J	3.11	6.54
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	1.00 U	1.0 U	4.60	7.40
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	15.00	1.00 U	--	--	1.00 U	--	--	1.00 U	1.00 U	1.0	1.00 U	7.50
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	13.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	7.73
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.87	8.01
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	16.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	2.52	7.87
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	13.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	2.50	6.96
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	14.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.64	5.44
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.35	6.23
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	12.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.19	6.03
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	13.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.32	6.58
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	10.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.94	5.53
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	10.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.97	5.82
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	7.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.70	7.97
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	9.75	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.02	5.65
10/10/18	1.00 U	1.00 U	1.00 U	1.00 U	9.02	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.84	4.93
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	9.90	1.00 U	1.00 U	--	1.00 U	--	--	1.00 U	1.00 U	1.0 U	1.70	5.30
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	9.10	1.00 U	1.00 U	--	1.00 U	--	--	1.00 U	1.00 U	1.0 U	1.40	4.60

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 5/20/20

3/9/20	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
	1.00 U	1.00 U	1.00 U	1.00 U	8.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.40	5.20

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	12.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	6.00	--	1.00 U
9/15/10	2.00 U	2.00 U	8.86	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.87 J	--	2 U	--	5.56	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	35.00	--	5 U	--	1.00 U	--	1.00 U
9/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	6.30	--	1.00 U
3/13/12	--	--	11.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.60	--	1.00 U
9/17/12	1.00 U	1.00 U	9.67	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	10.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.56	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	11.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.17	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	9.56	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.61	1.00 U	--
9/8/14	1.00 U	1.00 U	8.49	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.28	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	8.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.18	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	7.91	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.96	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	8.87	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.11	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	7.86	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.58	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	8.95	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.56	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	8.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.53	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	8.06	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.25	1.00 U	1.00 U
10/10/18	1.00 U	1.00 U	7.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.91	1.00 U	1.00 U
4/9/19	--	1.00 U	6.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.50	--	5 U	1 U	1.60	--	1.00 U
8/6/19	--	1.00 U	6.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/9/20	--	1.00 U	6.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	--	140.00	1.00 U	1.00 U	8.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.63 J	1.1 J	2.00 U	0.76 J	--	101.00	2.00 U	2.00 U	33.20	--
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	4.60	--	3.90	1.00 U	1.00 U	--	--
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.0 U	1.00 U	1.00 U	--	110.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	82.00	1.00 U	1.00 U	6.31	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.03	1.0 U	1.00 U	1.00 U	--	102.00	1.00 U	1.00 U	7.35	--
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.29	1.0 U	1.00 U	1.00 U	--	109.00	1.00 U	1.00 U	7.76	--
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.98	1.0 U	1.00 U	1.00 U	--	83.50	1.00 U	1.00 U	4.58	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.67	1.0 U	1.00 U	1.00 U	--	79.50	1.00 U	1.00 U	6.76	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.81	1.0 U	1.00 U	1.00 U	--	79.60	1.00 U	1.00 U	4.26	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.75	1.0 U	1.00 U	1.00 U	--	73.50	1.00 U	1.00 U	3.74	--
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.92	1.0 U	1.00 U	1.00 U	--	78.40	1.00 U	1.00 U	4.45	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.62	1.0 U	1.00 U	1.00 U	--	67.50	1.00 U	1.00 U	3.18	--
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.72	1.0 U	1.00 U	1.00 U	--	69.00	1.00 U	1.00 U	3.15	--
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.59	1.0 U	1.00 U	1.00 U	--	46.10	1.00 U	1.00 U	2.02	--
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.68	1.0 U	1.00 U	1.00 U	--	63.30	1.00 U	1.00 U	2.64	--
10/10/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.44	1.0 U	1.00 U	1.00 U	--	54.10	1.00 U	1.00 U	2.84	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	1 U	58.40	1.00 U	1.00 U	--	5 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	56.70	1.00 U	1.00 U	--	5 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	1 U	57.00	1.00 U	1.00 U	--	5 U

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 5/20/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	11.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	0.96 J	2.00 U	8.50	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/20/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	11.00	--	--	--	--	--	1.00 U
3/13/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	4.20	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	7.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.55	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.62	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.53	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.99	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.44	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.51	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
10/10/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.07	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.70	--	--	1.00 U	--	--	1.00 U
8/6/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.00 J	--	--	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 5/20/20

Compound	Concentration (ug/L)	Unit
Ethylbenzene	1.00	U
Isobutyl Alcohol	100	U
Isopropylbenzene	--	
m&p-Xylene	1.00	U
Methyl Iodide	1.00	U
Methyl Methacrylate	5	U
Methyl Tertiary Butyl Ether	1.00	U
Methylene Bromide	1.00	U
Methylene Chloride	2.50	B
n-Butylbenzene	--	
n-Propylbenzene	--	
o-Xylene	1.00	U
p-Isopropyltoluene	--	
sec-Butylbenzene	--	
Styrene	1.00	U

Gude Landfill

Monitoring Location MW-13B - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	100			5			2	10000
7/30/10	--	38.00	1.00 U	5.00	1.00 U	5.00 U	38.00	2.00	1 U	13.00	--
9/15/10	2.00 U	22.70	2.00 U	4.45	2.00 U	2.00 U	32.00	1.71 J	2 U	17.20	--
4/25/11	--	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/20/11	--	27.00	1.00 U	7.30	1.00 U	5.00 U	28.00	4.70	1 U	25.00	1 U
3/13/12	--	30.00	1.00 U	4.30	1.00 U	5.00 U	32.00	1.30	1 U	12.00	1 U
9/17/12	1.00 U	26.50	1.00 U	1.00 U	1.00 U	5.00 U	27.60	1.00 U	5 U	9.83	--
3/28/13	1.00 U	27.00	1.00 U	4.22	1.00 U	5.00 U	29.50	1.27	5 U	11.40	--
9/18/13	1.00 U	24.20	1.00 U	4.18	1.00 U	5.00 U	34.50	1.00 U	5 U	9.96	--
3/13/14	1.00 U	21.10	1.00 U	3.31	1.00 U	5.00 U	22.90	1.00 U	5 U	8.49	--
9/8/14	1.00 U	16.80	1.00 U	3.60	1.00 U	5.00 U	20.20	1.09	5 U	10.80	--
3/18/15	1.00 U	15.80	1.00 U	3.03	1.00 U	5.00 U	19.00	1.00 U	5 U	8.03	--
9/1/15	1.00 U	15.20	1.00 U	2.89	1.00 U	5.00 U	20.70	1.00 U	5 U	7.37	--
3/16/16	1.00 U	16.70	1.00 U	3.18	1.00 U	5.00 U	19.90	1.00 U	5 U	8.09	--
8/29/16	1.00 U	14.20	1.00 U	2.57	1.00 U	5.00 U	16.60	1.00 U	5 U	6.51	--
3/7/17	1.00 U	15.60	1.00 U	2.69	1.00 U	5.00 U	17.20	1.00 U	5 U	6.40	--
9/18/17	1.00 U	14.60	1.00 U	1.75	1.00 U	5.00 U	20.50	1.00 U	5 U	4.42	--
3/28/18	1.00 U	13.40	1.00 U	2.32	1.00 U	5.00 U	15.40	1.00 U	5 U	5.26	--
10/10/18	1.00 U	12.50	1.00 U	2.21	1.00 U	5.00 U	13.80	1.00 U	5 U	5.46	--
4/9/19	--	9.70	1.00 U	2.30	1.00 U	1.00 U	12.30	1.00 U	1 U	6.00	--
8/6/19	--	9.90	1.00 U	2.20	1.00 U	1.00 U	11.00	1.00 U	1 U	5.60	--

Gude Landfill Monitoring Location MW-13B - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/9/20	--	11.20	1.00 U	2.10	1.00 U	1.00 U	11.90	1.00 U	1 U	5.00	--

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill
Monitoring Location MW-14A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	ORP, Field (mV)	pH (SU)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10						
9/2/11	16.0	0.26	56.0	300.0000	0.050 U	--	490.0	2.6000	--	5.40	--	--	--	980
4/18/19	17.6	0.10 U	10.0	160.0000	--	7	--	3.3000	228	--	5.35	5.54	731	590
8/5/19	7.5	0.10 U	16.6	354.0000	--	7	--	5.4000	232	--	4.91	5.45	1	1160
3/17/20	15.7	0.10 U	3.0 U	242.0000	--	7	--	2.8400	247	--	5.05	5.52	1085	876

Gude Landfill
Monitoring Location MW-14A - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
9/2/11	11.0	3.0 UH	--	720	--	360.0	--
4/18/19	15.5	--	17.3	526	125.0	9.1	8.2
8/5/19	24.4	--	17.1	1020	64.0	11.2	8.9
3/17/20	15.7	--	18.2	603	317.0	13.4	28.1

Gude Landfill

Printed 5/20/20

Monitoring Location MW-14A - Dissolved Metals

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Lead, dissolved (mg/L)	Mercury, dissolved (mg/L)	Nickel, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Thallium, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05		0.002
9/2/11	0.001 U	0.001 U	0.420	0.001 U	0.001	0.00 J	0.00	0.002	0.001 J	0.0002 U	0.04	0.001 U	0.00 U	0.001 U

Gude Landfill
Monitoring Location MW-14A - Dissolved Metals

Printed 5/20/20

	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS		
9/2/11	0.01 U	0.071

Gude Landfill
Monitoring Location MW-14A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/2/11	0.0010 U	0.0007 J	0.6200	0.0010 U	0.0007	--	0.0270	0.0150	0.0460	--	0.0023	--	--
4/18/19	0.0010 U	0.0010 U	0.2420	0.0010 U	0.0010 U	30.0	0.0106	0.0042	0.0107	2.4	0.0010 U	23.800	0.039
8/5/19	0.0010 U	0.0010 U	0.4190	0.0010 U	0.0010 U	55.8	0.0077	0.0040	0.0086 B	2.2	0.0010 U	44.700	0.046
3/17/20	0.0010 U	0.0010 U	0.3110	0.0010 U	0.0010 U	40.7	0.0100	0.0032	0.0094	1.4	0.0010 U	32.700	0.030

Gude Landfill
Monitoring Location MW-14A - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
9/2/11	0.0002 U	0.0730	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0350	0.0830
4/18/19	0.0001 U	0.0243	2.98	0.0010 U	0.0010 U	40.9	0.0010 U	--	0.0061	0.0407
8/5/19	0.0001 U	0.0343	3.71	0.0010 U	0.0010 U	69.8	0.0010 U	--	0.0055	0.0683
3/17/20	0.0001 U	0.0286	3.22	0.0010 U	0.0010 U	60.4	0.0010 U	--	0.0029	0.0487

Gude Landfill
Monitoring Location MW-14A - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-14A - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)
MCL/ GWPS	75									5		80	80			5
9/2/11	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	8.90	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-14A - Volatile Organic Compounds

Printed 5/20/20

	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)
MCL/ GWPS	100		80			70		80			700		10000			
9/2/11	1.00 U	1.0 U	0.90 J	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	2.00 U	20.00 U	--	--
4/18/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/5/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
3/17/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U

Gude Landfill
Monitoring Location MW-14A - Volatile Organic Compounds

Printed 5/20/20

	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS		5	10000	100	5	1000	100			5			2
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-14B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	ORP, Field (mV)	pH (SU)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS					0.2			10							
9/2/11	35.0	0.27	20.0 U	7.5000	0.050 U	--	38.0	2.7000	--	5.80	--	--	--	120	0.2 U
4/18/19	34.3	0.10 U	11.0	20.7000	--	5	--	5.4000	148	--	5.81	5.99	214	174	2.5
8/6/19	35.6	0.10 U	6.5	23.6000	--	5	--	5.2000	135	--	5.48	5.87	0	187	2.1
3/17/20	33.5	0.10 U	7.4	20.2000	--	5	--	5.0900	188	--	5.56	6.04	203	178	2.1

Gude Landfill
Monitoring Location MW-14B - General Parameters

Printed 5/20/20

	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/2/11	3.0 UH	--	140	--	2.7	--
4/18/19	--	15.0	184	95.2	6.6	6.2
8/6/19	--	16.2	164	67.5	4.4	4.3
3/17/20	--	14.9	134	27.1	3.5	10.5

Gude Landfill

Printed 5/20/20

Monitoring Location MW-14B - Dissolved Metals

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Lead, dissolved (mg/L)	Mercury, dissolved (mg/L)	Nickel, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Thallium, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05		0.002
9/2/11	0.001 U	0.001 U	0.012	0.001 U	0.001 U	0.00	0.00 U	0.001 U	0.001 U	0.0002 U	0.00	0.001 U	0.00 U	0.001 U

Gude Landfill
Monitoring Location MW-14B - Dissolved Metals

Printed 5/20/20

	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS		
9/2/11	0.01 U	0.012

Gude Landfill
Monitoring Location MW-14B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/2/11	0.0010 U	0.0010 U	0.0130	0.0010 U	0.0010 U	--	0.0016	0.0010 U	0.0010 U	--	0.0010 U	--	--
4/18/19	0.0010 U	0.0010 U	0.0172	0.0010 U	0.0010 U	11.8	0.0037	0.0010 U	0.0022	0.4	0.0010 U	7.200	0.014
8/6/19	0.0010 U	0.0010 U	0.0176	0.0010 U	0.0010 U	13.0 B	0.0041	0.0010 U	0.0014	0.6	0.0010 U	7.980	0.021
3/17/20	0.0010 U	0.0010 U	0.0154	0.0010 U	0.0010 U	11.7	0.0064	0.0010 U	0.0010 U	0.2	0.0010 U	7.430	0.005

Gude Landfill
Monitoring Location MW-14B - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
9/2/11	0.0002 U	0.0014	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0100 U
4/18/19	0.0001 J	0.0030	1.53	0.0010 U	0.0010 U	8.0	0.0010 U	--	0.0010 U	0.0055
8/6/19	0.0001 U	0.0037	1.53	0.0010 U	0.0010 U	8.5 B	0.0010 U	--	0.0010 U	0.0071 B
3/17/20	0.0001 U	0.0048	1.47	0.0010 U	0.0010 U	8.0	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill
Monitoring Location MW-14B - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-14B - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)
MCL/ GWPS	75									5		80	80			5
9/2/11	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	6.90	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/6/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-14B - Volatile Organic Compounds

Printed 5/20/20

	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)
MCL/ GWPS	100		80			70		80			700		10000			
9/2/11	1.00 U	1.0 U	2.00	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	2.00 U	20.00 U	--	--
4/18/19	1.00 U	1.0 U	1.30	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/6/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
3/17/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U

Gude Landfill
Monitoring Location MW-14B - Volatile Organic Compounds

Printed 5/20/20

	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS		5	10000	100	5	1000	100			5			2
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-15 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	ORP, Field (mV)	pH (SU)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS					0.2			10							
9/2/11	30.0	0.39	51.0	11.0000	0.050 U	--	63.0	3.1000	--	5.70	--	--	--	120	0.3
4/18/19	24.0	0.10 U	12.0	25.3000	--	5	--	5.2000	234	--	5.52	5.78	215	175	3.8
8/7/19	1.0 U	0.15	6.5	28.1000	--	5	--	5.3000	237	--	5.17	5.61	0	522	80.6
3/17/20	25.1	0.10 U	5.1	37.0000	--	1	--	4.8900	226	--	5.27	5.77	303	228	8.7

Gude Landfill
Monitoring Location MW-15 - General Parameters

Printed 5/20/20

	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/2/11	3.0 UH	--	100	--	440.0	--
4/18/19	--	16.6	448	1500.0	114.0	203.0
8/7/19	--	17.0	162	144.0	58.2	54.0
3/17/20	--	16.5	164	627.0	82.2	58.8

Gude Landfill
Monitoring Location MW-15 - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Lead, dissolved (mg/L)	Mercury, dissolved (mg/L)	Nickel, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Thallium, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05		0.002
9/2/11	0.001 U	0.001 U	0.027	0.001 U	0.001 U	0.00 J	0.00	0.001 U	0.001 U	0.0002 U	0.00	0.001 U	0.00 U	0.001 U

Gude Landfill
Monitoring Location MW-15 - Dissolved Metals

Printed 5/20/20

	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS		
9/2/11	0.01 U	0.016

Gude Landfill
Monitoring Location MW-15 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/2/11	0.0010 U	0.0018	0.1600	0.0010 U	0.0010 U	--	0.0120	0.0130	0.0560	--	0.0052	--
4/18/19	0.0010 U	0.0010 U	0.0829	0.0010 U	0.0010 U	10.4	0.0134	0.0053	0.0598	11.4	0.0025	11.100
8/7/19	0.0010 U	0.0010 U	0.0905	0.0010 U	0.0010 U	11.5 B	0.0180	0.0055	0.0453	13.1	0.0028	12.800
3/17/20	0.0010 U	0.0010 U	0.0983	0.0010 U	0.0010 U	12.6	0.0175	0.0054	0.0416	12.4	0.0024	14.200

Gude Landfill
Monitoring Location MW-15 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
9/2/11	--	0.0002 U	0.0150	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0120	0.0500
4/18/19	0.167	0.0001 U	0.0152	1.98	0.0016	0.0010 U	7.2	0.0010 U	--	0.0100	0.0488
8/7/19	0.194	0.0001 U	0.0199	1.89	0.0023	0.0010 U	8.2 B	0.0010 U	--	0.0092	0.0550 B
3/17/20	0.188	0.0001 U	0.0198	2.03	0.0018	0.0010 U	10.9	0.0010 U	--	0.0090	0.0477

Gude Landfill

Printed 5/20/20

Monitoring Location MW-15 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-15 - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)
MCL/ GWPS	75									5		80	80			5
9/2/11	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.60 B	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-15 - Volatile Organic Compounds

Printed 5/20/20

	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)
MCL/ GWPS	100		80			70		80			700		10000			
9/2/11	1.00 U	1.0 U	2.00	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	2.00 U	20.00 U	--	--
4/18/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/7/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
3/17/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U

Gude Landfill
Monitoring Location MW-15 - Volatile Organic Compounds

Printed 5/20/20

	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS		5	10000	100	5	1000	100			5			2
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-16A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/12/17	235.0	0.20 U	31.8	105.0000	0	270.0	0.2000 U	0 U	0.05 U	133	6.43	--	791	--	13.0
3/27/18	229.0	0.20 U	32.6	108.0000	--	330.0	0.2000 U	0 U	0.05 U	-19	6.39	--	699	--	14.1
9/6/18	224.0	0.20 U	28.2	72.4000	--	165.0	2.1700	2	0.05 U	-38	6.23	--	655	--	14.9
4/9/19	200.0	0.19	21.0	37.2000	0	--	0.5000	--	--	-21	6.16	6.43	746	604	16.4
8/5/19	217.0	0.13	32.8	59.4000	0	--	8.4000	--	--	0	6.02	6.40	1	659	20.0
3/10/20	240.0	0.18	29.6	73.0000	0	--	3.8100	--	--	-38	6.26	6.49	782	731	20.5

Gude Landfill
Monitoring Location MW-16A - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/12/17	20.2	463	--	--	4.3
3/27/18	14.9	426	--	--	1.3
9/6/18	23.8	358	--	--	7.0
4/9/19	21.3	365	72.7	25.7	36.4
8/5/19	22.4	408	29.3	37.1	6.6
3/10/20	20.6	431	21.6	28.7	19.8

Gude Landfill
Monitoring Location MW-16A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/12/17	0.002 U	0.003	0.305	0.002 U	0.002 U	26.1	0.00 U	0.01	0.002 U	11.9	0.002 U	31.2	9.060	0.0002 U
3/27/18	0.002 U	0.005	0.298	0.002 U	0.002 U	25.0	0.01	0.01	0.002 U	11.6	0.002 U	30.2	9.990	0.0002 U
9/6/18	0.002 U	0.003	0.264	0.002 U	0.002 U	21.4	0.01	0.01	0.002 U	10.6	0.002 U	25.3	9.010	0.0002 U

Gude Landfill
Monitoring Location MW-16A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/12/17	0.01	3.3	0.004	0.00 U	72.2	0.001 U	0.00 U	0.005
3/27/18	0.01	3.5	0.005	0.00 U	72.4	0.001 U	0.00 U	0.005
9/6/18	0.01	3.4	0.003	0.00 U	65.6	0.001 U	0.00 U	0.006

Gude Landfill
Monitoring Location MW-16A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/12/17	0.0050 U	0.0050 U	0.3180	0.0050 U	0.0050 U	46.8	0.0050 U	0.0073	0.0067	12.2	0.0050 U	55.000
3/27/18	0.0050 U	0.0050 U	0.3000	0.0050 U	0.0050 U	27.1	0.0050 U	0.0076	0.0050 U	12.7	0.0050 U	31.300
9/6/18	0.0020 U	0.0035	0.2640	0.0020 U	0.0020 U	22.3	0.0043	0.0060	0.0035	11.6	0.0020 U	26.700
4/9/19	0.0010 U	0.0021	0.2170	0.0010 U	0.0010 U	16.4	0.0215	0.0070	0.0078	6.9	0.0013	23.700
8/5/19	0.0010 U	0.0022	0.2340	0.0010 U	0.0010 U	17.6	0.0161	0.0055	0.0080 B	7.6	0.0018	26.600
3/10/20	0.0010 U	0.0031	0.3090	0.0010 U	0.0010 U	20.7	0.0076	0.0071	0.0024	10.5	0.0010 U	32.600

Gude Landfill
Monitoring Location MW-16A - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/12/17	8.830	0.0002 U	0.0089	3.57	0.0050 U	0.0050 U	125.0	0.0050 U	0.0050 U	0.0493
3/27/18	9.510	0.0002 U	0.0069	3.64	0.0050 U	0.0050 U	81.1	0.0050 U	0.0050 U	0.0273
9/6/18	9.570	0.0002 U	0.0068	3.55	0.0031	0.0020 U	68.3	0.0010 U	0.0020 U	0.0096
4/9/19	12.700	0.0001 U	0.0193	3.53	0.0010 U	0.0010 U	59.6	0.0010 U	0.0017	0.0246 B
8/5/19	9.060	0.0001 U	0.0140	3.39	0.0010 U	0.0010 U	70.0	0.0010 U	0.0012	0.0183 B
3/10/20	10.700	0.0001 U	0.0104	3.98	0.0010 U	0.0010 U	85.9	0.0010 U	0.0010 U	0.0084

Gude Landfill

Printed 5/20/20

Monitoring Location MW-16A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-16A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/12/17	1.00 U	1.00 U	3.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	3.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	2.79	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.30	1.00 U	5.00 U	--	5.00 U	--	5 U	6.30 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/5/19	--	1.00 U	1.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/10/20	--	1.00 U	2.00	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-16A - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/12/17	1.00 U	1.00 U	5.00 U	1.00 U	12.00	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/27/18	1.00 U	1.00 U	5.00 U	1.00 U	11.20	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	6.77	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	4.10	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	6.00	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-16A - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/12/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-16A - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-16B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/12/17	167.0	0.20 U	30.7	329.0000	--	460.0	1.5400	2	0.05 U	301	6.01	--	1246	--	8.4
3/27/18	168.0	0.20 U	39.8	338.0000	--	124.0	1.4900	2	0.05 U	30	6.08	--	1219	--	8.6
9/6/18	128.0	0.20 U	22.2	180.0000	--	342.0	3.5800	4	0.05 U	118	5.99	--	871	--	17.6
4/9/19	146.0	0.10 U	30.0	210.0000	0	--	0.2000 U	--	--	83	5.94	6.23	1174	961	14.7
8/5/19	151.0	0.10 U	27.4	257.0000	0	--	2.3000	--	--	106	5.66	6.09	1	1050	7.8
3/10/20	159.0	0.10 U	39.6	126.0000	1	--	0.4800	--	--	107	5.95	6.20	1150	1110	3.9

Gude Landfill
Monitoring Location MW-16B - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/12/17	19.0	825	--	--	4.7
3/27/18	13.8	774	--	--	2.2
9/6/18	19.9	498	--	--	6.8
4/9/19	19.4	588	7.5	4.3	3.7
8/5/19	19.4	719	2.3 U	3.3	9.8
3/10/20	19.6	650	2.6	6.0	0.7

Gude Landfill
Monitoring Location MW-16B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/12/17	0.002 U	0.002	0.064	0.002 U	0.002 U	84.0	0.00 U	0.01	0.002 U	1.5	0.002 U	71.6	12.900	0.0002 U
3/27/18	0.002 U	0.005	0.058	0.002 U	0.002 U	81.7	0.01	0.01	0.002 U	1.0	0.002 U	69.1	14.200	0.0002 U
9/6/18	0.002 U	0.002	0.029	0.002 U	0.002 U	60.1	0.01	0.01	0.002 U	0.7	0.002 U	47.4	8.600	0.0002 U

Gude Landfill
Monitoring Location MW-16B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/12/17	0.02	4.2	0.008	0.00 U	47.3	0.001 U	0.00 U	0.011
3/27/18	0.02	4.3	0.012	0.00 U	48.9	0.001 U	0.00 U	0.016
9/6/18	0.01	3.5	0.006	0.00 U	32.2	0.001 U	0.00 U	0.006

Gude Landfill
Monitoring Location MW-16B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/12/17	0.0050 U	0.0050 U	0.0743	0.0050 U	0.0050 U	88.5	0.0050 U	0.0139	0.0063	2.0	0.0050 U	76.100
3/27/18	0.0020 U	0.0050	0.0590	0.0020 U	0.0020 U	82.8	0.0052	0.0125	0.0020 U	0.9	0.0020 U	70.000
9/6/18	0.0020 U	0.0025	0.0289	0.0020 U	0.0020 U	59.3	0.0035	0.0085	0.0020 U	0.8	0.0020 U	47.100
4/9/19	0.0010 U	0.0010 U	0.0271	0.0010 U	0.0010 U	51.7	0.0044	0.0078	0.0015	0.7	0.0010 U	48.600
8/5/19	0.0010 U	0.0011	0.0279	0.0010 U	0.0010 U	54.8	0.0017	0.0078	0.0010 U	1.0	0.0010 U	56.100
3/10/20	0.0010 U	0.0014	0.0299	0.0010 U	0.0010 U	63.0	0.0049	0.0089	0.0031	1.3	0.0010 U	67.600

**Gude Landfill
Monitoring Location MW-16B - Total Metals**

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/12/17	13.100	0.0002 U	0.0216	4.43	0.0062	0.0050 U	50.3	0.0050 U	0.0050 U	0.0468
3/27/18	15.000	0.0002 U	0.0196	4.22	0.0117	0.0020 U	48.1	0.0010 U	0.0020 U	0.0178
9/6/18	8.510	0.0002 U	0.0130	3.49	0.0059	0.0020 U	31.8	0.0010 U	0.0020 U	0.0064
4/9/19	16.300	0.0001 U	0.0172	3.61	0.0010 U	0.0010 U	36.0	0.0010 U	0.0010 U	0.0067 B
8/5/19	10.000	0.0001 U	0.0134	3.63	0.0010 U	0.0010 U	39.9	0.0010 U	0.0010 U	0.0080 B
3/10/20	12.300	0.0001 U	0.0150	4.18	0.0010 U	0.0010 U	49.4	0.0010 U	0.0010 U	0.0073

Gude Landfill

Printed 5/20/20

Monitoring Location MW-16B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-16B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/12/17	1.00 U	1.00 U	7.56	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.25	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	5.57	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.10	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	3.89	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	3.90	1.00 U	5.00 U	--	5.00 U	--	5 U	9.50 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/5/19	--	1.00 U	5.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/10/20	--	1.00 U	5.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-16B - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/12/17	1.00 U	1.00 U	5.00 U	1.00 U	12.20	1.0 U	1.00 U	1.00 U	--	6.59	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/27/18	1.00 U	1.00 U	5.00 U	1.00 U	10.50	1.0 U	1.00 U	1.00 U	--	4.83	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	9.52	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	10.30	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	11.80	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	11.50	1.0 U	1.00 U	1.00 U	1 U	1.10	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-16B - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/12/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill

Monitoring Location MW-16B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-19A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/18/17	60.0	0.20 U	10.0 U	288.0000	1	268.0	2.0300	2	0.05 U	414	5.80	--	1090	--	11.3
4/4/18	50.5	0.20 U	10.0 U	304.0000	--	243.0	2.5700	3	0.05 U	290	5.78	--	962	--	12.9
9/11/18	52.3	0.20 U	10.0 U	290.0000	--	255.0	2.0600	2	0.05 U	207	5.66	--	1005	--	12.8
4/12/19	57.2	0.10 U	5.0	267.0000	0	--	2.1000	--	--	181	5.71	5.86	1192	1010	13.6
8/7/19	61.4	0.10 U	3.0 U	290.0000	0	--	2.3000	--	--	191	5.42	5.95	1	1040	13.5
3/12/20	58.4	0.10 J	3.0 U	257.0000	1	--	2.1300	--	--	256	5.54	5.97	1196	990	14.0

Gude Landfill
Monitoring Location MW-19A - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/18/17	17.9	685	--	--	0.0
4/4/18	14.1	646	--	--	5.2
9/11/18	19.7	593	--	--	0.0
4/12/19	14.4	795	81.0	13.4	9.1
8/7/19	15.2	797	17.0	34.3	8.3
3/12/20	13.4	643	47.9	3.5	11.2

Gude Landfill
Monitoring Location MW-19A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.128	0.002 U	0.002 U	47.7	0.00 U	0.00	0.003	0.2	0.002 U	34.4	1.250	0.0002 U
4/4/18	0.002 U	0.002 U	0.125	0.002 U	0.002 U	42.2	0.00	0.00	0.002 U	0.1 U	0.002 U	30.8	1.180	0.0002 U
9/11/18	0.002 U	0.002 U	0.112	0.002 U	0.002 U	45.5	0.00 U	0.00	0.002	0.1 U	0.002 U	35.1	1.440	0.0002 U

Gude Landfill
Monitoring Location MW-19A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.00	4.0	0.002 U	0.00 U	90.6	0.001 U	0.00 U	0.013
4/4/18	0.01	3.8	0.002 U	0.00 U	101.0	0.001 U	0.00 U	0.013
9/11/18	0.01	3.7	0.002 U	0.00 U	82.9	0.001 U	0.00 U	0.023

Gude Landfill
Monitoring Location MW-19A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/18/17	0.0050 U	0.0050 U	0.1400	0.0050 U	0.0050 U	48.5	0.0050 U	0.0050	0.0094	1.7	0.0050 U	35.700	1.370
4/4/18	0.0020 U	0.0020 U	0.1250	0.0020 U	0.0020 U	43.9	0.0020 U	0.0032	0.0020 U	0.1 U	0.0020 U	32.400	1.200
9/11/18	0.0020 U	0.0020 U	0.1150	0.0020 U	0.0020 U	46.8	0.0020 U	0.0048	0.0187	0.1 U	0.0020 U	33.600	1.560
4/12/19	0.0010 U	0.0010 U	0.1180	0.0010 U	0.0010 U	45.2	0.0024	0.0119	0.0059	1.8 B	0.0010 U	37.900	1.710
8/7/19	0.0010 U	0.0010 U	0.1100	0.0010 U	0.0010 U	44.0 B	0.0026	0.0069	0.0066	0.9	0.0011	38.400	1.530 J
3/12/20	0.0010 U	0.0010 U	0.1070	0.0010 U	0.0010 U	44.6	0.0010 U	0.0054	0.0010 U	0.3	0.0010 U	38.100	1.610

Gude Landfill
Monitoring Location MW-19A - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/18/17	0.0007	0.0071	4.02	0.0050 U	0.0050 U	100.0	0.0050 U	0.0050 U	0.0398
4/4/18	0.0007	0.0059	3.97	0.0020 U	0.0020 U	97.1	0.0010 U	0.0020 U	0.0131
9/11/18	0.0007	0.0085	3.50	0.0020 U	0.0020 U	86.8	0.0010 U	0.0020 U	0.0301
4/12/19	0.0008	0.0094	3.78	0.0010 U	0.0010 U	79.2	0.0010 U	0.0021	0.0344 B
8/7/19	0.0004	0.0084	3.74	0.0010 U	0.0010 U	85.1 B	0.0010 U	0.0010 U	0.0313 B
3/12/20	0.0007	0.0070	3.71	0.0010 U	0.0010 U	80.0	0.0010 U	0.0010 U	0.0272

Gude Landfill

Printed 5/20/20

Monitoring Location MW-19A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.07	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.54	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	2.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-19A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/12/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.00 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-19A - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.52	1.00 U	1.00 U	1.83	--	1.00 U	--
4/4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.27	1.00 U	1.00 U	3.12	--	1.00 U	--
9/11/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.31	1.00 U	1.00 U	3.60	--	1.00 U	--
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	7.00	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	5.90	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	6.50	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-19A - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.22
4/4/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.24
9/11/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.16
4/12/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.80
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.40
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.60

Gude Landfill
Monitoring Location MW-19A - Volatile Organic Compounds

Printed 5/20/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.99	1.00 U	5 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.45	1.00 U	5 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-19B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/18/17	106.0	0.20 U	10.0 U	128.0000	--	262.0	1.2800	1	0.05 U	338	6.18	--	552	--	6.6
4/4/18	99.6	0.20 U	10.0 U	147.0000	--	268.0	1.5200	2	0.05 U	191	6.04	--	605	--	7.3
9/11/18	96.0	0.20 U	10.0 U	154.0000	--	288.0	1.5100	2	0.05 U	232	5.84	--	674	--	7.8
4/12/19	104.0	0.10 U	5.0	173.0000	0	--	1.6000	--	--	156	5.95	6.09	906	754	9.7
8/7/19	105.0	0.10 U	4.2	172.0000	0	--	1.9000	--	--	168	5.66	6.10	1	766	9.3
3/12/20	105.0	0.10 U	7.8	178.0000	0	--	1.5000	--	--	191	5.79	6.10	953	788	10.2

Gude Landfill
Monitoring Location MW-19B - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/18/17	15.5	458	--	--	3.9
4/4/18	14.5	437	--	--	2.6
9/11/18	15.3	455	--	--	4.2
4/12/19	14.0	677	41.4	5.7	8.1
8/7/19	15.2	614	18.0	10.0	9.9
3/12/20	13.0	575	6.2	2.3	4.1

Gude Landfill
Monitoring Location MW-19B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.028	0.002 U	0.002 U	77.9	0.00 U	0.00 U	0.002 U	0.3	0.002 U	22.3	0.029	0.0002 U
4/4/18	0.002 U	0.002 U	0.027	0.002 U	0.002 U	64.4	0.00	0.00 U	0.002 U	0.1 U	0.002 U	23.3	0.018	0.0002 U
9/11/18	0.002 U	0.002 U	0.030	0.002 U	0.002 U	63.1	0.00	0.00 U	0.002 U	0.1 U	0.002 U	28.0	0.026	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-19B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.00	2.0	0.002 U	0.00 U	19.4	0.001 U	0.00 U	0.002 U
4/4/18	0.00	2.1	0.002 U	0.00 U	20.6	0.001 U	0.00 U	0.002
9/11/18	0.00	2.2	0.002 U	0.00 U	19.0	0.001 U	0.00 U	0.002

Gude Landfill
Monitoring Location MW-19B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/18/17	0.0050 U	0.0050 U	0.0354	0.0050 U	0.0050 U	65.9	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	22.900	0.036
4/4/18	0.0050 U	0.0050 U	0.0337	0.0050 U	0.0050 U	69.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	23.300	0.027
9/11/18	0.0050 U	0.0050 U	0.0308	0.0050 U	0.0050 U	67.7	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	28.900	0.026
4/12/19	0.0010 U	0.0010 U	0.0362	0.0010 U	0.0010 U	64.6	0.0076	0.0010 U	0.0018	0.5 B	0.0010 U	32.400	0.048
8/7/19	0.0010 U	0.0010 U	0.0336	0.0010 U	0.0010 U	61.5 B	0.0047	0.0010 U	0.0020	0.5	0.0010 U	31.100	0.031
3/12/20	0.0010 U	0.0010 U	0.0334	0.0010 U	0.0010 U	65.7	0.0010 U	0.0010 U	0.0010 U	0.1	0.0010 U	33.600	0.030

Gude Landfill
Monitoring Location MW-19B - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/18/17	0.0002 U	0.0050 U	2.00	0.0050 U	0.0050 U	19.6	0.0050 U	0.0050 U	0.0227
4/4/18	0.0002 U	0.0050 U	2.02	0.0050 U	0.0050 U	19.3	0.0050 U	0.0050 U	0.0192
9/11/18	0.0003	0.0050 U	2.28	0.0050 U	0.0050 U	21.7	0.0050 U	0.0050 U	0.0050 U
4/12/19	0.0003	0.0047	2.47	0.0010 U	0.0010 U	22.9	0.0010 U	0.0010 U	0.0142 B
8/7/19	0.0003	0.0045	2.32	0.0010 U	0.0010 U	22.5 B	0.0010 U	0.0010 U	0.0070 B
3/12/20	0.0002	0.0032	2.44	0.0010 U	0.0010 U	23.3	0.0010 U	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-19B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	4.25	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	4.01	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	4.21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	5.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	4.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	4.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-19B - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.12	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/12/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.00 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-19B - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	10.90	1.00 U	1.00 U	5.90	--	1.00 U	--
4/4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	5.57	--	1.00 U	--
9/11/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.60	1.00 U	1.00 U	5.92	--	1.00 U	--
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	15.00	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.0 U	1.00 U	1.00 U	1 U	14.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.0 U	1.00 U	1.00 U	1 U	15.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-19B - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.84
4/4/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.30
9/11/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.44
4/12/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.20	--	--	1.00 U	--	--	1.00 U	--	2.30
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.10	--	--	1.00 U	--	--	1.00 U	--	2.20
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.10	--	--	1.00 U	--	--	1.00 U	--	2.10

Gude Landfill
Monitoring Location MW-19B - Volatile Organic Compounds

Printed 5/20/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	3.94	1.00 U	5 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	4.22	1.00 U	5 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	4.46	1.15	5 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	4.90	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-21A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS							10		1					
9/18/17	302.0	5.40	14.8	117.0000	0	328.0	1.0700	1	0.05 U	316	6.17	--	956	--
4/2/18	276.0	3.34	21.6	52.6000	--	249.0	2.5400	3	0.05 U	194	6.38	--	664	--
9/6/18	362.0	5.81	23.7	40.5000	--	307.0	0.3570	0	0.05 U	72	6.28	--	819	--
4/18/19	452.0	11.90	37.0	106.0000	0	--	0.2000 U	--	--	2	6.29	6.41	15	1120
7/29/19	262.0	7.05	26.3	147.0000	0	--	0.9000	--	--	200	6.05	5.91	1025	1100
3/11/20	81.9	4.99	19.1	56.9000	1	--	1.3600	--	--	58	6.22	6.28	702	832

Gude Landfill
Monitoring Location MW-21A - General Parameters

Printed 5/20/20

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/18/17	23.4	17.0	508	--	--	2.3
4/2/18	34.3	10.7	339	--	--	3.5
9/6/18	23.6	25.3	454	--	--	6.9
4/18/19	17.0	12.1	624	10.7	35.8	8.7
7/29/19	66.1	17.7	633	8.8	20.0	3.1
3/11/20	174.0	11.3	523	12.7	11.4	16.3

Gude Landfill
Monitoring Location MW-21A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.197	0.002 U	0.002 U	50.3	0.00 U	0.02	0.002	0.3	0.002 U	38.9	13.800	0.0002 U
4/2/18	0.002 U	0.002 U	0.135	0.002 U	0.002 U	55.7	0.01	0.02	0.003	0.1 U	0.002 U	29.9	6.490	0.0002 U
9/6/18	0.002 U	0.002 U	0.215	0.002 U	0.002 U	72.4	0.01	0.02	0.003	3.2	0.002 U	32.6	5.360	0.0002 U

Gude Landfill
Monitoring Location MW-21A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.01	10.0	0.002 U	0.00 U	59.7	0.001 U	0.00 U	0.014
4/2/18	0.01	12.3	0.002 U	0.00 U	41.8	0.001 U	0.00 J	0.020
9/6/18	0.01	25.0	0.002 U	0.00 U	36.3	0.001 U	0.00	0.013

Gude Landfill
Monitoring Location MW-21A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/18/17	0.0050 U	0.0050 U	0.2050	0.0050 U	0.0050 U	53.5	0.0050 U	0.0228	0.0050 U	0.6	0.0050 U	40.100
4/2/18	0.0050 U	0.0050 U	0.1530	0.0050 U	0.0050 U	53.2	0.0050 U	0.0160	0.0050 U	0.2	0.0050 U	28.300
9/6/18	0.0020 U	0.0020 U	0.2020	0.0020 U	0.0020 U	70.1	0.0086	0.0236	0.0072	2.4	0.0020 U	32.200
4/18/19	0.0010 U	0.0026	0.4760	0.0010 U	0.0010 U	69.4	0.0020	0.1390	0.0027	18.8	0.0010 U	46.900
7/29/19	0.0010 U	0.0010 U	0.3100	0.0010 U	0.0010 U	53.6 B	0.0012	0.0832	0.0054	8.1	0.0010 U	41.100
3/11/20	0.0010 U	0.0010 U	0.2130	0.0010 U	0.0010 U	50.7	0.0010 U	0.0670	0.0010 U	6.3	0.0010 U	39.600

Gude Landfill

Monitoring Location MW-21A - Total Metals

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/18/17	13.800	0.0002 U	0.0078	9.91	0.0050 U	0.0050 U	67.0	0.0050 U	0.0050 U	0.0287
4/2/18	6.610	0.0002 U	0.0108	11.80	0.0050 U	0.0050 U	43.2	0.0050 U	0.0050 U	0.0442
9/6/18	5.940	0.0002 U	0.0139	23.50	0.0020 U	0.0020 U	35.7	0.0010 U	0.0023	0.0147
4/18/19	16.100	0.0006	0.0263	25.30	0.0010 U	0.0010 U	66.4	0.0013	0.0010 U	0.0395
7/29/19	13.800	0.0001 U	0.0185	17.80	0.0010 U	0.0010 U	80.5 B	0.0010 U	0.0010 U	0.0185
3/11/20	9.830	0.0001 U	0.0124	13.70	0.0010 U	0.0010 U	50.0	0.0010 U	0.0010 U	0.0116

Gude Landfill

Printed 5/20/20

Monitoring Location MW-21A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	3.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.70
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-21A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	6.10 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/11/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-21A - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	10.00	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.03	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.03	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	9.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	20.50	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	5.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-21A - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.79
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	3.50
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	5.40
3/11/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.50

Gude Landfill

Monitoring Location MW-21A - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	4.88	1.00 U	5 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.92	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	5.60	1.00 U	1 U	1.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	11.30	1.00 U	1 U	2.30
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	3.50	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-21B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/18/17	177.0	0.63	11.6	99.8000	--	46.0	0.2000 U	0 U	0.05 U	17	7.58	--	515	--	45.7
4/2/18	290.0	0.81	17.0	159.0000	1	377.0	0.2000 U	0 U	0.05 U	-99	7.02	--	1093	--	11.5
9/6/18	350.0	0.93	24.5	200.0000	--	373.0	0.2000 U	0 U	0.05 U	-130	6.59	--	1303	--	6.8
4/18/19	263.0	0.57	27.0	174.0000	0	--	0.2000 U	--	--	-79	6.49	6.50	1324	952	13.4
7/29/19	207.0	0.29	16.5	128.0000	0	--	1.5000	--	--	200	6.55	6.35	9	842	40.2
3/11/20	101.0	0.27	14.7	134.0000	1	--	0.2000 U	--	--	-19	6.44	6.60	777	811	22.0

Gude Landfill
Monitoring Location MW-21B - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/18/17	21.3	418	--	--	38.9
4/2/18	10.4	479	--	--	51.5
9/6/18	28.6	666	--	--	7.9
4/18/19	14.2	621	63.4	364.0	25.1
7/29/19	20.9	507	22.6	102.0	30.3
3/11/20	13.1	482	36.8	141.0	37.9

Gude Landfill
Monitoring Location MW-21B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.052	0.002 U	0.002 U	50.4	0.00 U	0.00 U	0.002 U	3.6	0.002 U	17.2	3.120	0.0002 U
4/2/18	0.002 U	0.002	0.090	0.002 U	0.002 U	85.5	0.01	0.01	0.002 U	22.7	0.002 U	27.1	4.280	0.0002 U
9/6/18	0.002 U	0.003	0.165	0.002 U	0.002 U	91.1	0.01	0.04	0.002 U	75.8	0.002 U	36.7	5.700	0.0002 U

Gude Landfill
Monitoring Location MW-21B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.00 U	32.0	0.002 U	0.00 U	42.3	0.001 U	0.00 U	0.002 U
4/2/18	0.01	14.5	0.005	0.00 U	53.1	0.001 U	0.00 U	0.003
9/6/18	0.01	13.2	0.004	0.00 U	69.9	0.001 U	0.00	0.002 U

Gude Landfill
Monitoring Location MW-21B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/18/17	0.0050 U	0.0050 U	0.0647	0.0050 U	0.0050 U	61.1	0.0075	0.0050 U	0.0073	5.6	0.0050 U	21.600
4/2/18	0.0050 U	0.0050 U	0.1190	0.0050 U	0.0050 U	96.5	0.0050 U	0.0083	0.0061	28.1	0.0050 U	33.000
9/6/18	0.0050 U	0.0050 U	0.1990	0.0050 U	0.0050 U	88.8	0.0276	0.0412	0.0266	91.2	0.0121	36.700
4/18/19	0.0010 U	0.0020	0.1230	0.0010 U	0.0010 U	66.1	0.0112	0.0676	0.0043	63.1	0.0012	31.400
7/29/19	0.0010 U	0.0010 U	0.0750	0.0010 U	0.0010 U	64.7 B	0.0163	0.0310	0.0024	19.0	0.0010 U	22.600
3/11/20	0.0010 U	0.0012	0.0789	0.0010 U	0.0010 U	68.4	0.0042	0.0325	0.0051	19.4	0.0010 U	24.400

**Gude Landfill
Monitoring Location MW-21B - Total Metals**

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/18/17	4.030	0.0002 U	0.0050 U	30.30	0.0050 U	0.0050 U	46.8	0.0050 U	0.0050 U	0.0283
4/2/18	5.300	0.0002 U	0.0066	14.90	0.0050 U	0.0050 U	58.5	0.0050 U	0.0050 U	0.0263
9/6/18	4.950	0.0002 U	0.0213	13.00	0.0054	0.0050 U	70.4	0.0050 U	0.0097	0.0360
4/18/19	6.390	0.0001	0.0336	8.05	0.0010 U	0.0010 U	60.0	0.0010 U	0.0010 U	0.0105
7/29/19	4.720	0.0001 U	0.0265	16.90	0.0010 U	0.0010 U	45.2 B	0.0010 U	0.0010 U	0.0096
3/11/20	4.320	0.0001 U	0.0168	11.60	0.0010 U	0.0010 U	42.5	0.0010 U	0.0010 U	0.0079

Gude Landfill

Printed 5/20/20

Monitoring Location MW-21B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	2.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	4.61	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.30
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	5.59	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.65
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	7.90	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	2.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	5.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30

Gude Landfill
Monitoring Location MW-21B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/11/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-21B - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	5.22	1.00 U	--	2.63	1.00 U	1.00 U	2.01	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.18	1.00 U	1.00 U	5.11	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.15	1.0 U	1.00 U	1.00 U	--	9.66	1.00 U	1.00 U	5.37	--	1.00 U	--
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	17.90	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	10.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	12.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-21B - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.24	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.90
3/11/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.60

Gude Landfill

Monitoring Location MW-21B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.15	1.00 U	5 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.73	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	2.73	1.00 U	5 U	1.20
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	11.70	1.00 U	1 U	2.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	6.40	1.00 U	1 U	1.00 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	9.50	1.00 U	1 U	1.20

Gude Landfill
Monitoring Location MW-22A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	295.0	0.20 U	10.0 U	137.0000	0	410.0	0.2000 U	0 U	0.05 U	170	6.65	--	1047	--	35.5
3/29/18	298.0	0.20 U	11.9	145.0000	--	440.0	0.2000 U	0 U	0.05 U	8	6.87	--	921	--	37.5
9/5/18	305.0	0.20 U	12.2	154.0000	--	430.0	0.2000 U	0 U	0.05 U	-12	6.68	--	1054	--	33.0
4/10/19	360.0	0.10 U	14.0	131.0000	0	--	0.2000 U	--	--	-21	6.46	6.39	1291	1070	39.6
7/29/19	373.0	0.10 U	12.3	141.0000	0	--	0.2000 U	--	--	200	6.42	6.21	1018	1120	37.5
3/5/20	406.0	0.12	7.7	130.0000	0	--	0.2000 U	--	--	23	6.43	6.55	1005	1110	33.2

Gude Landfill
Monitoring Location MW-22A - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	16.8	595	--	--	23.5
3/29/18	13.7	573	--	--	8.5
9/5/18	27.5	629	--	--	5.5
4/10/19	13.5	645	6.4	20.7	6.5
7/29/19	16.2	681	36.7	24.1	5.4
3/5/20	12.9	667	5.0	20.3	3.0

Gude Landfill
Monitoring Location MW-22A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.002 U	0.018	0.002 U	0.002 U	103.0	0.00	0.00 U	0.002 U	4.0	0.002 U	30.6	1.090	0.0002 U
3/29/18	0.002 U	0.002 U	0.024	0.002 U	0.002 U	107.0	0.01	0.00	0.002 U	3.0	0.002 U	32.8	1.620	0.0002 U
9/5/18	0.002 U	0.002 U	0.019	0.002 U	0.002 U	119.0	0.01	0.00 U	0.002 U	3.8	0.002 U	29.8	1.060	0.0002 U

Gude Landfill

Monitoring Location MW-22A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.00	4.4	0.003	0.00 U	71.9	0.001 U	0.00 U	0.002 U
3/29/18	0.01	4.7	0.005	0.00 U	78.4	0.001 U	0.00 U	0.004
9/5/18	0.00	4.5	0.004	0.00 U	69.2	0.001 U	0.00 U	0.002 U

Gude Landfill
Monitoring Location MW-22A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/14/17	0.0050 U	0.0050 U	0.0228	0.0050 U	0.0050 U	110.0	0.0050 U	0.0050 U	0.0050 U	4.7	0.0050 U	30.000
3/29/18	0.0020 U	0.0020 U	0.0168	0.0020 U	0.0020 U	121.0	0.0029	0.0020 U	0.0020 U	4.0	0.0020 U	28.900
9/5/18	0.0020 U	0.0020	0.0186	0.0020 U	0.0020 U	124.0	0.0037	0.0020 U	0.0028	4.3	0.0020 U	29.300
4/10/19	0.0010 U	0.0010 U	0.0219	0.0010 U	0.0010 U	85.4 B	0.0010 U	0.0011	0.0010 U	4.3	0.0010 U	36.600
7/29/19	0.0010 U	0.0016	0.0238	0.0010 U	0.0010 U	91.0 B	0.0020	0.0014	0.0021	8.7	0.0010 U	35.300
3/5/20	0.0010 U	0.0010 U	0.0278	0.0010 U	0.0013	86.7	0.0010 U	0.0031	0.0023	3.4	0.0010 U	38.500

**Gude Landfill
Monitoring Location MW-22A - Total Metals**

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/14/17	0.737	0.0002 U	0.0050 U	4.45	0.0050 U	0.0050 U	57.9	0.0050 U	0.0050 U	0.0203
3/29/18	0.620	0.0002 U	0.0033	4.31	0.0053	0.0020 U	58.5	0.0010 U	0.0020 U	0.0024
9/5/18	0.721	0.0002 U	0.0037	4.35	0.0044	0.0020 U	59.4	0.0010 U	0.0020 U	0.0112
4/10/19	1.730	0.0001 U	0.0049	4.93	0.0010 U	0.0010 U	83.2	0.0010 U	0.0010 U	0.0048
7/29/19	1.930	0.0001 U	0.0058	5.10	0.0010 U	0.0010 U	85.2 B	0.0010 U	0.0010 U	0.0040 U
3/5/20	2.520	0.0001 U	0.0085	5.13	0.0010 U	0.0010 U	107.0	0.0010 U	0.0010 U	0.0043

Gude Landfill

Printed 5/20/20

Monitoring Location MW-22A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-22A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.50	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/5/20	--	1.00 U	1.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-22A - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.65	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/29/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.51	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/5/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.87	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.0 U	1.00 U	1.00 U	1 U	7.30	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.0 U	1.00 U	1.00 U	1 U	4.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-22A - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.40
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-22A - Volatile Organic Compounds

Printed 5/20/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	5.21	1.00 U	5 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	4.82	1.00 U	5 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	3.08	1.00 U	5 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U	1 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U	1 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	2.90	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-22B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	328.0	0.20 U	10.0 U	125.0000	0	400.0	0.2000 U	0 U	0.05 U	150	6.91	--	960	--	43.5
3/29/18	323.0	0.20 U	10.1	129.0000	--	412.0	0.2000 U	0 U	0.05 U	-32	6.84	--	940	--	36.8
9/5/18	298.0	0.20 U	10.2	133.0000	--	392.0	0.2000 U	0 U	0.05 U	-34	6.80	--	967	--	29.8
4/10/19	283.0	0.10 U	8.0	120.0000	0	--	0.2000 U	--	--	-57	6.90	6.75	1162	953	75.1
7/29/19	289.0	0.10 U	18.6	127.0000	0	--	0.4000	--	--	200	6.87	6.11	918	954	37.2
3/5/20	285.0	0.10 U	3.0 U	123.0000	1	--	0.2000 U	--	--	-46	6.88	6.94	830	932	34.1

Gude Landfill
Monitoring Location MW-22B - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	18.1	615	--	--	344.1
3/29/18	15.2	557	--	--	0.0
9/5/18	20.4	574	--	--	1.9
4/10/19	15.4	599	10.2	33.1	6.0
7/29/19	19.0	585	8.6	15.3	9.4
3/5/20	13.0	540	6.8	31.2	8.9

Gude Landfill
Monitoring Location MW-22B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.005	0.056	0.002 U	0.002 U	103.0	0.00	0.00 U	0.002 U	1.9	0.002 U	25.2	0.823	0.0002 U
3/29/18	0.002 U	0.011	0.043	0.002 U	0.002 U	114.0	0.00	0.00 U	0.002 U	2.6	0.002 U	25.7	0.767	0.0002 U
9/5/18	0.002 U	0.005	0.040	0.002 U	0.002 U	114.0	0.01	0.00 U	0.002 U	1.1	0.002 U	25.6	0.641	0.0002 U

Gude Landfill
Monitoring Location MW-22B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.01	9.3	0.003	0.00 U	84.5	0.001 U	0.00 U	0.002 U
3/29/18	0.01	8.6	0.005	0.00 U	67.4	0.001 U	0.00 U	0.003
9/5/18	0.01	7.6	0.003	0.00 U	55.1	0.001 U	0.00 U	0.004

Gude Landfill
Monitoring Location MW-22B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/14/17	0.0020 U	0.0052	0.0561	0.0020 U	0.0020 U	109.0	0.0025	0.0020 U	0.0020 U	2.1	0.0020 U	26.500
3/29/18	0.0020 U	0.0122	0.0436	0.0020 U	0.0020 U	118.0	0.0032	0.0020 U	0.0020 U	2.6	0.0020 U	24.100
9/5/18	0.0020 U	0.0067	0.0409	0.0020 U	0.0020 U	114.0	0.0024	0.0020 U	0.0020 U	1.9	0.0020 U	26.000
4/10/19	0.0010 U	0.0085	0.0355	0.0010 U	0.0010 U	89.8 B	0.0026	0.0011	0.0010 U	3.6	0.0010 U	28.900
7/29/19	0.0010 U	0.0046	0.0335	0.0010 U	0.0010 U	85.0 B	0.0038	0.0010 U	0.0015	1.5	0.0010 U	26.100
3/5/20	0.0010 U	0.0098	0.0357	0.0010 U	0.0010 U	89.7	0.0013	0.0010 U	0.0010 U	3.6	0.0010 U	27.800

Gude Landfill
Monitoring Location MW-22B - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/14/17	0.843	0.0002 U	0.0068	9.51	0.0026	0.0020 U	73.2	0.0010 U	0.0020 U	0.0025
3/29/18	0.789	0.0002 U	0.0064	8.29	0.0048	0.0020 U	66.9	0.0010 U	0.0020 U	0.0028
9/5/18	0.658	0.0002 U	0.0061	7.66	0.0035	0.0020 U	55.5	0.0010 U	0.0020 U	0.0051
4/10/19	0.608	0.0001 U	0.0047	7.34	0.0010 U	0.0010 U	57.1	0.0010 U	0.0010 U	0.0111
7/29/19	0.522	0.0001 U	0.0049	6.93	0.0010 U	0.0010 U	51.4 B	0.0010 U	0.0010 U	0.0055
3/5/20	0.566	0.0001 U	0.0035	7.27	0.0010 U	0.0010 U	52.6	0.0010 U	0.0010 U	0.0045

Gude Landfill

Printed 5/20/20

Monitoring Location MW-22B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-22B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.50 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-22B - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.84	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/29/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.22	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/5/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.81	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.10	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.30	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-22B - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill

Monitoring Location MW-22B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	2.50	1.00 U	5 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.91	1.00 U	5 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.98	1.00 U	5 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-23A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	27.0	0.20 U	10.0 U	56.8000	--	100.0	3.3000	3	0.05 U	485	5.21	--	253	--	4.0 U
3/28/18	27.5	0.20 U	10.0 U	64.2000	--	144.0	3.0100	3	0.05 U	333	5.30	--	258	--	4.0 U
9/6/18	26.5	0.20 U	10.0 U	69.2000	--	89.4	3.4400	3	0.05 U	243	5.33	--	292	--	4.0 U
4/15/19	27.1	0.10 U	4.0	83.4000	2	--	4.0000	--	--	280	5.27	5.42	434	359	3.2
8/7/19	25.6	0.16	3.0 U	97.6000	2	--	4.0000	--	--	322	4.92	5.42	0	411	4.2
3/12/20	61.0	0.10 U	20.8	28.3000	1	--	0.1300 J	--	--	-154	6.78	6.80	216	209	5.5

Gude Landfill
Monitoring Location MW-23A - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	19.2	195	--	--	39.2
3/28/18	14.4	226	--	--	11.1
9/6/18	27.6	210	--	--	42.7
4/15/19	16.1	260	498.0	119.0	140.7
8/7/19	11.3	304	122.0	43.6	31.6
3/12/20	17.3	121	7.1	7.3	3.3

Gude Landfill
Monitoring Location MW-23A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.002 U	0.083	0.002 U	0.002 U	11.4	0.00	0.00 U	0.002 U	0.2 U	0.002 U	11.0	0.054	0.0002 U
3/28/18	0.002 U	0.002 U	0.075	0.002 U	0.002 U	12.4	0.00	0.00 U	0.002 U	0.2 U	0.002 U	11.4	0.049	0.0002 U
9/6/18	0.002 U	0.002 U	0.090	0.002 U	0.002 U	13.4	0.01	0.00 U	0.002 U	0.1 U	0.002 U	13.0	0.051	0.0002 U

Gude Landfill
Monitoring Location MW-23A - Dissolved Metals

Printed 5/20/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.00 U	2.6	0.002 U	0.00 U	18.9	0.001 U	0.00 U	0.005
3/28/18	0.00	2.5	0.002 U	0.00 U	18.7	0.001 U	0.00 U	0.007
9/6/18	0.00	3.0	0.002 U	0.00 U	22.6	0.001 U	0.00 U	0.007

Gude Landfill
Monitoring Location MW-23A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/14/17	0.0050 U	0.0050 U	0.0939	0.0050 U	0.0050 U	14.7	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U	12.600	0.073
3/28/18	0.0050 U	0.0050 U	0.0946	0.0050 U	0.0050 U	15.4	0.0083	0.0050 U	0.0050 U	4.3	0.0050 U	13.100	0.074
9/6/18	0.0050 U	0.0050 U	0.1020	0.0050 U	0.0050 U	13.8	0.0059	0.0050 U	0.0050 U	2.3	0.0050 U	13.400	0.070
4/15/19	0.0010 U	0.0010 U	0.1520	0.0010 U	0.0010 U	12.5	0.0154	0.0060	0.0017	5.6	0.0027	17.300	0.113
8/7/19	0.0010 U	0.0010 U	0.1370	0.0010 U	0.0010 U	13.2 B	0.0102	0.0043	0.0012	3.2	0.0023	17.700	0.089
3/12/20	0.0010 U	0.0010 U	0.0143	0.0010 U	0.0010 U	14.0	0.0160	0.0011	0.0011	1.1	0.0010 U	11.300	0.104

Gude Landfill
Monitoring Location MW-23A - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/14/17	0.0007	0.0050 U	2.71	0.0050 U	0.0050 U	18.7	0.0050 U	0.0050 U	0.0262
3/28/18	0.0006	0.0084	2.68	0.0050 U	0.0050 U	17.1	0.0050 U	0.0062	0.0362
9/6/18	0.0005	0.0050 U	3.05	0.0050 U	0.0050 U	21.5	0.0050 U	0.0050 U	0.0092
4/15/19	0.0008	0.0125	3.42	0.0022	0.0010 U	27.2 B	0.0010 U	0.0080	0.0203
8/7/19	0.0005	0.0078	3.55	0.0011	0.0010 U	27.8 B	0.0010 U	0.0031	0.0204 B
3/12/20	0.0001 U	0.0112	10.80	0.0010 U	0.0010 U	13.7	0.0010 U	0.0010 U	0.0383

Gude Landfill

Printed 5/20/20

Monitoring Location MW-23A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-23A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.20 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-23A - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.15	1.00 U	--	3.43	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/28/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.53	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.32	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-23A - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.14
3/28/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.91
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.86
4/15/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.90
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.50
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill

Monitoring Location MW-23A - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.89	1.00 U	5 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.85	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.52	1.00 U	5 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-23B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	49.0	0.20 U	10.0 U	71.5000	0	144.0	0.2000 U	0 U	0.05 U	189	6.70	--	335	--	9.7
3/28/18	56.8	0.20 U	10.0 U	78.6000	--	180.0	0.2400	0	0.05 U	18	7.00	--	339	--	12.6
9/6/18	54.1	0.20 U	10.0 U	88.4000	--	150.0	0.2000 U	0 U	0.05 U	-13	6.61	--	393	--	9.8
4/15/19	83.9	0.10 U	4.0	89.0000	0	--	0.3000	--	--	-26	6.66	6.78	541	446	7.6
8/7/19	63.0	0.10 U	11.5	65.8000	3	--	0.2000 U	--	--	133	6.61	6.89	0	347	8.6
3/12/20	24.1	0.10 U	3.0 U	92.3000	2	--	3.9100	--	--	261	5.02	5.45	524	408	6.0

Gude Landfill
Monitoring Location MW-23B - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	16.4	222	--	--	0.8
3/28/18	13.2	268	--	--	3.9
9/6/18	24.9	225	--	--	0.0
4/15/19	14.7	285	34.3	10.0	9.9
8/7/19	17.4	205	69.8	9.6	0.7
3/12/20	16.5	267	307.0	91.8	9.6

Gude Landfill
Monitoring Location MW-23B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.002 U	0.003	0.002 U	0.002 U	16.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	18.3	0.107	0.0002 U
3/28/18	0.002 U	0.002 U	0.004	0.002 U	0.002 U	20.8	0.00 U	0.00 U	0.002 U	0.5	0.002 U	21.9	0.148	0.0002 U
9/6/18	0.002 U	0.002 U	0.003	0.002 U	0.002 U	23.5	0.00 U	0.00 U	0.002 U	0.5	0.002 U	23.1	0.151	0.0002 U

Gude Landfill

Monitoring Location MW-23B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.00 U	1.5	0.002 U	0.00 U	13.5	0.001 U	0.00 U	0.003
3/28/18	0.00	1.7	0.002	0.00 U	15.8	0.001 U	0.00 U	0.006
9/6/18	0.00	1.8	0.002 U	0.00 U	16.1	0.001 U	0.00 U	0.004

Gude Landfill
Monitoring Location MW-23B - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/14/17	0.0020 U	0.0020 U	0.0027	0.0020 U	0.0020 U	16.4	0.0020 U	0.0020 U	0.0020 U	0.6	0.0020 U	18.600	0.113
3/28/18	0.0020 U	0.0020 U	0.0044	0.0020 U	0.0020 U	20.0	0.0024	0.0020 U	0.0020 U	0.7	0.0020 U	21.100	0.155
9/6/18	0.0020 U	0.0020 U	0.0038	0.0020 U	0.0020 U	22.8	0.0036	0.0020 U	0.0028	1.5	0.0020 U	22.600	0.180
4/15/19	0.0010 U	0.0010 U	0.0052	0.0010 U	0.0010 U	21.3	0.0056	0.0031	0.0023	2.5	0.0010 U	26.000	0.589
8/7/19	0.0010 U	0.0010 U	0.0109	0.0010 U	0.0010 U	16.1 B	0.0058	0.0012	0.0045	0.5	0.0011	18.500	0.056
3/12/20	0.0010 U	0.0010 U	0.1690	0.0010 U	0.0010 U	16.2	0.0410	0.0082	0.0010 U	8.4	0.0040	21.400	0.141

Gude Landfill
Monitoring Location MW-23B - Total Metals

Printed 5/20/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/14/17	0.0002 U	0.0020 U	1.44	0.0020 U	0.0020 U	13.7	0.0010 U	0.0020 U	0.0036
3/28/18	0.0002 U	0.0025	1.66	0.0020 U	0.0020 U	15.4	0.0010 U	0.0020 U	0.0063
9/6/18	0.0002 U	0.0033	1.77	0.0020 U	0.0020 U	15.7	0.0010 U	0.0020 U	0.0059
4/15/19	0.0001 U	0.0052	1.99	0.0010 U	0.0010 U	21.8 B	0.0010 U	0.0010 U	0.0067
8/7/19	0.0001 U	0.0046	4.35	0.0010 U	0.0010 U	16.2 B	0.0010 U	0.0010 U	0.0378 B
3/12/20	0.0006	0.0303	3.85	0.0014	0.0010 U	27.7	0.0010 U	0.0105	0.0269

Gude Landfill

Printed 5/20/20

Monitoring Location MW-23B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-23B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.30 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-23B - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/28/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.23	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.60	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-23B - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.40
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.50

Gude Landfill
Monitoring Location MW-23B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	1.74	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location MW-24A - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/13/17	125.0	0.32	24.3	280.0000	0	480.0	0.4000 U	0 U	0.10 U	140	5.99	--	1130	--	4.0 U
4/2/18	151.0	0.30	28.8	297.0000	--	224.0	0.2000 U	0 U	0.05 U	-8	5.99	--	1011	--	4.0 U
9/6/18	156.0	0.46	30.6	305.0000	--	422.0	0.2000 U	0 U	0.05 U	-50	5.81	--	1157	--	4.0 U
4/11/19	177.0	0.59	39.0	324.0000	0	--	0.3000	--	--	-27	5.92	6.08	1575	1290	1.0 U
7/31/19	151.0	0.46	36.0	321.0000	0	--	0.2000 U	--	--	200	5.85	2.67	1246	1270	10.3
3/5/20	169.0	0.50	23.1	333.0000	0	--	0.2000 U	--	--	-8	5.85	6.07	1318	1330	0.8 J

Gude Landfill
Monitoring Location MW-24A - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
	MCL/ GWPS				
9/13/17	18.2	720	--	--	2.8
4/2/18	13.4	572	--	--	7.1
9/6/18	19.2	686	--	--	0.0
4/11/19	18.3	1090	41.2	7.0	4.0
7/31/19	19.4	1010	8.9	0.5 U	0.0
3/5/20	18.1	754	2.3 U	6.0	0.0

Gude Landfill
Monitoring Location MW-24A - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/13/17	0.002 U	0.005	0.271	0.002 U	0.002 U	64.3	0.00 J	0.05	0.002 U	22.2	0.002 U	55.8	6.290	0.0002 U
4/2/18	0.002 U	0.007	0.244	0.002 U	0.002 U	66.6	0.00	0.05	0.002 U	21.7	0.002 U	58.0	6.530	0.0002 U
9/6/18	0.002 U	0.007	0.278	0.002 U	0.002 U	70.1	0.01	0.06	0.002 U	23.3	0.002 U	60.9	7.200	0.0002 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-24A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/13/17	0.02	3.9	0.021	0.00 U	36.0	0.001 U	0.00 U	0.002
4/2/18	0.03	4.3	0.010	0.00 U	35.5	0.001 U	0.00 U	0.003
9/6/18	0.03	4.6	0.009	0.00 U	39.5	0.001 U	0.00	0.004

Gude Landfill
Monitoring Location MW-24A - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/13/17	0.0020 U	0.0053	0.2580	0.0020 U	0.0020 U	64.2	0.0031	0.0525	0.0020 U	22.3	0.0020 U	56.000
4/2/18	0.0020 U	0.0070	0.2440	0.0020 U	0.0020 U	66.1	0.0044	0.0550	0.0020 U	21.6	0.0020 U	54.500
9/6/18	0.0020 U	0.0064	0.2790	0.0020 U	0.0020 U	69.1	0.0041	0.0568	0.0020 U	23.3	0.0020 U	60.600
4/11/19	0.0010 U	0.0049	0.2980	0.0010 U	0.0010 U	63.4 B	0.0031	0.0625	0.0010 U	25.8	0.0010 U	70.600
7/31/19	0.0010 U	0.0053	0.2880	0.0010 U	0.0010 U	65.7	0.0046	0.0637	0.0101	23.3	0.0010 U	68.200
3/5/20	0.0010 U	0.0050	0.2870	0.0010 U	0.0010 U	67.9	0.0016	0.0633	0.0010 U	22.6	0.0010 U	69.600

Gude Landfill
Monitoring Location MW-24A - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/13/17	6.310	0.0002 U	0.0247	3.94	0.0160	0.0020 U	35.9	0.0010 U	0.0020 U	0.0033
4/2/18	6.500	0.0002 U	0.0280	4.23	0.0097	0.0020 U	36.2	0.0010 U	0.0020 U	0.0020 U
9/6/18	7.220	0.0002 U	0.0285	4.67	0.0079	0.0020 U	39.4	0.0010 U	0.0020 U	0.0053
4/11/19	8.950	0.0001 U	0.0327	5.14	0.0010 U	0.0010 U	53.6	0.0010 U	0.0010 U	0.0040 U
7/31/19	9.220	0.0001 U	0.0360	4.95	0.0010 U	0.0010 U	49.5	0.0010 U	0.0010 U	0.0040 U
3/5/20	9.190	0.0001 U	0.0339	5.09	0.0010 U	0.0010 U	49.5	0.0010 U	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-24A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	2.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.13
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.1	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.1	1.00 U	1.10

Gude Landfill
Monitoring Location MW-24A - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/13/17	1.00 U	1.00 U	11.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	3.81	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	7.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	3.35	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	10.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	3.51	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	13.50	1.00 U	5.00 U	--	5.00 U	--	5 U	8.90 B	5 U	1 U	4.60	--	1.00 U	1.00 U
7/31/19	--	1.00 U	12.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	4.50	--	1.00 U	1.00 U
3/5/20	--	1.00 U	14.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	4.50	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-24A - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/13/17	1.00 U	1.00 U	5.00 U	1.00 U	5.86	1.1	1.00 U	1.00 U	--	8.36	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	4.80	1.1	1.00 U	1.00 U	--	4.10	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	7.10	1.0 U	1.00 U	1.00 U	--	2.09	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	10.50	1.0 U	1.00 U	1.00 U	1 U	1.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	8.60	1.0 U	1.00 U	1.00 U	1 U	7.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	8.60	1.0 U	1.00 U	1.00 U	1 U	5.10	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-24A - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/13/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill

Monitoring Location MW-24A - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/13/17	1.00 U	2.20	1.00 U	5.00 U	1.00 U	1.00 U	5 U	11.20
4/2/18	1.00 U	1.79	1.00 U	5.00 U	1.00 U	1.00 U	5 U	7.51
9/6/18	2.09	2.03	1.00 U	5.00 U	1.00 U	1.00 U	5 U	6.37
4/11/19	5.70	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1 U	2.40
7/31/19	2.10	2.30	1.00 U	1.00 U	1.30	1.00 U	1 U	11.10
3/5/20	1.30	2.10	1.00 U	1.00 U	1.00 U	1.00 U	1 U	10.50

Gude Landfill
Monitoring Location MW-24B - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/13/17	262.0	0.20 U	42.7	267.0000	--	770.0	0.4000 U	0 U	0.10 U	62	6.74	--	1235	--	4.0 U
4/2/18	303.0	0.20 U	44.5	268.0000	--	581.0	0.2000 U	0 U	0.05 U	-88	6.82	--	1206	--	4.2
9/6/18	306.0	0.20 U	30.1	279.0000	--	550.0	0.2000 U	0 U	0.05 U	-91	6.65	--	1323	--	7.3
4/11/19	296.0	0.10 U	43.0	293.0000	0	--	0.6000	--	--	-108	6.52	6.52	1772	1370	1.0 U
7/31/19	295.0	0.10 U	45.1	300.0000	0	--	0.2000 U	--	--	200	6.43	6.61	1374	1400	1.0 U
3/5/20	322.0	0.10 U	22.3	315.0000	0	--	0.6400	--	--	-82	6.42	6.40	1440	1480	1.0 U

Gude Landfill
Monitoring Location MW-24B - General Parameters

Printed 5/20/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/13/17	20.2	698	--	--	10.7
4/2/18	14.6	619	--	--	6.0
9/6/18	19.9	807	--	--	6.9
4/11/19	16.5	986	54.2	127.0	24.4
7/31/19	17.3	981	59.4	245.0	5.7
3/5/20	16.8	822	15.4	166.0	3.2

Gude Landfill
Monitoring Location MW-24B - Dissolved Metals

Printed 5/20/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/13/17	0.002 U	0.029	0.179	0.002 U	0.002 U	102.0	0.00 U	0.04	0.002 U	43.9	0.002 U	73.3	3.440	0.0002 U
4/2/18	0.002 U	0.034	0.169	0.002 U	0.002 U	104.0	0.01	0.05	0.002 U	45.8	0.002 U	75.4	3.780	0.0002 U
9/6/18	0.002 U	0.036	0.173	0.002 U	0.002 U	101.0	0.01	0.05	0.002 U	44.7	0.002 U	73.4	3.460	0.0002 U

Gude Landfill
Monitoring Location MW-24B - Dissolved Metals

Printed 5/20/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/13/17	0.01	3.1	0.006	0.00 U	27.7	0.001 U	0.00 U	0.002 U
4/2/18	0.01	3.6	0.010	0.00 U	27.2	0.001 U	0.00 U	0.003
9/6/18	0.01	3.6	0.007	0.00 U	28.1	0.001 U	0.00 U	0.002 U

**Gude Landfill
Monitoring Location MW-24B - Total Metals**

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/13/17	0.0050 U	0.0304	0.1830	0.0050 U	0.0050 U	105.0	0.0050 U	0.0433	0.0052	44.8	0.0050 U	77.600
4/2/18	0.0050 U	0.0278	0.1930	0.0050 U	0.0050 U	106.0	0.0050 U	0.0455	0.0050 U	47.4	0.0050 U	76.800
9/6/18	0.0020 U	0.0350	0.1710	0.0020 U	0.0020 U	101.0	0.0037	0.0488	0.0020 U	43.7	0.0020 U	72.200
4/11/19	0.0010 U	0.0323	0.1900	0.0010 U	0.0010 U	89.7 B	0.0034	0.0516	0.0010 U	47.8	0.0010 U	83.300
7/31/19	0.0010 U	0.0309	0.1740	0.0010 U	0.0010 U	89.1	0.0044	0.0479	0.0032	44.7	0.0010 U	78.400
3/5/20	0.0010 U	0.0314	0.1890	0.0010 U	0.0010 U	94.4	0.0010 U	0.0517	0.0010 U	47.7	0.0010 U	81.500

Gude Landfill
Monitoring Location MW-24B - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/13/17	3.490	0.0002 U	0.0138	3.68	0.0050 U	0.0050 U	29.2	0.0050 U	0.0050 U	0.0184
4/2/18	3.770	0.0002 U	0.0174	3.84	0.0071	0.0050 U	29.1	0.0050 U	0.0050 U	0.0258
9/6/18	3.550	0.0002 U	0.0132	3.60	0.0082	0.0020 U	27.9	0.0010 U	0.0020 U	0.0020 U
4/11/19	4.410	0.0001 U	0.0169	3.92	0.0010 U	0.0010 U	34.8	0.0010 U	0.0010 U	0.0040 U
7/31/19	3.990	0.0001 U	0.0167	3.70	0.0010 U	0.0010 U	32.1	0.0010 U	0.0010 U	0.0116 B
3/5/20	4.330	0.0001 U	0.0142	4.14	0.0010 U	0.0010 U	34.0	0.0010 U	0.0010 U	0.0040 U

Gude Landfill

Printed 5/20/20

Monitoring Location MW-24B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	4.29	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	4.33	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.02	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	4.09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.01	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	4.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-24B - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/13/17	1.00 U	1.00 U	9.29	1.00 U	40.30	1.00 U	5.00 U	1.00 U	5 U	32.80	5 U	--	4.28	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	11.60	1.00 U	8.50	1.00 U	5.00 U	1.00 U	5 U	7.68	5 U	--	4.59	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	8.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	4.19	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	13.10	1.00 U	25.20	--	5.00 U	--	5 U	44.30 B	5 U	1 U	5.40	--	1.00 U	1.00 U
7/31/19	--	1.00 U	12.50	1.00 U	5.00 U	--	5.00 U	--	5 U	8.20	5 U	1 U	5.30	--	1.00 U	1.00 U
3/5/20	--	1.00 U	13.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	5.70	--	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-24B - Volatile Organic Compounds

Printed 5/20/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/13/17	1.00 U	1.00 U	5.00 U	1.00 U	2.40	1.0 U	1.00 U	1.00 U	--	1.46	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	2.89	1.0 U	1.00 U	1.00 U	--	1.10	1.00 U	1.00 U	1.05	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	2.41	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	1 U	2.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	1 U	2.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.0 U	1.00 U	1.00 U	1 U	1.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U

Gude Landfill
Monitoring Location MW-24B - Volatile Organic Compounds

Printed 5/20/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/13/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.10	--	--	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.40	--	--	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.40	--	--	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location MW-24B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/13/17	106.00	2.78	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/2/18	43.60	3.10	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	12.40	2.63	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/11/19	76.40	3.40	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.60
7/31/19	28.50	3.20	1.00 U	1.00 U	1.00 U	1.00 U	1 U	2.00
3/5/20	3.00	3.00	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.30

Gude Landfill
Monitoring Location ST015 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/2/01	--	--	--	82.1356	0.002	--	--	--	--	--	--	--	--	--
3/31/04	--	--	--	--	0.473	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.011
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.018
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	80.0	0.20 U	7.5 J	58.2000	--	--	160.0	1.4650	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/23/10	79.0	0.20 U	6.7 J	67.7000	--	--	160.0	1.3876	1	0.01 J	--	--	--	--
4/18/11	98.0	0.20 U	24.8	38.1000	--	--	95.0	0.4010	0	0.05 U	--	--	--	--
9/6/11	31.0	0.20 U	14.1	5.3200	--	--	29.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/5/12	99.0	0.20 U	22.8	157.0000	--	--	122.0	0.7990	1	0.05 U	--	--	--	--
9/12/12	38.0	0.20 U	14.5	13.1000	--	--	48.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/18/13	68.0	0.20 U	10.0 U	75.3000	--	12	124.0	1.6600	2	0.05 U	--	6.46	--	--
9/16/13	29.0	0.20 U	10.0 U	10.2000	--	8	36.0	0.2000 U	0 U	0.05 U	284	6.83	--	--

Gude Landfill
Monitoring Location ST015 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
3/11/14	180.0	0.90	36.2	1090.0000	--	10	252.0	1.6949	--	--	401	6.64	--	--
9/10/14	52.0	0.20 U	10.0 U	30.7000	--	5	74.0	0.2000 U	0 U	0.05 U	--	6.61	--	--
3/23/15	154.0	0.23	35.5	806.0000	--	15	246.0	1.1400	1	0.05 U	369	8.01	--	--
3/23/16	136.0	0.20 U	17.6	397.0000	--	10	244.0	0.5244	1	0.06	--	6.83	--	--
8/30/16	100.0	0.48	12.7	80.9000	--	3	140.0	0.2000 U	0 U	0.05 U	135	6.71	--	--
3/8/17	59.0	0.20 U	14.3	240.0000	--	10	124.0	1.0700	1	0.05 U	194	6.99	--	--
9/18/17	83.0	0.20 U	11.4	62.4000	--	5	108.0	0.2000 U	0 U	0.05 U	231	6.93	--	--
4/3/18	104.0	0.20 U	26.4	1040.0000	--	8	197.0	0.2200	0	0.05 U	138	6.68	--	--
9/11/18	76.1	0.20 U	10.0 U	9.1100	--	7	81.0	1.2000	1	0.05 U	201	6.96	--	--
4/8/19	78.7	0.10 U	17.3	142.0000	--	10	--	1.4000	--	--	145	7.25	7.30	--
8/1/19	74.5	0.10 U	3.0 U	108.0000	--	8	--	1.7000	--	--	111	8.36	7.41	--
3/10/20	65.6	0.10 J	4.3	90.9000	--	11	--	1.8100	--	--	146	8.67	7.61	--

Gude Landfill Monitoring Location ST015 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/2/01	--	--	--	--	--	--	--	--	2.0	--
3/31/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	--	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0 U	--	--	--
3/27/08	--	--	--	--	--	--	0	--	--	--
9/22/09	--	--	20.7	--	--	280	--	--	3.0	--
8/3/10	--	--	--	3.0 U	--	--	--	--	--	--
9/23/10	--	--	25.5	--	--	404	--	--	6.1	--
4/18/11	--	--	7.2	--	--	204	--	--	25.6	--
9/6/11	--	--	4.4	--	--	1276	--	--	--	--
3/5/12	--	--	8.5	--	--	392	--	--	--	--
9/12/12	--	--	4.0 U	--	--	100	--	--	--	--
3/18/13	526	--	12.6	--	5.8	222	--	--	--	--
9/16/13	93	--	4.0 U	--	19.0	6	--	--	--	6.2

Gude Landfill Monitoring Location ST015 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/11/14	3441	--	25.3	--	9.4	2028	--	--	--	16.4
9/10/14	200	--	4.6	--	20.9	134	--	--	--	--
3/23/15	2406	--	20.9	--	8.5	1468	--	--	--	15.9
3/23/16	1331	--	19.6	--	13.0	823	--	--	--	3.9
8/30/16	367	--	4.0 U	--	23.8	197	--	--	--	3.8
3/8/17	792	--	9.2	--	11.9	482	--	--	--	7.0
9/18/17	290	--	4.9	--	20.6	199	--	--	--	0.0
4/3/18	2984	--	16.4	--	10.6	1850	--	--	--	5.1
9/11/18	201	--	50.3	--	20.0	174	--	--	--	7.8
4/8/19	752	627	15.7	--	19.9	380	--	4.8	4.7	130.0
8/1/19	1	523	18.5	--	24.2	338	--	2.5 U	1.2	0.0
3/10/20	410	472	13.5	--	10.7	275	--	2.7 U	4.3	0.5

Gude Landfill
Monitoring Location ST015 - Dissolved Metals

Printed 5/20/20

Nickel, dissolved (mg/L)

MCL/
GWPS

9/6/11	0.01	U
3/5/12	0.01	
9/12/12	0.01	U
3/18/13	0.01	
9/16/13	0.01	U

Gude Landfill
Monitoring Location ST015 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
5/2/01	0.0007 U	0.0020 U	0.0278	0.0005 U	--	0.0006 U	--	0.0020 U	0.0007 U	0.0169	--	0.0013 U	--
3/31/04	0.0009 U	0.0008 U	0.0449	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0149	--	0.0020 U	--
9/21/04	0.0028 U	0.0006 U	0.0470	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0104	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0451	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0159	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0511	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0100	--	0.0020 U	--
4/5/06	0.0006 U	0.0006 U	0.0468	0.0007 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0074	--	0.0020 U	--
9/26/06	0.0007 U	0.0008 U	0.0502	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0055	--	0.0007 U	--
4/18/07	0.0007 U	0.0008 U	0.0481	0.0009 U	0.084	--	--	0.0007 U	0.0020 U	0.0059	--	0.0007 U	--
10/4/07	0.0020 U	0.0008 U	0.0545	0.0009 U	0.083	--	--	0.0020 U	0.0020 U	0.0076	--	0.0020 U	--
3/27/08	0.0005 U	0.0006 U	0.0454	0.0010 U	0.077	--	--	0.0020 U	0.0020 U	0.0050	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.0786	0.0010 U	0.072	--	--	0.0041	0.0027	0.0139	--	0.0032	--
9/22/09	0.0020 U	0.0020 U	0.0588	0.0020 U	--	0.0020 U	33.4	0.0020 U	0.0005 J	0.0058	0.4	0.0020 U	13.700
8/3/10	0.0010 U	0.0008 J	0.0600	0.0010 U	--	0.0010 U	--	0.0007 J	0.0008 J	0.0023	--	0.0010 U	--
9/23/10	0.0050 U	0.0050 U	0.0681	0.0050 U	--	0.0050 U	32.5	0.0050 U	0.0050 U	0.0077	0.7	0.0050 U	15.000
4/18/11	0.0050 U	0.0050 U	0.0290	0.0050 U	--	0.0050 U	27.4 J	0.0050 U	0.0050 U	0.0062	0.9	0.0050 U	8.500
9/6/11	0.0050 U	0.0050 U	0.0197	0.0050 U	--	0.0050 U	10.3	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	2.230
3/5/12	0.0050 U	0.0050 U	0.0367	0.0050 U	--	0.0050 U	31.2	0.0050 U	0.0050 U	0.0081	0.8	0.0050 U	12.000
9/12/12	0.0050 U	0.0050 U	0.0197	0.0050 U	--	0.0050 U	14.4	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	3.730
3/18/13	0.0050 U	0.0050 U	0.0630	0.0050 U	--	0.0050 U	31.1	0.0050 U	0.0050 U	0.0058	0.5	0.0050 U	16.000
9/16/13	0.0050 U	0.0050 U	0.0165	0.0050 U	--	0.0050 U	11.4	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	3.010
3/11/14	0.0050 U	0.0050 U	0.0888	0.0050 U	--	0.0050 U	61.7	0.0050 U	0.0050 U	0.0089	0.2 U	0.0050 U	20.300
9/10/14	0.0050 U	0.0050 U	0.0288	0.0050 U	--	0.0050 U	20.1	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	5.930
3/23/15	0.0020 U	0.0020 U	0.0630	0.0020 U	--	0.0040 U	70.0	0.0100 U	0.0100 U	0.0062 J	0.4	0.0020 U	19.000

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST015 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/23/16	0.0050 U	0.0050 U	0.0948	0.0050 U	--	0.0050 U	60.3	0.0050 U	0.0050 U	0.0056	0.8	0.0050 U	26.200
8/30/16	0.0050 U	0.0050 U	0.0409	0.0050 U	--	0.0050 U	29.5	0.0050 U	0.0050 U	0.0050 U	2.2	0.0050 U	11.300
3/8/17	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	28.9	0.0050 U	0.0050 U	0.0270	0.7	0.0050 U	7.790
9/18/17	0.0050 U	0.0050 U	0.0422	0.0050 U	--	0.0050 U	26.8	0.0050 U	0.0050 U	0.0050 U	1.5	0.0050 U	10.300
4/3/18	0.0050 U	0.0050 U	0.0981	0.0050 U	--	0.0050 U	54.9	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	14.500
9/11/18	0.0050 U	0.0050 U	0.0535	0.0050 U	--	0.0050 U	10.3	0.0050 U	0.0050 U	0.0070	3.5	0.0050 U	13.400
4/8/19	0.0010 U	0.0010 U	0.0692	0.0010 U	--	0.0010 U	30.0	0.0010 U	0.0013	0.0022	0.4	0.0010 U	20.400
8/1/19	0.0010 U	0.0010 U	0.0717	0.0010 U	--	0.0010 U	33.1	0.0010 U	0.0010 U	0.0010 U	0.2	0.0010 U	18.800
3/10/20	0.0010 U	0.0010 U	0.0847	0.0010 U	--	0.0010 U	28.6	0.0010 U	0.0011	0.0010 U	0.4	0.0010 U	19.100

Gude Landfill
Monitoring Location ST015 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
5/2/01	0.107	0.0001 U	0.0050	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/31/04	0.285	0.0002 U	0.0091	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/21/04	0.145	0.0001 U	0.0060	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	0.139	0.0001 U	0.0090	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.119	0.0001 U	0.0047	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	0.183	0.0001 U	0.0091	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	0.126	0.0002 U	0.0043	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	0.0002 U	0.0087	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0246
10/4/07	--	0.0002 U	0.0069	--	0.0008 U	0.0005 U	--	0.0007 U	0.0024	0.0020 U	0.0187
3/27/08	--	0.0002 U	0.0097	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0296
3/5/09	--	0.0002 U	0.0172	--	0.0009 U	0.0008 U	--	0.0006 U	0.0011 U	0.0027	0.0536
9/22/09	0.101	0.0002 U	0.0083	2.59	0.0020 U	0.0020 U	24.5	0.0020 U	--	0.0003 J	0.0202
8/3/10	--	0.0002 U	0.0065	--	0.0010 U	0.0010 U	--	0.0005 J	0.0050 U	0.0050 U	0.0230
9/23/10	0.190	0.0002 U	0.0078	2.58	0.0050 U	0.0050 U	24.8	0.0050 U	--	0.0050 U	0.0174
4/18/11	0.109	0.0002 U	0.0052	3.48	0.0050 U	0.0050 U	28.0 J	0.0050 U	--	0.0050 U	0.0131
9/6/11	0.043	0.0002 U	--	2.15	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.0050 U	0.0103
3/5/12	0.245	0.0002 U	--	4.16	0.0050 U	0.0050 U	108.0	0.0050 U	--	0.0050 U	0.0155
9/12/12	0.077	0.0002 U	--	1.48	0.0050 U	0.0050 U	7.4	0.0050 U	--	0.0050 U	0.0065
3/18/13	0.155	0.0002 U	--	2.11	0.0050 U	0.0050 U	29.1	0.0050 U	--	0.0050 U	0.0207
9/16/13	0.038	0.0002 U	--	1.14	0.0050 U	0.0050 U	7.2	0.0050 U	--	0.0050 U	0.0050
3/11/14	0.329	0.0002 U	0.0119	6.83	0.0050 U	0.0050 U	607.0	0.0050 U	--	0.0050 U	0.0167
9/10/14	0.201	0.0002 U	0.0050 U	1.63	0.0050 U	0.0050 U	12.3	0.0050 U	--	0.0050 U	0.0058
3/23/15	0.250	0.0002 U	0.0130	7.70	0.0350 U	0.0100 U	450.0	0.0020 U	--	0.0100 U	0.0190

Gude Landfill
Monitoring Location ST015 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/23/16	0.482	0.0002 U	0.0129	4.78	0.0050 U	0.0050 U	233.0	0.0050 U	--	0.0050 U	0.0104
8/30/16	0.738	0.0002 U	0.0050 U	1.78	0.0050 U	0.0050 U	25.5	0.0050 U	--	0.0050 U	0.0056
3/8/17	0.117	0.0002 U	0.0064	2.63	0.0050 U	0.0050 U	143.0	0.0050 U	--	0.0050 U	0.0058
9/18/17	0.452	0.0002 U	0.0057	1.71	0.0050 U	0.0050 U	18.8	0.0050 U	--	0.0050 U	0.0289
4/3/18	0.307	0.0002 U	0.0091	4.56	0.0050 U	0.0050 U	566.0	0.0050 U	--	0.0050 U	0.0203
9/11/18	0.064	0.0002 U	0.0050 U	1.67	0.0050 U	0.0050 U	35.3	0.0050 U	--	0.0050 U	0.0205
4/8/19	0.254	0.0001 U	0.0075	2.34	0.0010 U	0.0010 U	55.7	0.0010 U	--	0.0010 U	0.0107
8/1/19	0.112	0.0001 U	0.0043	2.17	0.0010 U	0.0010 U	32.8	0.0010 U	--	0.0010 U	0.0044 B
3/10/20	0.155	0.0001 U	0.0088	1.93	0.0010 U	0.0010 U	31.2	0.0010 U	--	0.0010 U	0.0179

Gude Landfill

Printed 5/20/20

Monitoring Location ST015 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
5/2/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
3/31/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1.00 U	0.22 U	0.18 U	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	1.00 U	0.28 U	0.4 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	1.00 U	0.24 U	2.82	1.80	0.27 U	0.37 U	0.35 U	3.96	3.69	1.00 U	5.52	2.56	10.0 U	1.00 U	1.00 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.01	1.00 U	0.22 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	3.65	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 5/20/20

Monitoring Location ST015 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/2/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/31/04	0.21 U	0.19 U	1.00 U	0.11 U	3.27	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.33	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	1.00 U	2.01	10.00 U	0.23 U	2.58	1.00 U	3.49	0.29 U	--	3.90	--	--	--	0.28 U	1.17	1.00 U
9/26/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	1.00 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.11	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.46 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.94 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	0.56 J	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.20	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/2/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/31/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	1.00 U	1.09	1.00 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	0.28 U	1.00 U	1.04	1.00 U	--	1.00 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	1.15
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.76	0.13 U	0.15 U	0.19 U	--	0.26 U
3/5/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.00	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	0.22 J	2.50 U	1.00 U	1.00 U	0.1 J	1.00 U	1.00 U	--	0.53 J	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/2/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/31/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	1.00 U	2.00 U	0.28 U	--	--	2.33	1.00 U	1.28	1.00 U	1.00 U	1.00 U	1.07	1.00 U	1.00 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	3.64	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.45	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	0.22 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/10/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location ST015 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/2/01	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/31/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.08	0.18 U	--	0.05	--
9/21/04	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.05	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.00 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	1.06	1.83	1.00 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.40	0.36 U	--	0.32 U	--
10/4/07	0.36 U	5.94	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/27/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	1.10	0.07 U	--	0.22 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	2.20	0.50 U	--	0.18 U	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	0.62 J	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.50	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--

**Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds**

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/11/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/10/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location ST065 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/3/01	--	--	--	90.7963	0.005 U	--	--	1.2261	--	--	--	--	--	--
9/5/01	--	--	--	42.5057	0.002	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	249.4420	0.004	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	45.8664	0.001 U	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	69.5377	0.005 U	--	--	--	--	--	--	--	--	0.010
10/8/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.010 U
3/24/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.001 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
9/26/06	--	--	--	--	0.630	--	--	--	--	--	--	--	--	0.011
4/18/07	--	--	--	--	0.119	--	--	--	--	--	--	--	--	0.011
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	70.0	0.20 U	34.8	51.7000	--	--	100.0	0.2000 U	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	88.0	0.20 U	7.7 J	98.4000	--	--	170.0	1.1170	1	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST065 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/18/11	243.0	0.20 U	35.1	99.6000	--	--	180.0	0.3920	0	0.05 U	--	--	--	--
9/12/11	203.0	0.20 U	39.2	154.0000	--	--	174.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/5/12	237.0	0.20 U	32.6	136.0000	--	--	178.0	0.6210	1	0.05 U	--	--	--	--
9/11/12	98.0	0.20 U	10.5	91.5000	--	--	150.0	0.6540	1	0.05 U	--	--	--	--
3/27/13	253.0	0.20 U	60.7	171.0000	--	10	196.0	0.2000 U	0 U	0.05 U	--	6.42	--	--
9/11/13	112.0	0.20 U	10.0 U	68.4000	--	8	170.0	1.1600	1	0.05 U	337	7.48	--	--
3/24/14	74.0	0.20 U	18.6	586.0000	--	15	174.0	1.3700	--	--	505	7.88	--	--
9/2/14	174.0	0.20 U	110.0	89.2000	--	7	158.0	1.0775	1	0.06	--	8.07	--	--
3/17/15	65.0	0.20 U	10.0	273.0000	--	12	120.0	1.1500	1	0.05 U	356	7.53	--	--
3/17/16	68.0	0.20 U	10.0 U	192.0000	--	12	156.0	1.3000	1	0.05 U	--	7.69	--	--
9/4/18	272.0	0.20 U	41.3	96.3000	--	4	201.0	0.2000 U	0 U	0.05 U	111	7.36	--	--
4/8/19	89.1	0.15	18.9	171.0000	--	10	--	2.0000	--	--	136	7.72	7.77	--
7/30/19	78.5	0.10 U	21.5	98.1000	--	8	--	1.6000	--	--	200	7.76	7.66	--
3/2/20	79.5	0.10 U	10.8	105.0000	--	14	--	1.9000	--	--	242	7.84	7.97	--

Gude Landfill Monitoring Location ST065 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/3/01	--	--	--	--	--	--	--	--	8.9	--
9/5/01	--	--	--	--	--	--	--	--	1.5	--
3/12/02	--	--	--	--	--	--	--	--	1.9	--
9/16/02	--	--	--	--	--	--	--	--	0.2	--
6/3/03	--	--	--	--	--	--	0	--	4.5	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	--	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	5.3	--	--	196	--	--	90.3	--
8/3/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	10.8	--	--	500	--	--	0.7	--

Gude Landfill

Monitoring Location ST065 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/18/11	--	--	26.6 J	--	--	524	--	--	8.3	--
9/12/11	--	--	32.8	--	--	588	--	--	--	--
3/5/12	--	--	25.4	--	--	532	--	--	--	--
9/11/12	--	--	10.4	--	--	360	--	--	--	--
3/27/13	1	--	26.3	--	7.3	562	--	--	--	--
9/11/13	467	--	29.2	--	23.5	352	--	--	--	0.0
3/24/14	1916	--	19.8	--	5.9	1038	--	--	--	--
9/2/14	563	--	10.7	--	22.8	370	--	--	--	--
3/17/15	813	--	13.5	--	10.6	470	--	--	--	7.5
3/17/16	694	--	14.0	--	10.1	473	--	--	--	1.0
9/4/18	807	--	10.4	--	24.0	459	--	--	--	7.8
4/8/19	712	752	18.0	--	14.3	430	--	2.6 U	1.7	6.9
7/30/19	529	505	12.5	--	22.9	321	--	2.5 U	0.8	0.0
3/2/20	420	520	14.0	--	8.8	310	--	2.6 U	1.3	328.3

Gude Landfill
Monitoring Location ST065 - Dissolved Metals

Printed 5/20/20

Nickel, dissolved (mg/L)

	MCL/ GWPS
9/12/11	0.01
3/5/12	0.01
9/11/12	0.01 U
3/27/13	0.01
9/11/13	0.01 U

**Gude Landfill
Monitoring Location ST065 - Total Metals**

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/3/01	0.0007 U	0.0020 U	0.0258	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0013 U
9/5/01	0.0020 U	0.0007 U	0.0305	0.0017 U	--	0.0006 U	--	0.0012 U	0.0004 U	0.0082	--	0.0020 U
3/12/02	0.0005 U	0.0007 U	0.0475	0.0017 U	--	0.0006 U	--	0.0031	0.0020 U	0.0104	--	0.0020 U
9/16/02	0.0007 U	0.0020 U	0.0293	0.0004 U	--	0.0004 U	--	0.0026	0.0020 U	0.0076	--	0.0020 U
6/3/03	0.0007 U	0.0020 U	0.0328	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0157	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0327	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0020 U	0.0745	0.0016 U	--	0.0020 U	--	0.0020 U	0.0074	0.0100 U	--	0.0020
9/21/04	0.0028 U	0.0006 U	0.0376	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0105	--	0.0006 U
4/6/05	0.0028 U	0.0006 U	0.0301	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0134	--	0.0020 U
9/21/05	0.0028 U	0.0006 U	0.0351	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0105	--	0.0020 U
4/5/06	0.0006 U	0.0006 U	0.0592	0.0007 U	--	0.0004 U	--	0.0020 U	0.0005 U	0.0137	--	0.0032
9/26/06	0.0007 U	0.0008 U	0.0472	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0049	--	0.0007 U
4/18/07	0.0007 U	0.0008 U	0.1000	0.0009 U	0.035	--	--	0.0020 U	0.0134	0.0063	--	0.0020 U
10/2/07	0.0020 U	0.0008 U	0.0404	0.0009 U	0.138	--	--	0.0020 U	0.0020 U	0.0069	--	0.0007 U
3/25/08	0.0005 U	0.0006 U	0.0380	0.0010 U	0.047	--	--	0.0020 U	0.0012 U	0.0075	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.0314	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0069	--	0.0040 U
3/5/09	0.0020 U	0.0002 U	0.0447	0.0002 U	0.011	--	--	0.0020 U	0.0020 U	0.0058	--	0.0020 U
9/22/09	0.0020 U	0.0020 U	0.0912	0.0020 U	--	0.0020 U	18.1	0.0020 U	0.0137	0.0080	10.1	0.0036
8/3/10	0.0010 U	0.0006 J	0.0350	0.0010 U	--	0.0010 U	--	0.0026	0.0010 U	0.0008 J	--	0.0010 U
9/20/10	0.0050 U	0.0050 U	0.0431	0.0050 U	--	0.0050 U	34.3	0.0050 U	0.0050 U	0.0066	0.3 J	0.0050 U
4/18/11	0.0050 U	0.0050 U	0.0556	0.0050 U	--	0.0050 U	33.9 J	0.0050 U	0.0050 U	0.0067	0.7	0.0050 U
9/12/11	0.0050 U	0.0050 U	0.0790	0.0050 U	--	0.0050 U	34.2	0.0050 U	0.0050 U	0.0077	0.6	0.0050 U
3/5/12	0.0050 U	0.0050 U	0.0484	0.0050 U	--	0.0050 U	30.6	0.0050 U	0.0050 U	0.0077	0.5	0.0050 U

**Gude Landfill
Monitoring Location ST065 - Total Metals**

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.0450	0.0050 U	--	0.0050 U	34.3	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.0644	0.0050 U	--	0.0050 U	34.6	0.0050 U	0.0050 U	0.0168	0.4	0.0050 U
9/11/13	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	40.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.0685	0.0050 U	--	0.0050 U	37.6	0.0050 U	0.0050 U	0.0055	0.5	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.2270	0.0050 U	--	0.0050 U	23.5	0.0226	0.0387	0.0267	17.8	0.0244
3/17/15	0.0020 U	0.0020 U	0.0390	0.0020 U	--	0.0040 U	23.0	0.0100 U	0.0100 U	0.0035 J	0.6	0.0020 U
3/17/16	0.0020 U	0.0020 U	0.0541	0.0020 U	--	0.0020 U	33.3	0.0020 U	0.0020 U	0.0023	0.5	0.0020 U
9/4/18	0.0020 U	0.0020 U	0.0819	0.0020 U	--	0.0020 U	36.5	0.0021	0.0039	0.0020 U	0.7	0.0020 U
4/8/19	0.0010 U	0.0010 U	0.0509	0.0010 U	--	0.0010 U	30.5	0.0010 U	0.0010 U	0.0014	0.2	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.0426	0.0010 U	--	0.0010 U	27.2 B	0.0010 U	0.0010 U	0.0010 U	0.1	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.0391	0.0010 U	--	0.0010 U	26.7	0.0010 U	0.0010 U	0.0010 U	0.2	0.0010 U

Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/3/01	--	0.108	0.0001 U	0.0062	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	0.0100 U
9/5/01	--	0.052	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.107	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.029	0.0001 U	0.0026	--	0.0044	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/3/03	--	0.099	0.0002 U	0.0062	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.213	0.0002 U	0.0041	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/24/04	--	0.526	0.0002 U	0.0151	--	0.0024	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
9/21/04	--	0.052	0.0001 U	0.0037	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.112	0.0001 U	0.0057	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.087	0.0001 U	0.0030	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.270	0.0001 U	0.0083	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	--	0.056	0.0002 U	0.0024	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	--	0.0002 U	0.0058	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0185
10/2/07	--	--	0.0002 U	0.0037	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0032
3/25/08	--	--	0.0002 U	0.0058	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	--	0.0002 U	0.0028	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	0.0058
9/22/09	10.600	2.370	0.0002 U	0.0080	2.92	0.0020 U	0.0020 U	25.7	0.0020 U	--	0.0036	0.0165
8/3/10	--	--	0.0002 U	0.0029	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/20/10	18.400	0.018	0.0002 U	0.0050 U	4.00	0.0050 U	0.0050 U	37.0	0.0050 U	--	0.0050 U	0.0050 U
4/18/11	26.900 J	0.143	0.0002 U	0.0095	14.80	0.0050 U	0.0050 U	121.0 J	0.0050 U	--	0.0050 U	0.0060
9/12/11	23.700	0.250	0.0002 U	--	14.90	0.0082	0.0050 U	115.0	0.0050 U	--	0.0050 U	0.0067
3/5/12	29.000	0.086	0.0002 U	--	13.80	0.0050 U	0.0050 U	136.0	0.0050 U	--	0.0050 U	0.0054

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 5/20/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	17.400	0.018	0.0002 U	--	4.68	0.0050 U	0.0050 U	26.3	0.0050 U	--	0.0050 U	0.0050 U
3/27/13	28.300	0.029	0.0002 U	--	17.00	0.0050 U	0.0050 U	136.0	0.0050 U	--	0.0050 U	0.0054
9/11/13	19.000	0.071	0.0002 U	--	4.53	0.0050 U	0.0050 U	27.5	0.0050 U	--	0.0050 U	0.0050 U
3/24/14	20.100	0.154	0.0002 U	0.0090	5.10	0.0050 U	0.0050 U	345.0	0.0050 U	--	0.0050 U	0.0090
9/2/14	19.500	5.110	0.0002 U	0.0307	15.20	0.0050 U	0.0050 U	75.9	0.0050 U	--	0.0281	0.0863
3/17/15	12.000	0.120	0.0002 U	0.0085 J	3.30	0.0350 U	0.0100 U	150.0	0.0020 U	--	0.0100 U	0.0098 J
3/17/16	18.600	0.139	0.0002 U	0.0069	2.59	0.0020 U	0.0001 U	83.5	0.0010 U	--	0.0020 U	0.0042
9/4/18	26.800	0.832	0.0002 U	0.0083	14.80	0.0057	0.0020 U	85.6	0.0010 U	--	0.0020 U	0.0030
4/8/19	23.400	0.085	0.0001 U	0.0068	3.93	0.0010 U	0.0010 U	71.3	0.0010 U	--	0.0010 U	0.0040 U
7/30/19	17.900	0.018	0.0001 U	0.0027	3.41	0.0010 U	0.0010 U	32.1 B	0.0010 U	--	0.0010 U	0.0040 U
3/2/20	18.200	0.074	0.0001 U	0.0045	3.66	0.0010 U	0.0010 U	40.3	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

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Monitoring Location ST065 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,1,2-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	5.03	0.40 U	1.00 U	1.04	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.54	0.40 U	1.00 U	1.00 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	1.13	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	1.34
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location ST065 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.26	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	1.00 U	0.33 U	10.00 U	0.23 U	0.29 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	1.00 U	0.29 U	0.37 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	0.14 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.17	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.15	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.88	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/24/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	1.00 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	1.00 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.25 U	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	9.43	0.12 U	0.13 U	1.88	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.81 J	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.15	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/24/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.07	1.00 U	1.00 U	1.30	1.00 U	0.25 U	0.18 U
9/26/06	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location ST065 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	0.02	--
3/24/04	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.01	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	1.00 U	1.00 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
3/5/09	0.50 U	0.12 U	0	0.69	0.13 U	--	7.13	0.10 U	--	1.29	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	1.60	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	4
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location ST120 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/3/01	--	--	--	90.1272	0.005 U	--	--	1.0604	--	--	--	--	--	--	--
9/4/01	--	--	--	41.5739	0.004	--	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	225.4730	0.003	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	65.7660	0.005 U	--	--	--	--	--	--	--	--	0.010	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.015	--
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014	--
9/25/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.012	--
4/17/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.020	--
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	64.0	0.20 U	4.6 J	--	--	--	340.0	1.0290	--	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/15/10	70.0	0.20 U	11.1	93.2000	--	--	180.0	0.7920	1	0.05 U	--	--	--	--	--
4/25/11	60.0	0.20 U	15.1	102.0000 J	--	--	113.0	0.7870	1	0.05 U	--	--	--	--	--
9/12/11	49.0	0.20 U	11.9	50.1000	--	--	73.0	0.5810	1	0.05 U	--	--	--	--	--
3/5/12	52.0	0.20 U	9.7	110.0000	--	--	98.0	1.3300	1	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST120 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/17/12	72.0	0.20 U	10.0 U	47.0000	--	--	100.0	1.3000	1	0.05 U	--	--	--	--	--
3/28/13	56.0	0.20 U	25.8	335.0000	--	15	130.0	1.2000	1	0.05 U	361	7.35	--	--	1
9/18/13	57.0	0.20 U	10.0 U	67.8000	--	12	120.0	0.8120	1	0.05 U	287	7.40	--	--	340
3/13/14	64.0	0.20 U	14.3	928.0000	--	14	208.0	1.3800	--	--	426	7.34	--	--	2780
9/8/14	60.0	0.20 U	22.8	77.4000	--	8	130.0	0.5390	1	0.05 U	--	6.62	--	--	378
3/18/15	56.0	0.20 U	10.0 U	332.0000	--	13	138.0	1.6100	2	0.05 U	260	7.64	--	--	1092
9/1/15	68.0	0.24	10.0 U	117.0000	--	8	174.0	1.2000	1	0.05 U	--	6.80	--	--	520
3/16/16	62.0	0.20 U	10.0 U	217.0000	--	11	160.0	1.4200	1	0.05 U	--	7.39	--	--	755
8/30/16	60.0	0.20 U	10.0 U	94.2000	--	8	188.0	1.2400	1	0.05 U	186	7.21	--	--	432
3/6/17	82.0	0.20 U	10.0 U	159.0000	--	12	186.0	1.3300	1	0.05 U	348	7.01	--	--	458
9/12/17	66.0	0.20 U	10.3	80.4000	--	10	230.0	1.1400	1	0.05 U	236	7.64	--	--	401
3/28/18	60.0	0.20 U	10.0 U	366.0000	--	12	190.0	1.3800	1	0.05 U	123	7.46	--	--	1135
9/11/18	41.4	0.20 U	11.8	37.8000	--	8	64.0	0.5530	1	0.05 U	79	7.17	--	--	202
4/8/19	69.4	0.10 U	10.9	182.0000	--	10	--	1.8000	--	--	99	7.04	7.33	--	684
8/1/19	69.5	0.18	16.7	116.0000	--	8	--	1.6000	--	--	107	7.12	7.06	--	5
3/9/20	60.2	0.10 U	6.1	113.0000	--	1	--	1.8000	--	--	202	6.39	6.91	--	411

Gude Landfill

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Monitoring Location ST120 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/3/01	--	--	--	--	--	--	--	5.8	--
9/4/01	--	--	--	--	--	--	--	3.5	--
3/12/02	--	--	--	--	--	--	--	3.7	--
6/3/03	--	--	--	--	--	0	--	4.3	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	7.6	--	--	244	--	--	2.1	--
8/3/10	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	13.5	--	--	376	--	--	2.4	--
4/25/11	--	7.5	--	--	372	--	--	3.9	--
9/12/11	--	6.5	--	--	208	--	--	--	--
3/5/12	--	7.8	--	--	284	--	--	--	--

Gude Landfill
Monitoring Location ST120 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/17/12	--	5.6	--	--	228	--	--	--	--
3/28/13	--	7.9	--	7.4	660	--	--	--	5.0
9/18/13	--	8.4	--	18.0	272	--	--	--	--
3/13/14	--	24.8	--	5.8	1676	--	--	--	9.8
9/8/14	--	8.9	--	19.4	268	--	--	--	--
3/18/15	--	14.0	--	9.2	740	--	--	--	5.8
9/1/15	--	10.2	--	20.5	307	--	--	--	--
3/16/16	--	13.1	--	9.7	434	--	--	--	1.8
8/30/16	--	10.4	--	22.5	268	--	--	--	0.0
3/6/17	--	14.6	--	10.3	318	--	--	--	1.7
9/12/17	--	9.6	--	19.0	301	--	--	--	0.0
3/28/18	--	15.2	--	7.4	765	--	--	--	0.6
9/11/18	--	5.8	--	19.4	137	--	--	--	0.1
4/8/19	729	15.5	--	13.8	435	--	3.1	2.2	2.0
8/1/19	521	12.8	--	21.7	336	--	2.5 U	1.8	4.6
3/9/20	507	12.3	--	9.2	276	--	2.3 U	2.0	2.3

Gude Landfill
Monitoring Location ST120 - Dissolved Metals

Printed 5/20/20

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/12/11	--	0.01
3/5/12	--	0.01
9/17/12	--	0.01
3/28/13	--	0.01
9/18/13	--	0.01
9/1/15	0.130	--

Gude Landfill
Monitoring Location ST120 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/3/01	0.0007 U	0.0005 U	0.0186	0.0005 U	--	0.0006 U	--	0.0003 U	0.0007 U	0.0159	--	0.0013 U	--
9/4/01	0.0020 U	0.0007 U	0.0335	0.0017 U	--	0.0006 U	--	0.0012 U	0.0020 U	0.0084	--	0.0020 U	--
3/12/02	0.0005 U	0.0020 U	0.0475	0.0017 U	--	0.0020 U	--	0.0024	0.0020 U	0.0090	--	0.0020 U	--
6/3/03	0.0007 U	0.0020 U	0.0340	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0167	--	0.0020 U	--
9/20/04	0.0028 U	0.0006 U	0.0340	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0112	--	0.0020 U	--
4/5/05	0.0028 U	0.0006 U	0.0321	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0100	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0447	0.0012 U	--	0.0020 U	--	0.0021	0.0020 U	0.0116	--	0.0031	--
4/4/06	0.0020 U	0.0006 U	0.0705	0.0007 U	--	0.0004 U	--	0.0021	0.0020 U	0.0105	--	0.0028	--
9/25/06	0.0007 U	0.0020 U	0.0582	0.0009 U	--	0.0006 U	--	0.0026	0.0020 U	0.0085	--	0.0020 U	--
4/17/07	0.0007 U	0.0020 U	0.0288	0.0009 U	0.020 U	--	--	0.0027	0.0020 U	0.0104	--	0.0021	--
10/3/07	0.0007 U	0.0008 U	0.0431	0.0009 U	0.045	--	--	0.0020 U	0.0020 U	0.0066	--	0.0020 U	--
3/25/08	0.0005 U	0.0006 U	0.0433	0.0010 U	0.038	--	--	0.0008 U	0.0012 U	0.0094	--	0.0010 U	--
9/23/08	0.0010 U	0.0012 U	0.0373	0.0020 U	0.091	--	--	0.0016 U	0.0024 U	0.0089	--	0.0040 U	--
3/9/09	0.0020 U	0.0020 U	0.1051	0.0002 U	0.031	--	--	0.0020 U	0.0020 U	0.0152	--	0.0020 U	--
9/21/09	0.0020 U	0.0020 U	0.0392	0.0020 U	--	0.0020 U	25.7	0.0020 U	0.0020 U	0.0056	0.5	0.0020 U	12.300
8/3/10	0.0010 U	0.0007 J	0.0410	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0007 J	--	0.0010 U	--
9/15/10	0.0050 U	0.0050 U	0.0482	0.0050 U	--	0.0050 U	31.6	0.0050 U	0.0050 U	0.0068	0.7	0.0050 U	16.300
4/25/11	0.0050 U	0.0050 U	0.0460	0.0050 U	--	0.0050 U	23.1 J	0.0050 U	0.0050 U	0.0052	0.7	0.0050 U	14.200 J
9/12/11	0.0050 U	0.0050 U	0.0357	0.0050 U	--	0.0050 U	33.4	0.0050 U	0.0050 U	0.0062	0.8	0.0053	12.600
3/5/12	0.0050 U	0.0050 U	0.0397	0.0050 U	--	0.0050 U	23.3	0.0050 U	0.0050 U	0.0091	0.5	0.0050 U	11.500
9/17/12	0.0050 U	0.0050 U	0.0423	0.0050 U	--	0.0050 U	24.9	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	14.200
3/28/13	0.0050 U	0.0050 U	0.0559	0.0050 U	--	0.0050 U	29.6	0.0050 U	0.0050 U	0.0151	0.6	0.0050 U	14.800
9/18/13	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	27.4	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	12.900

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST120 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/13/14	0.0050 U	0.0050 U	0.0927	0.0050 U	--	0.0050 U	46.1	0.0050 U	0.0050 U	0.0084	0.9	0.0050 U	22.500
9/8/14	0.0050 U	0.0050 U	0.0514	0.0050 U	--	0.0050 U	27.6	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U	13.200
3/18/15	0.0020 U	0.0020 U	0.0470	0.0020 U	--	0.0040 U	28.0	0.0100 U	0.0100 U	0.0031 J	0.5	0.0020 U	13.000
9/1/15	0.0010 U	0.0010 U	0.0530	0.0010 U	--	0.0005 U	39.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0010 U	21.000
3/16/16	0.0050 U	0.0050 U	0.0667	0.0050 U	--	0.0050 U	--	0.0050 U	0.0050 U	0.0050 U	--	0.0050 U	--
8/30/16	0.0020 U	0.0020 U	0.0454	0.0020 U	--	0.0020 U	29.3	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	15.600
3/6/17	0.0050 U	0.0050 U	0.0629	0.0050 U	--	0.0050 U	41.0	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	21.500
9/12/17	0.0020 U	0.0020 U	0.0422	0.0020 U	--	0.0020 U	28.4	0.0020 U	0.0020 U	0.0020 U	1.0	0.0020 U	13.900
3/28/18	0.0020 U	0.0020 U	0.0607	0.0020 U	--	0.0020 U	37.5	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	17.600
9/11/18	0.0050 U	0.0050 U	0.0214	0.0050 U	--	0.0050 U	15.7	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	6.040
4/8/19	0.0010 U	0.0010 U	0.0551	0.0010 U	--	0.0010 U	31.4	0.0010 U	0.0010 U	0.0017	0.3	0.0010 U	22.900
8/1/19	0.0010 U	0.0010 U	0.0523	0.0010 U	--	0.0010 U	29.2	0.0010 U	0.0010 U	0.0010 U	0.4	0.0010 U	19.500
3/9/20	0.0010 U	0.0010 U	0.0453	0.0010 U	--	0.0010 U	28.4	0.0010 U	0.0010 U	0.0010 U	0.3	0.0010 U	19.600

Gude Landfill
Monitoring Location ST120 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/3/01	0.075	0.0001 U	0.0040	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0100 U
9/4/01	0.097	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	0.169	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
6/3/03	0.153	0.0002 U	0.0076	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
9/20/04	0.088	0.0001 U	0.0055	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	0.094	0.0002 U	0.0072	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.259	0.0006	0.0080	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0040	--
4/4/06	0.207	0.0001 U	0.0104	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/25/06	0.291	0.0002 U	0.0082	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0033	--
4/17/07	--	0.0002 U	0.0116	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0028	0.0215
10/3/07	--	0.0002 U	0.0077	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0055
3/25/08	--	0.0002 U	0.0078	--	0.0020 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	0.0002 U	0.0060	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	0.0002 U	0.0113	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	--
9/21/09	0.063	0.0002 U	0.0066	1.88	0.0020 U	0.0020 U	27.5	0.0020 U	--	0.0002 U	0.0100 U
8/3/10	--	0.0002 U	0.0050	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/15/10	0.082	0.0002 U	0.0066	3.02	0.0050 U	0.0050 U	34.0	0.0050 U	--	0.0050 U	0.0050 U
4/25/11	0.126	0.0002 U	0.0098	2.51	0.0050 U	0.0050 U	53.7	0.0050 U	--	0.0050 U	0.0089
9/12/11	0.051	0.0002 U	--	3.08	0.0050 U	0.0050 U	34.5	0.0050 U	--	0.0050 U	0.0084
3/5/12	0.085	0.0002 U	--	2.25	0.0050 U	0.0050 U	65.1	0.0050 U	--	0.0050 U	0.0106
9/17/12	0.117	0.0002 U	--	2.20	0.0050 U	0.0050 U	15.3	0.0050 U	--	0.0050 U	0.0050 U
3/28/13	0.091	0.0002 U	--	3.01	0.0050 U	0.0050 U	181.0	0.0050 U	--	0.0050 U	0.0075
9/18/13	0.080	0.0002 U	--	2.67	0.0050 U	0.0050 U	19.8	0.0050 U	--	0.0050 U	0.0064

Gude Landfill
Monitoring Location ST120 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/13/14	0.128	0.0002 U	0.0146	6.08	0.0050 U	0.0050 U	561.0	0.0050 U	--	0.0050 U	0.0157
9/8/14	0.155	0.0002 U	0.0055	2.77	0.0050 U	0.0050 U	24.5	0.0050 U	--	0.0050 U	0.0058
3/18/15	0.140	0.0002 U	0.0110 U	2.80	0.0350 U	0.0100 U	210.0	0.0020 U	--	0.0100 U	0.0084 J
9/1/15	--	0.0002 U	0.0100 U	3.00	0.0050 U	0.0010 U	34.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	0.126	0.0002 U	0.0108	2.38	0.0050 U	0.0050 U	--	0.0050 U	--	0.0050 U	0.0086
8/30/16	0.059	0.0002 U	0.0031	2.22	0.0020 U	0.0020 U	24.3	0.0010 U	--	0.0020 U	0.0020 U
3/6/17	0.094	0.0002 U	0.0107	2.51	0.0050 U	0.0050 U	52.0	0.0050 U	--	0.0050 U	0.0050 U
9/12/17	0.071	0.0002 U	0.0043	2.39	0.0020 U	0.0020 U	24.5	0.0010 U	--	0.0020 U	0.0036
3/28/18	0.136	0.0002 U	0.0088	2.35	0.0020 U	0.0020 U	197.0	0.0010 U	--	0.0020 U	0.0080
9/11/18	0.033	0.0002 U	0.0050 U	2.64	0.0050 U	0.0050 U	15.3	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	0.116	0.0001 U	0.0092	2.28	0.0010 U	0.0010 U	71.4	0.0010 U	--	0.0010 U	0.0089
8/1/19	0.132	0.0001 U	0.0040	2.91	0.0010 U	0.0010 U	34.4	0.0010 U	--	0.0010 U	0.0040 U
3/9/20	0.087	0.0001 U	0.0061	2.30	0.0010 U	0.0010 U	37.6	0.0010 U	--	0.0010 U	0.0046

Gude Landfill

Printed 5/20/20

Monitoring Location ST120 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	--	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.50 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	0.36 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 5/20/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.39	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	--	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.33 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.17 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.10	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/9/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	1.00 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.20	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.22	0.29 U	0.27 U	1.24	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.52	0.29 U	0.27 U	1.00 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.99	0.29 U	0.27 U	1.04	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	1.22	0.13 U	0.15 U	0.50 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	2.10	0.12 U	0.13 U	0.59	--	0.12 U
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.15	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.54	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.87 J	--	1.26 J	2.00 U	2.00 U	0.82 J	--	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	1.0 U	1.00 U	4.90	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.79	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.30	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.26	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.33	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.13	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.09	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	4.80	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/28/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location ST120 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/4/01	1.22	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
3/12/02	1.79	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
6/3/03	1.39	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/20/04	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	1.65	0.32 U	--	0.45 U	0.24 U	0.30 U	1.33	0.36 U	--	1.00 U	--
4/17/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/3/07	1.56	0.32 U	--	0.45 U	0.24 U	0.30 U	1.40	0.36 U	--	0.32 U	--
3/25/08	0.81	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	1.25	0.12 U	0	0.14 U	0.13 U	--	0.93	0.10 U	--	0.50 U	--
3/9/09	0.68	0.12 U	0	0.14 U	0.13 U	--	0.51	0.10 U	--	0.18 U	--
9/21/09	0.62 J	1.00 U	--	1.00 U	1.00 U	1.00 U	0.88 J	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/15/10	1.10 J	2.00 U	--	2.00 U	2.00 U	2.00 U	0.90 J	2.00 U	2 U	2.00 U	--
4/25/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/28/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.01	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/28/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/9/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location ST70 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/2/01	--	--	--	74.5090	0.005 U	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	47.6235	0.008	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	56.3314	0.002	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	68.4973	0.005	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/05	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.010 U
4/5/06	--	--	--	--	0.014	--	--	--	--	--	--	--	--	0.018
9/26/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.005 U
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/4/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	109.0	0.20 U	6.0 J	85.8000	--	--	170.0	1.8591	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	115.0	0.20 U	10.0	97.6000	--	--	170.0	1.4818 HT	2 HT	0.09 HT	--	--	--	--
4/18/11	105.0	0.48	18.5	79.8000	--	--	128.0	0.8310	1	0.05 U	--	--	--	--
9/12/11	81.0	0.20 U	15.3	50.6000	--	--	110.0	0.7740	1	0.05 U	--	--	--	--
3/5/12	128.0	0.38	17.2	122.0000	--	--	188.0	1.4890	2	0.51	--	--	--	--
9/18/12	79.0	0.20 U	19.5	49.5000	--	--	124.0	0.8780	1	0.05 U	--	--	--	--

Gude Landfill
Monitoring Location ST70 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
3/18/13	108.0	0.56	10.0 U	145.0000	--	13	180.0	2.0710	2	0.28	--	6.52	--	--
9/23/13	92.0	0.20 U	22.4	62.6000	--	8	140.0	0.5230	1	0.17	325	7.45	--	--
3/6/14	105.0	0.61	15.3	674.0000	--	15	192.0	1.4810	--	--	601	7.41	--	--
9/4/14	82.0	0.20 U	14.5	76.0000	--	7	148.0	0.8690	1	0.11	--	9.41	--	--
3/23/15	121.0	0.39	10.0 U	229.0000	--	16	200.0	1.3500	1	0.05 U	333	7.72	--	--
9/3/15	120.0	0.20 U	10.0 U	148.0000	--	8	224.0	1.1700	1	0.05 U	227	7.46	--	--
3/21/16	106.0	0.20 U	17.4	170.0000	--	13	184.0	1.3600	1	0.05 U	--	7.24	--	--
8/30/16	107.0	0.20 U	12.1	128.0000	--	9	192.0	1.1700	1	0.05 U	225	7.26	--	--
3/8/17	80.0	0.20 U	10.0 U	106.0000	--	--	168.0	0.6660	1	0.05 U	335	7.39	--	--
9/13/17	95.0	0.71	10.0 U	89.6000	--	9	166.0	1.1700	1	0.05 U	313	7.35	--	--
4/3/18	103.0	0.20 U	16.5	320.0000	--	12	380.0	0.8220	1	0.05 U	158	7.12	--	--
9/11/18	123.0	0.28	33.5	61.9000	--	8	155.0	0.8580	1	0.07	112	7.33	--	--
4/8/19	106.0	0.43	20.2	157.0000	--	13	--	1.6000	--	--	105	7.90	7.95	--
7/30/19	112.0	0.11	10.7	138.0000	--	8	--	1.5000	--	--	200	6.92	7.57	--
3/10/20	108.0	0.32	18.8	124.0000	--	11	--	1.6500	--	--	123	8.10	7.72	--

Gude Landfill
Monitoring Location ST70 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/2/01	--	--	--	--	--	--	--	--	7.8	--
9/5/01	--	--	--	--	--	--	--	--	1.9	--
3/13/02	--	--	--	--	--	--	--	--	46.3	--
6/3/03	--	--	--	--	--	--	0	--	16.5	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0	--	--	--
3/27/08	--	--	--	--	--	--	0	--	--	--
9/22/09	--	--	20.8	--	--	352	--	--	2.0	--
8/3/10	--	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	--	25.2	--	--	524	--	--	0.8	--
4/18/11	--	--	12.8 J	--	--	312	--	--	10.7	--
9/12/11	--	--	11.6	--	--	256	--	--	--	--
3/5/12	--	--	41.4	--	--	448	--	--	--	--
9/18/12	--	--	27.4	--	--	256	--	--	--	--

Gude Landfill
Monitoring Location ST70 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/18/13	739	--	29.7	--	6.0	380	--	--	--	155.0
9/23/13	425	--	28.7	--	16.2	308	--	--	--	0.6
3/6/14	2485	--	24.1	--	3.4	1286	--	--	--	3.0
9/4/14	447	--	28.1	--	20.8	276	--	--	--	--
3/23/15	863	--	20.4	--	9.4	574	--	--	--	1.8
9/3/15	692	--	22.7	--	24.4	397	--	--	--	0.0
3/21/16	686	--	18.6	--	12.8	407	--	--	--	0.2
8/30/16	610	--	15.0	--	23.5	452	--	--	--	0.0
3/8/17	310	--	12.0	--	9.6	253	--	--	--	10.7
9/13/17	450	--	11.4	--	17.5	344	--	--	--	3.5
4/3/18	1090	--	16.7	--	9.3	690	--	--	--	0.0
9/11/18	452	--	15.9	--	20.0	277	--	--	--	3.0
4/8/19	901	754	25.8	--	18.1	458	--	3.7	4.7	3.3
7/30/19	737	725	30.6	--	22.1	463	--	3.1	4.6	0.0
3/10/20	608	728	53.2	--	10.8	425	--	11.7	9.8	58.6

Gude Landfill
Monitoring Location ST70 - Dissolved Metals

Printed 5/20/20

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/12/11	--	0.01
3/5/12	--	0.01
9/18/12	--	0.01
3/18/13	--	0.01
9/23/13	--	0.01
9/3/15	0.150	--

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/2/01	0.0007 U	0.0020 U	0.0377	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0013 U	--
9/5/01	0.0020 U	0.0007 U	0.0564	0.0017 U	--	0.0006 U	--	0.0095	0.0020 U	0.0097	--	0.0020 U	--
3/13/02	0.0020 U	0.0020 U	0.0344	0.0017 U	--	0.0006 U	--	0.0093	0.0020 U	0.0179	--	0.0046	--
6/3/03	0.0007 U	0.0020 U	0.0510	0.0004 U	--	0.0004 U	--	0.0031	0.0020 U	0.0195	--	0.0020 U	--
9/21/04	0.0028 U	0.0006 U	0.0506	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0107	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0475	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0162	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0885	0.0012 U	--	0.0003 U	--	0.0167	0.0020 U	0.0166	--	0.0020 U	--
4/5/06	0.0006 U	0.0006 U	0.0681	0.0007 U	--	0.0004 U	--	0.0202	0.0020 U	0.0109	--	0.0023	--
9/26/06	0.0007 U	0.0008 U	0.0660	0.0009 U	--	0.0006 U	--	0.0130	0.0020 U	0.0079	--	0.0020 U	--
4/18/07	0.0007 U	0.0008 U	0.0509	0.0009 U	0.062	--	--	0.0034	0.0020 U	0.0072	--	0.0007 U	--
10/4/07	0.0007 U	0.0008 U	0.0699	0.0009 U	0.084	--	--	0.0194	0.0020 U	0.0109	--	0.0039	--
3/27/08	0.0020 U	0.0006 U	0.0508	0.0010 U	0.071	--	--	0.0033	0.0020 U	0.0070	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.1404	0.0002 U	0.044	--	--	0.0422	0.0020 U	0.0127	--	0.0027	--
9/22/09	0.0020 U	0.0020 U	0.0624	0.0020 U	--	0.0020 U	38.2	0.0020 U	0.0005 J	0.0067	0.4	0.0020 U	16.300
8/3/10	0.0010 U	0.0007 J	0.0590	0.0010 U	--	0.0010 U	--	0.0010 U	0.0005 J	0.0020	--	0.0010 U	--
9/21/10	0.0050 U	0.0050 U	0.0632	0.0050 U	--	0.0050 U	42.8	0.0050 U	0.0050 U	0.0076	0.4 J	0.0050 U	17.800
4/18/11	0.0050 U	0.0050 U	0.0498	0.0050 U	--	0.0050 U	32.5 J	0.0050 U	0.0050 U	0.0066	1.0	0.0050 U	13.600
9/12/11	0.0050 U	0.0050 U	0.0488	0.0050 U	--	0.0050 U	27.4	0.0050 U	0.0050 U	0.0071	0.6	0.0050 U	8.980
3/5/12	0.0050 U	0.0050 U	0.0706	0.0050 U	--	0.0050 U	56.8	0.0234	0.0050 U	0.0100	1.4	0.0050 U	16.500
9/18/12	0.0050 U	0.0050 U	0.0544	0.0050 U	--	0.0050 U	31.7	0.0050 U	0.0050 U	0.0066	0.5	0.0050 U	11.700
3/18/13	0.0050 U	0.0050 U	0.0732	0.0050 U	--	0.0050 U	49.3	0.0253	0.0050 U	0.0070	0.8	0.0050 U	18.900
9/23/13	0.0050 U	0.0050 U	0.0606	0.0050 U	--	0.0050 U	39.8	0.0229	0.0050 U	0.0092	0.5	0.0050 U	11.800
3/6/14	0.0050 U	0.0050 U	0.0934	0.0050 U	--	0.0050 U	44.1	0.0050 U	0.0050 U	0.0073	0.7	0.0050 U	19.000

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
9/4/14	0.0050 U	0.0050 U	0.0820	0.0050 U	--	0.0050 U	37.7	0.0113	0.0050 U	0.0057	0.5	0.0050 U	10.900
3/23/15	0.0020 U	0.0020 U	0.0610	0.0020 U	--	0.0040 U	46.0	0.0100 U	0.0100 U	0.0033 J	0.4	0.0020 U	21.000
9/3/15	0.0010 U	0.0011	0.0640	0.0010 U	--	0.0005 U	54.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0010 U	24.000
3/21/16	0.0020 U	0.0020 U	0.0681	0.0020 U	--	0.0020 U	43.0	0.0020 U	0.0020 U	0.0035	0.8	0.0020 U	19.300
8/30/16	0.0020 U	0.0020 U	0.0625	0.0020 U	--	0.0020 U	46.5	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	20.800
3/8/17	0.0050 U	0.0050 U	0.0601	0.0050 U	--	0.0050 U	34.5	0.0050 U	0.0050 U	0.0116	0.5	0.0050 U	14.600
9/13/17	0.0050 U	0.0050 U	0.0655	0.0050 U	--	0.0050 U	38.7	0.0050 U	0.0050 U	0.0052	0.5	0.0050 U	17.300
4/3/18	0.0020 U	0.0020 U	0.0768	0.0020 U	--	0.0020 U	88.4	0.0020 U	0.0020 U	0.0024	0.9	0.0020 U	38.600
9/11/18	0.0050 U	0.0050 U	0.0496	0.0050 U	--	0.0050 U	35.6	0.0050 U	0.0050 U	0.0127	0.3	0.0050 U	16.000
4/8/19	0.0010 U	0.0010 U	0.0786	0.0010 U	--	0.0010 U	37.7	0.0093	0.0014	0.0028	0.6	0.0010 U	22.900
7/30/19	0.0010 U	0.0010 U	0.0837	0.0010 U	--	0.0010 U	49.9 B	0.0044	0.0010 U	0.0015	0.2	0.0010 U	21.200
3/10/20	0.0010 U	0.0010 U	0.0880	0.0010 U	--	0.0010 U	52.3	0.0436	0.0016	0.0014	0.5	0.0010 U	22.100

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/2/01	0.163	0.0001 U	0.0064	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0157
9/5/01	0.110	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/13/02	0.115	0.0001 U	0.0134	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0033	--
6/3/03	0.241	0.0002 U	0.0070	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
9/21/04	0.156	0.0001 U	0.0046	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	0.236	0.0001 U	0.0075	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.127	0.0001 U	0.0059	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	0.272	0.0001 U	0.0086	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	0.106	0.0002 U	0.0044	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	0.0002 U	0.0074	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0167
10/4/07	--	0.0002 U	0.0070	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0187
3/27/08	--	0.0002 U	0.0085	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0160
3/5/09	--	0.0002 U	0.0095	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	0.0342
9/22/09	0.154	0.0002 U	0.0086	4.30	0.0020 U	0.0020 U	34.2	0.0020 U	--	0.0020 U	0.0100 U
8/3/10	--	0.0002 U	0.0081	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0160
9/21/10	0.147	0.0002 U	0.0077	6.84	0.0050 U	0.0050 U	40.1	0.0050 U	--	0.0050 U	0.0066
4/18/11	0.185	0.0002 U	0.0086	4.15	0.0050 U	0.0050 U	45.6 U	0.0050 U	--	0.0050 U	0.0145
9/12/11	0.093	0.0002 U	--	4.52	0.0050 U	0.0050 U	20.4	0.0050 U	--	0.0050 U	0.0121
3/5/12	0.436	0.0002 U	--	13.10	0.0050 U	0.0050 U	77.1	0.0050 U	--	0.0050 U	0.0143
9/18/12	0.076	0.0002 U	--	5.33	0.0050 U	0.0050 U	22.1	0.0050 U	--	0.0050 U	0.0111
3/18/13	0.276	0.0002 U	--	14.30	0.0050 U	0.0050 U	70.3	0.0050 U	--	0.0050 U	0.0136
9/23/13	0.097	0.0002 U	--	13.50	0.0050 U	0.0050 U	25.9	0.0050 U	--	0.0050 U	0.0215
3/6/14	0.344	0.0002 U	0.0103	14.30	0.0050 U	0.0050 U	384.0	0.0050 U	--	0.0050 U	0.0257

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/4/14	0.080	0.0002 U	0.0050 U	12.30	0.0050 U	0.0050 U	30.7	0.0050 U	--	0.0050 U	0.0101
3/23/15	0.320	0.0002 U	0.0110	5.50	0.0350 U	0.0100 U	130.0	0.0020 U	--	0.0100 U	0.0140
9/3/15	--	0.0002 U	0.0100 U	5.20	0.0050 U	0.0010 U	50.0	0.0010 U	--	0.0050 U	0.0054
3/21/16	0.272	0.0002 U	0.0079	3.83	0.0020 U	0.0020 U	71.6	0.0010 U	--	0.0020 U	0.0107
8/30/16	0.079	0.0002 U	0.0038	4.25	0.0020 U	0.0020 U	39.1	0.0010 U	--	0.0020 U	0.0036
3/8/17	0.191	0.0002 U	0.0080	2.88	0.0050 U	0.0050 U	49.1	0.0050 U	--	0.0050 U	0.0140
9/13/17	0.150	0.0002 U	0.0051	3.44	0.0050 U	0.0050 U	31.8	0.0050 U	--	0.0050 U	0.0242
4/3/18	0.329	0.0002 U	0.0094	7.49	0.0020 U	0.0020 U	312.0	0.0010 U	--	0.0020 U	0.0115
9/11/18	0.081	0.0002 U	0.0079	4.80	0.0050 U	0.0050 U	26.0	0.0050 U	--	0.0050 U	0.0282
4/8/19	0.261	0.0001 U	0.0069	6.01	0.0010 U	0.0010 U	64.8	0.0010 U	--	0.0010 U	0.0095
7/30/19	0.147	0.0001 U	0.0043	8.20	0.0010 U	0.0010 U	49.2 B	0.0010 U	--	0.0010 U	0.0119
3/10/20	0.336	0.0001 U	0.0065	14.90	0.0010 U	0.0010 U	48.3	0.0010 U	--	0.0010 U	0.0101

Gude Landfill

Printed 5/20/20

Monitoring Location ST70 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.64	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.48 J	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location ST70 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	1.00 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	1.00 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.34 J	1.00 U	0.32 J	1.00 U	1.00 U	1.00 U	1 U	0.43 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	9.70	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	1.00 U	1.00 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	1.00 U	0.21 U	--	1.00 U	0.19 U	1.00 U	1.00 U	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.09	--	0.26 U
6/3/03	1.00 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	4.24	0.21 U	--	0.22 U	0.19 U	1.00 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	1.00 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	1.04	0.13 U	0.15 U	0.19 U	--	0.26 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.50 U	0.20 U	--	1.17	0.12 U	0.13 U	0.50 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	0.1 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	0.47
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

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Monitoring Location ST70 - Volatile Organic Compounds

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	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.61	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

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	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	12.18	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	5.00 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/5/09	--	0.12 U	0.23 U	--	--	7.27	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	1.04 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Monitoring Location ST70 - Volatile Organic Compounds

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	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/10/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location ST70 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/13/02	1.55	1.00 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/18/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/4/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/27/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/21/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	0.97	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	2
9/18/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--

Gude Landfill

Monitoring Location ST70 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/23/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/10/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location ST80 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/2/01	--	--	--	41.3036	0.005 U	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	17.4057	0.007	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	59.6393	0.002	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	25.1835	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.040	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012	--
9/26/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.010 U	--
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.029	--
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	48.0	0.20 U	6.7 J	32.6000	--	--	70.0	0.8957	--	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	44.0	0.20 U	17.0	28.6000	--	--	68.0	0.3500	0	0.02 J	--	--	--	--	--
4/18/11	32.0	0.20 U	14.6	27.1000	--	--	46.0	0.8560	1	0.05 U	--	--	--	--	--
9/12/11	42.0	0.20 U	12.5	29.4000	--	--	55.0	0.4230	0	0.05 U	--	--	--	--	--
3/5/12	34.0	0.20 U	10.3	45.8000	--	--	58.0	1.6800	2	0.05 U	--	--	--	--	--

Gude Landfill
Monitoring Location ST80 - General Parameters

Printed 5/20/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/18/12	54.0	0.20 U	10.8	38.1000	--	--	86.0	0.6790	1	0.05 U	--	--	--	--	--
3/18/13	34.0	0.20 U	10.0 U	107.0000	--	13	66.0	1.5200	2	0.05 U	--	7.11	--	--	467
9/23/13	569.0	0.20 U	14.4	43.0000	--	8	76.0	0.3090	0	0.05 U	334	7.65	--	--	231
3/6/14	31.0	0.20 U	10.0 U	207.0000	--	14	84.0	1.7900	--	--	446	7.64	--	--	685
9/4/14	41.0	0.20 U	20.5	40.9000	--	7	76.0	0.5340	1	0.05 U	--	7.60	--	--	211
3/19/15	33.0	0.20 U	12.9	177.0000	--	14	82.0	1.2700	1	0.05 U	301	7.62	--	--	541
9/9/15	60.0	0.20 U	10.0 U	70.6000	--	7	106.0	0.7960	1	0.05 U	--	6.93	--	--	334
3/22/16	34.0	0.20 U	10.0 U	111.0000	--	13	80.0	1.5600	2	0.05 U	--	8.03	--	--	393
9/6/16	45.0	0.20 U	11.4	40.9000	--	7	92.0	0.5280	1	0.05 U	295	7.33	--	--	220
3/8/17	40.0	0.20 U	10.0 U	77.0000	--	15	120.0	1.2700	1	0.05 U	228	7.13	--	--	572
9/13/17	45.0	0.20 U	10.0 U	40.1000	--	7	100.0	1.0988	1	0.06	321	7.43	--	--	223
4/3/18	34.5	0.20 U	10.0 U	181.0000	--	12	88.6	1.6500	2	0.05 U	215	7.33	--	--	583
9/11/18	33.4	0.31	17.1	24.4000	--	8	52.1	0.6450	1	0.05 U	44	7.29	--	--	153
4/8/19	104.0	0.10 U	21.0	152.0000	--	14	--	1.6000	--	--	136	9.18	9.02	--	860
7/30/19	123.0	0.10 U	15.9	140.0000	--	8	--	1.8000	--	--	200	7.76	7.96	--	751
3/10/20	112.0	0.11	9.0	135.0000	--	12	--	1.5000	--	--	147	8.15	8.05	--	571

Gude Landfill
Monitoring Location ST80 - General Parameters

Printed 5/20/20

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/2/01	--	--	--	--	--	--	--	9.7	--
9/5/01	--	--	--	--	--	--	--	2.5	--
3/13/02	--	--	--	--	--	--	--	28.3	--
6/3/03	--	--	--	--	--	0 U	--	51.0	--
9/21/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0 U	--	--	--
4/5/06	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	0	--	--	--
3/27/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/22/09	--	8.2	--	--	144	--	--	1.9	--
8/3/10	--	--	3.0 U	--	--	--	--	--	--
9/23/10	--	5.5	--	--	168	--	--	7.9	--
4/18/11	--	6.6	--	--	144	--	--	91.8	--
9/12/11	--	6.0	--	--	160	--	--	--	--
3/5/12	--	5.8	--	--	168	--	--	--	--

**Gude Landfill
Monitoring Location ST80 - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/18/12	--	5.6	--	--	160	--	--	--	--
3/18/13	--	8.5	--	7.4	246	--	--	--	1000.0
9/23/13	--	6.4	--	18.4	180	--	--	--	4.0
3/6/14	--	10.0	--	4.5	396	--	--	--	8.8
9/4/14	--	5.9	--	23.1	168	--	--	--	--
3/19/15	--	8.6	--	5.5	362	--	--	--	24.0
9/9/15	--	7.6	--	22.1	172	--	--	--	--
3/22/16	--	8.7	--	9.2	236	--	--	--	2.3
9/6/16	--	4.7	--	21.3	154	--	--	--	0.6
3/8/17	--	8.6	--	8.2	213	--	--	--	1.5
9/13/17	--	6.3	--	18.7	195	--	--	--	0.5
4/3/18	--	8.3	--	9.9	397	--	--	--	2.4
9/11/18	--	4.5	--	20.6	81	--	--	--	1.2
4/8/19	723	27.5	--	18.7	445	--	4.4	4.6	5.9
7/30/19	735	21.9	--	22.2	465	--	2.4 U	0.8	0.0
3/10/20	680	22.6	--	10.8	378	--	2.9	2.6	119.3

Gude Landfill
Monitoring Location ST80 - Dissolved Metals

Printed 5/20/20

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/12/11	--	0.01 U
3/5/12	--	0.01 U
9/18/12	--	0.01 U
3/18/13	--	0.01 U
9/23/13	--	0.01
9/9/15	0.170	--

Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/2/01	0.0007 U	0.0020 U	0.0247	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0173	--	0.0020 U	--
9/5/01	0.0020 U	0.0020 U	0.0250	0.0017 U	--	0.0006 U	--	0.0012 U	0.0020 U	0.0063	--	0.0020 U	--
3/13/02	0.0005 U	0.0020 U	0.0854	0.0017 U	--	0.0006 U	--	0.0061	0.0071	0.0126	--	0.0080	--
6/3/03	0.0007 U	0.0020 U	0.0282	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0172	--	0.0020 U	--
9/21/04	0.0028 U	0.0006 U	0.0252	0.0012 U	--	0.0003 U	--	0.0020 U	0.0005 U	0.0133	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0298	0.0012 U	--	0.0003 U	--	0.0042	0.0020 U	0.0116	--	0.0020	--
9/21/05	0.0028 U	0.0020 U	0.0436	0.0012 U	--	0.0003 U	--	0.0020 U	0.0023	0.0117	--	0.0028	--
4/5/06	0.0006 U	0.0006 U	0.0294	0.0007 U	--	0.0004 U	--	0.0020 U	0.0005 U	0.0125	--	0.0023	--
9/26/06	0.0007 U	0.0008 U	0.0265	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0051	--	0.0020 U	--
4/18/07	0.0007 U	0.0008 U	0.0297	0.0009 U	0.025	--	--	0.0026	0.0020 U	0.0072	--	0.0020 U	--
10/4/07	0.0007 U	0.0008 U	0.0490	0.0009 U	0.061	--	--	0.0021	0.0020 U	0.0070	--	0.0020 U	--
3/27/08	0.0005 U	0.0006 U	0.0305	0.0010 U	0.020 U	--	--	0.0020 U	0.0020 U	0.0061	--	0.0020 U	--
9/24/08	0.0010 U	0.0012 U	0.0405	0.0020 U	0.041	--	--	0.0016 U	0.0024 U	0.0056	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.0513	0.0002 U	0.015	--	--	0.0020 U	0.0020 U	0.0064	--	0.0020 U	--
9/22/09	0.0020 U	0.0020 U	0.0365	0.0020 U	--	0.0020 U	16.2	0.0020 U	0.0020 U	0.0056	0.3	0.0020 U	7.410
8/3/10	0.0010 U	0.0012	0.0400	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0010	--	0.0010 U	--
9/23/10	0.0050 U	0.0050 U	0.0311	0.0050 U	--	0.0050 U	12.5	0.0050 U	0.0050 U	0.0066	0.9	0.0050 U	6.230
4/18/11	0.0050 U	0.0050 U	0.0387	0.0050 U	--	0.0050 U	11.8	0.0050 U	0.0050 U	0.0068	1.4	0.0050 U	5.730
9/12/11	0.0050 U	0.0050 U	0.0315	0.0050 U	--	0.0050 U	11.9	0.0050 U	0.0050 U	0.0050	0.5	0.0050 U	5.470
3/5/12	0.0050 U	0.0050 U	0.0346	0.0050 U	--	0.0050 U	14.2	0.0050 U	0.0050 U	0.0058	0.7	0.0050 U	7.920
9/18/12	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	18.6	0.0050 U	0.0050 U	0.0050 U	1.2	0.0050 U	11.200
3/18/13	0.0050 U	0.0050 U	0.0408	0.0050 U	--	0.0050 U	16.5	0.0050 U	0.0050 U	0.0061	0.8	0.0050 U	8.710
9/23/13	0.0050 U	0.0050 U	0.0391	0.0050 U	--	0.0050 U	17.5	0.0050 U	0.0050 U	0.0084	0.6	0.0050 U	10.500

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/6/14	0.0050 U	0.0050 U	0.0505	0.0050 U	--	0.0050 U	16.4	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	9.320
9/4/14	0.0050 U	0.0050 U	0.0370	0.0050 U	--	0.0050 U	15.8	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	7.830
3/19/15	0.0020 U	0.0020 U	0.0430	0.0020 U	--	0.0040 U	14.0	0.0100 U	0.0100 U	0.0026 J	1.0	0.0020 U	7.300
9/9/15	0.0010 U	0.0010 U	0.0400	0.0010 U	--	0.0005 U	24.0	0.0050 U	0.0050 U	0.0050 U	0.4	0.0010 U	13.000
3/22/16	0.0020 U	0.0020 U	0.0407	0.0020 U	--	0.0020 U	16.4	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	9.040
9/6/16	0.0020 U	0.0020 U	0.0384	0.0020 U	--	0.0020 U	15.9	0.0020 U	0.0020 U	0.0020 U	0.8	0.0020 U	8.130
3/8/17	0.0050 U	0.0050 U	0.0465	0.0050 U	--	0.0050 U	21.7	0.0050 U	0.0050 U	0.0061	0.5	0.0050 U	11.800
9/13/17	0.0050 U	0.0050 U	0.0383	0.0050 U	--	0.0050 U	19.6	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	9.240
4/3/18	0.0050 U	0.0050 U	0.0541	0.0050 U	--	0.0050 U	18.8	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	10.100
9/11/18	0.0050 U	0.0050 U	0.0349	0.0050 U	--	0.0050 U	11.7	0.0050 U	0.0050 U	0.0050 U	1.3	0.0050 U	5.540
4/8/19	0.0010 U	0.0010 U	0.0644	0.0010 U	--	0.0010 U	38.6	0.0099	0.0010	0.0030	0.6	0.0010 U	22.200
7/30/19	0.0010 U	0.0010 U	0.0694	0.0010 U	--	0.0010 U	47.7 B	0.0010 U	0.0010 U	0.0010 U	0.1	0.0010 U	22.100
3/10/20	0.0010 U	0.0010 U	0.0738	0.0010 U	--	0.0010 U	43.2	0.0033	0.0010	0.0010 U	0.4	0.0010 U	24.100

Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/2/01	0.123	0.0002 U	0.0032	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0022	0.0100 U
9/5/01	0.151	0.0001 U	0.0030 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/13/02	0.720	0.0001 U	0.0109	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0148	--
6/3/03	0.115	0.0002 U	0.0037	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
9/21/04	0.211	0.0001 U	0.0022	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	0.144	0.0001 U	0.0055	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0045	--
9/21/05	0.792	0.0001 U	0.0053	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0030	--
4/5/06	0.074	0.0001 U	0.0028	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	0.132	0.0002 U	0.0020 U	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0020 U	--
4/18/07	--	0.0002 U	0.0056	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0028	0.0091
10/4/07	--	0.0002 U	0.0043	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0085
3/27/08	--	0.0002 U	0.0036	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0066
9/24/08	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	0.0002 U	0.0035	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	0.0078
9/22/09	0.126	0.0002 U	0.0042	3.08	0.0020 U	0.0020 U	17.4	0.0020 U	--	0.0020 U	0.0100 U
8/3/10	--	0.0002 U	0.0025	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0120
9/23/10	0.155	0.0002 U	0.0050 U	2.68	0.0050 U	0.0050 U	14.0	0.0050 U	--	0.0050 U	0.0050 U
4/18/11	0.149	0.0002 U	0.0055	2.16	0.0050 U	0.0050 U	14.6	0.0050 U	--	0.0050 U	0.0095
9/12/11	0.057	0.0002 U	--	3.82	0.0050 U	0.0050 U	12.1	0.0050 U	--	0.0050 U	0.0056
3/5/12	0.079	0.0002 U	--	2.57	0.0050 U	0.0050 U	28.2	0.0050 U	--	0.0050 U	0.0061
9/18/12	0.184	0.0002 U	--	3.80	0.0050 U	0.0050 U	16.4	0.0050 U	--	0.0050 U	0.0050 U
3/18/13	0.115	0.0002 U	--	2.69	0.0050 U	0.0050 U	64.6	0.0050 U	--	0.0050 U	0.0064
9/23/13	0.098	0.0002 U	--	3.86	0.0050 U	0.0050 U	17.2	0.0050 U	--	0.0050 U	0.0128

Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 5/20/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/6/14	0.107	0.0002 U	0.0051	2.53	0.0050 U	0.0050 U	110.0	0.0050 U	--	0.0050 U	0.0083
9/4/14	0.149	0.0002 U	0.0050 U	2.60	0.0050 U	0.0050 U	14.9	0.0050 U	--	0.0050 U	0.0079
3/19/15	0.130	0.0002 U	0.0058 J	3.00	0.0350 U	0.0100 U	92.0	0.0020 U	--	0.0100 U	0.0073 J
9/9/15	--	0.0002 U	0.0100 U	3.20	0.0050 U	0.0010 U	24.0	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	0.096	0.0002 U	0.0025	2.04	0.0020 U	0.0020 U	49.1	0.0010 U	--	0.0020 U	0.0020 U
9/6/16	0.299	0.0002 U	0.0033	3.15	0.0020 U	0.0020 U	14.2	0.0010 U	--	0.0020 U	0.0022
3/8/17	0.113	0.0002 U	0.0050 U	2.40	0.0050 U	0.0050 U	29.6	0.0050 U	--	0.0050 U	0.0050 U
9/13/17	0.139	0.0002 U	0.0050 U	2.73	0.0050 U	0.0050 U	14.9	0.0050 U	--	0.0050 U	0.0167
4/3/18	0.088	0.0002 U	0.0050 U	2.22	0.0050 U	0.0050 U	84.0	0.0050 U	--	0.0050 U	0.0223
9/11/18	0.220	0.0002 U	0.0050 U	3.32	0.0050 U	0.0050 U	10.6	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	0.194	0.0001 U	0.0046	6.73	0.0010 U	0.0010 U	63.7	0.0010 U	--	0.0010 U	0.0048
7/30/19	0.042	0.0001 U	0.0024	6.98	0.0010 U	0.0010 U	48.7 B	0.0010 U	--	0.0010 U	0.0040 U
3/10/20	0.249	0.0001 U	0.0048	6.08	0.0010 U	0.0010 U	50.6	0.0010 U	--	0.0010 U	0.0041

Gude Landfill

Printed 5/20/20

Monitoring Location ST80 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	4.68	1.00 U	0.20 U	1.12	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.09	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.50 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 5/20/20

Monitoring Location ST80 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	1.00 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.01	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.17 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.37 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	1.49 J	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 5/20/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	10.40	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.09	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	2.41	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	2.35	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.25 U	0.13 U	0.15 U	0.19 U	--	0.26 U
9/24/08	0.11 U	0.16 U	0.50 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 5/20/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 5/20/20

Monitoring Location ST80 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	5.23	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.04	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	1.00 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.11	1.00 U	1.00 U	1.00 U	1.00 U	0.25 U	1.00 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/24/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 5/20/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/10/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill Monitoring Location ST80 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/13/02	3.86	0.24 U	--	0.22 U	0.13 U	0.14 U	1.61	1.00 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/18/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/4/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/27/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/24/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	0.72	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	2
9/18/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--

Gude Landfill

Printed 5/20/20

Monitoring Location ST80 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/10/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill
Monitoring Location SW-1 - General Parameters

Printed 5/20/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-1 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0007 J	0.0390	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0002 U	0.0047	0.0010 U

Gude Landfill Monitoring Location SW-1 - Total Metals

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0110

Gude Landfill

Printed 5/20/20

Monitoring Location SW-1 - Volatile Organic Compounds

Compound	MCL/ GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

Gude Landfill
Monitoring Location SW-1 - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-1 - Volatile Organic Compounds

Printed 5/20/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.60 J

Gude Landfill
Monitoring Location SW-1 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	0.50 J	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location SW-2 - General Parameters

Printed 5/20/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-2 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0008 J	0.0410	0.0010 U	0.0010 U	0.0010 U	0.0005 J	0.0008 J	0.0010 U	0.0002 U	0.0052	0.0010 U

Gude Landfill Monitoring Location SW-2 - Total Metals

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0120

Gude Landfill

Printed 5/20/20

Monitoring Location SW-2 - Volatile Organic Compounds

Compound	MCL/ GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

Gude Landfill
Monitoring Location SW-2 - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-2 - Volatile Organic Compounds

Printed 5/20/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-2 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location SW-3 - General Parameters

Printed 5/20/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-3 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0015	0.2300	0.0010 U	0.0010 U	0.0026	0.0390	0.0090	0.0013	0.0002 U	0.0560	0.0010 U

Gude Landfill
Monitoring Location SW-3 - Total Metals

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0026 J	0.0150

Gude Landfill

Printed 5/20/20

Monitoring Location SW-3 - Volatile Organic Compounds

Compound	MCL/ GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

Gude Landfill
Monitoring Location SW-3 - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-3 - Volatile Organic Compounds

Printed 5/20/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-3 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location SW-4 - General Parameters

Printed 5/20/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-4 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0007 J	0.0560	0.0010 U	0.0010 U	0.0010 U	0.0008 J	0.0015	0.0010 U	0.0002 U	0.0066	0.0010 U

Gude Landfill
Monitoring Location SW-4 - Total Metals

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0140

Gude Landfill

Printed 5/20/20

Monitoring Location SW-4 - Volatile Organic Compounds

Compound	MCL/ GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

Gude Landfill
Monitoring Location SW-4 - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-4 - Volatile Organic Compounds

Printed 5/20/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill Monitoring Location SW-4 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill
Monitoring Location SW-5 - General Parameters

Printed 5/20/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-5 - Total Metals

Printed 5/20/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0006 J	0.0370	0.0010 U	0.0010 U	0.0006 J	0.0010 U	0.0014	0.0010 U	0.0002 U	0.0026	0.0010 U

Gude Landfill Monitoring Location SW-5 - Total Metals

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0130

Gude Landfill

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Monitoring Location SW-5 - Volatile Organic Compounds

Compound	MCL/ GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

Gude Landfill
Monitoring Location SW-5 - Volatile Organic Compounds

Printed 5/20/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-5 - Volatile Organic Compounds

Printed 5/20/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill
Monitoring Location SW-5 - Volatile Organic Compounds**

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U