



**Spring 2021
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

Prepared by

EA Engineering, Science, and Technology, Inc., PBC
225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
410-584-7000

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LIST OF ACRONYMS AND ABBREVIATIONS

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

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1. INTRODUCTION

1.1 INTRODUCTION

On behalf of Montgomery County (the County) Department of Environmental Protection (DEP), EA Engineering, Science, and Technology, Inc., PBC completed the semi-annual groundwater and surface-water sampling for Gude Landfill (the Landfill) located in Rockville, Maryland, for the Spring 2021 sampling event. This report summarizes, interprets, and statistically analyzes the analytical results for the semi-annual sampling event performed in March–April 2021.

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

1.2 BACKGROUND

1.2.1 Site Description

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

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

1.2.2 Site History

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

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

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

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

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

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

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

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

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

1.2.3 Hydrogeologic Setting

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

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

Groundwater flow is highly dependent on the composition and grain size of the sediments and, therefore, water likely moves more readily in the unconsolidated material than in the underlying bedrock. Groundwater in the bedrock (typically 20–60 feet below grade) is stored in, and moves

through, fractures. No documentation of the degree of fracturing or orientation of bedrock fractures at the Landfill is available.

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

2. SAMPLING PROCEDURES

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

Prior to sample acquisition, wells were purged to ensure that the sample collection was as representative as possible of that in the aquifer. Low-flow purging and sampling methods (less than 0.5 liter per minute) were performed and achieved for the Spring 2021 sampling event at all monitoring well locations.

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

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

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

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

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

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

3. SUMMARY OF GROUNDWATER AND SURFACE WATER RESULTS

During the Spring 2021 semi-annual sampling event (March 22–April 1, 2021), 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 2021 calendar year monitoring period in accordance with the revised GW&SWMP (July 2020).

During the Spring 2021 sampling event, groundwater monitoring well samples were analyzed by Maryland Spectral Services Laboratory located in Baltimore, Maryland. The laboratory utilized the following methods for analyses:

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

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

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

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

3.1 GROUNDWATER FLOW

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

stream gauges were consistent with groundwater table elevations from adjacent groundwater monitoring wells and locations, indicating a hydraulic connection between groundwater and surface water. Groundwater elevation data collected were utilized to prepare a groundwater contour map for the Spring 2021 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 2021 are presented in **Table 1**.

3.2 ANALYTICAL RESULTS

3.2.1 Quality Control Samples

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

During the Spring 2021 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 2021 sampling event to obtain an estimate of laboratory method precision. As shown in **Table 3**, two VOCs were detected with an RPD greater than 20 percent between the duplicates and corresponding samples, which are indicated by the gray shading. As shown in **Table 4**, the RPDs for five 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 2021 analytical results is provided in **Table 2**.

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

The MCL exceedances are summarized in **Table 5**. There were no VOC detections in the surface water monitoring locations (ST015, ST065, ST70, ST80, and ST120), with the exception of trichloroethene detected at a concentration of 1.9 micrograms per liter ($\mu\text{g/L}$) in ST015 and acetone detected at a concentration of 6.6 $\mu\text{g/L}$ in ST70. 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 µg/L) in MW-11B (7.5 µg/L), MW-13A (6.0 µg/L), and MW-13B (9.2 µg/L);
- Trichloroethene (TCE) was detected above the MCL (5 µg/L) in MW-13A (7.8 µg/L) and MW-13B (9.0 µg/L); and
- Vinyl chloride (VC) was detected above the MCL (2 µg/L) in five wells: MW-13A (2.2 µg/L), MW-13B (4.5 µg/L), OB03 (4.2 µg/L), and OB04A (2.5 µg/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 higher than both the Northwest and West portions of the Landfill. During this sampling event, wells MW-21B and OB12 had MCL exceedances in this area of the Landfill.

- PCE was detected above the MCL (5 µg/L) in well OB12 (14.6 µg/L);
- TCE was detected above the MCL (5 µg/L) in MW-21B (16.6 µg/L), and OB12 (13.9 µg/L);
- VC was detected above the MCL (2 µg/L) in MW-21B (3.5 µg/L) and OB12 (9.5 µg/L); and
- 1,2-dichloropropane was detected above the MCL (5 µg/L) in OB12 (9.0 µg/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 µg/L) in OB11 (77.1 µg/L);
- PCE was detected above the MCL (5 µg/L) in OB11 (7.1 µg/L);
- TCE was detected above the MCL (5 µg/L) in OB11 (7.8 µg/L) and OB11A (7.1 µg/L); and
- VC was detected above the MCL (2 µg/L) in OB11 (17.1 µg/L) and OB11A (19.7 µg/L).

These exceedances are consistent with past events.

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

- Benzene was detected above the MCL (5 µg/L) in MW-24B (5.9 µg/L); and
- VC was detected above the MCL (2 µg/L) in MW-24A (12.7 µg/L) and OB10 (27.8 µg/L).

These exceedances are consistent with past events.

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

- No MCL exceedances for VOCs were 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 arsenic was detected above the MCL (0.01 milligrams per liter [mg/L]) in MW-24B (0.0326 mg/L).
- Total cadmium was detected above the MCL (0.005 mg/L) in OB11 (0.0127 mg/L).
- Total mercury was detected above the MCL (0.002 mg/L) in OB11 (0.00422 mg/L).

All the exceedances are consistent with historical data.

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

- Chromium was detected below the MCL in ST015, ST70, and ST80; and
- Cobalt was detected at estimated concentrations below the MCL in ST015 and ST70.

All the detections are consistent with historical data.

3.2.4 General Water Quality Parameters

During this sampling event, a first time MCL exceedance for nitrate was observed at MW-16A (**Table 6**). Nitrate was detected above the MCL (10 mg/L) in MW-16A (14.8 mg/L). MDE was notified of the first time MCL exceedance on May 19, 2021. This was the eighth sampling event for this well. Since this exceedance is likely representative of background groundwater conditions, the County chose not to perform verification re-sampling for this exceedance.

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.

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4. STATISTICAL ANALYSIS

EA performed statistical analysis for Gude Landfill groundwater monitoring data for the Spring 2021 sampling event. Statistical analysis was performed for wells within the Landfill groundwater monitoring network using data collected from 2001 through April 2021, when available.

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

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

Because there is insufficient 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

Fourteen VOCs were identified as having increasing statistical trends, and 22 of the groundwater monitoring wells had one or more VOCs with increasing statistical trends (**Table 8**). Fifteen VOCs were identified as having decreasing trends, and 25 of the groundwater monitoring wells had one or more VOCs with decreasing statistical trends (**Table 9**).

Twelve VOCs (1,1-dichloroethane, 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: chloroethane (OB03 and OB03A), toluene (MW-24B), and trichlorofluoromethane (OB11 and OB11A).

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

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

- MW-8, MW-11A, MW-12, 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 (1 parameter).
- Statistically significant decreasing VOC trends were observed for MW-13A (10 parameters), MW-13B (12 parameters), MW-16A (1 parameter), OB03 (9 parameters), OB03A (8 parameters), and OB04A (1 parameter).

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

- MW-10, MW-14A, MW-14B, and MW-15 had no statistically significant increasing or decreasing VOC trends this event.
- MW-6, MW-9, OB01, OB02, and OB02A had no statistically significant increasing VOC trends this event.
- MW-19A and MW-19B had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for MW-7 (1 parameter), MW-19A (3 parameters), and MW-19B (2 parameters).
- Statistically significant decreasing VOC trends were observed for MW-6 (1 parameter), MW-7 (2 parameters), MW-9 (1 parameter), OB01 (4 parameters), OB02 (1 parameter), and OB02A (2 parameters).

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

- MW-21A had no statistically significant increasing or decreasing VOC trends this event.
- OB015 had no statistically significant increasing VOC trends this event.
- MW-21B had no statistically significant decreasing VOC trends this event.

- Statistically significant increasing VOC trends were observed for MW-21B (5 parameters) and OB12 (8 parameters).
- Statistically significant decreasing VOC trends were observed for OB015 (1 parameter) and OB12 (1 parameter).

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

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

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

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

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

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

4.2.2 Metals

Sixteen metals (total) were identified as having increasing statistical trends, and 29 of the groundwater monitoring wells had one or more metals with increasing statistical trends (**Table 8**). Sixteen metals (total) were identified as having decreasing statistical trends, and 39 of the groundwater monitoring wells had one or more metals with decreasing statistical trends (**Table 9**). The trend analysis does not indicate an overall trend of improvement or degradation in the groundwater quality with respect to metals concentrations. Beginning with the Spring 2015 sampling event, low-flow groundwater sampling methods were employed due to issues with high metal concentrations potentially related to high turbidity. Future data will be assessed to determine whether the reported concentrations of metals in samples collected using low-flow sampling methods, once the low-flow method is performed accurately at all well locations, are consistently lower than the concentrations reported using the old methodology. If such a difference is observed, the changed sampling methodology could result in artificial decreasing trends in total metals, which do not reflect changes in groundwater chemistry. If needed, the statistical methods used as part of the semi-annual groundwater evaluation could be modified to address such artificial trends. In order to conduct meaningful comparisons, it is recommended that a minimum of 4 years of low-flow sampling (eight events) be collected before conducting hypothesis testing to compare the low-flow methodology to those obtained using three well volume purge methods. Since there was some variability in the low-flow methodology prior to 2019, this assessment will be performed in 2023.

4.2.3 General Indicator Parameters

Forty-two groundwater monitoring well locations were determined to have statistically increasing trends for one or more general indicator parameters (**Table 8**), and 43 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 2021 semi-annual sampling event and historical data dating back to 2001. The data indicate that groundwater has a primarily easterly flow direction across the Landfill site, which is consistent with historical flow direction. Twelve monitoring wells had MCL exceedances for one or more VOCs and two monitoring wells had MCL exceedances for one or more metals during this monitoring event. A first time MCL exceedance was observed for a general water quality parameter during this event which is likely representative of groundwater conditions.

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

6. REFERENCES

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Figures

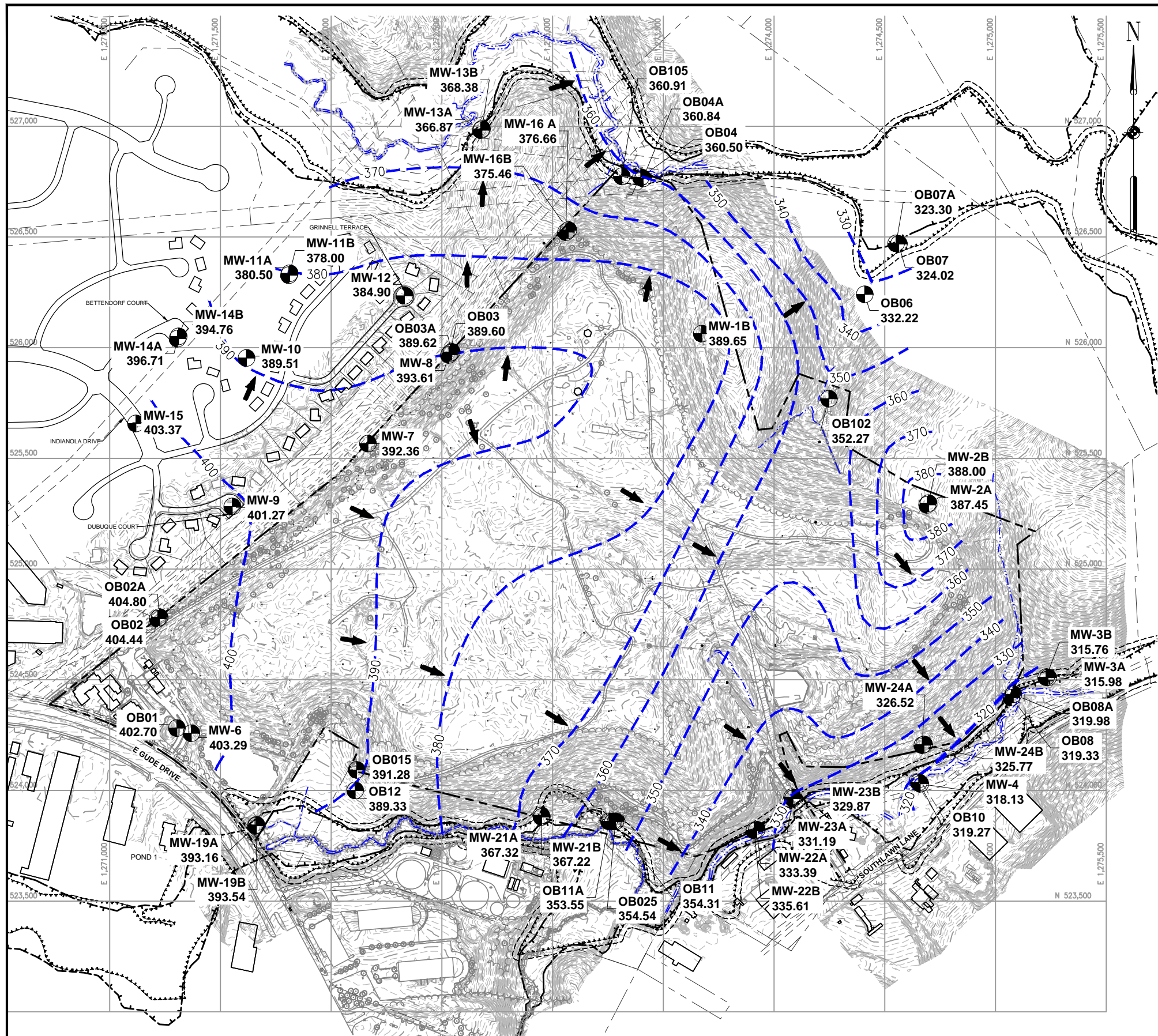
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Figure 1.
Groundwater and Surface Water Monitoring Locations
May 2017

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FILE PATH: Q:\PROJECTS\1564601 - GUDE LF DESIGN\CAD\PRODUCTION\FIGURES\GROUNDWATER CONTOUR MAPS\SPRING 2021\FIG 2 - MARCH 2021.DWG [4-1 (11X17)] 12/20/16

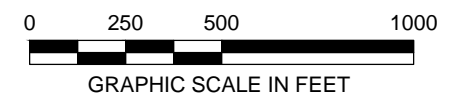


NOTES:

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

LEGEND

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



EA Engineering, Science, and Technology, Inc., PBC
 Hunt Valley Center
 225 Schilling Circle, Suite 400
 Hunt Valley, Maryland 21031
 (410) 584-7000

PROJECT NUMBER: 15646.01	DESIGNED BY: PL/LJO	DRAWN BY: CVH	FIGURE: 2
DATE: JUNE 2021	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 2021**

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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 2021 Depth to Water
		F2014	S2015	F2015	S2016	F2016	S2017	F2017	S2018	F2018	S2019	F2019	S2020	F2020	S2021	
MW1B	434.00	391.76	387.14	387.58	383.79	383.44	381.07	378.78	376.73	380.47	397.70	393.00	387.00	388.99	389.65	44.35
MW2A	445.53	388.79	378.42	381.99	374.97	375.27	371.55	368.49	367.57	367.64	399.63	391.88	379.73	386.64	387.45	58.08
MW2B	444.45	388.74	378.42	382.01	374.59	375.40	371.18	367.40	364.37	365.32	399.65	391.35	379.95	386.55	388.00	56.45
MW3A	324.54	317.61	316.13	314.89	315.45	314.59	314.69	314.13	314.43	314.22	315.54	315.54	315.54	315.24	315.98	8.56
MW3B	324.73	316.15	318.24	315.28	317.07	316.30	315.56	314.33	315.11	314.95	319.71	317.73	316.73	315.77	315.76	8.97
MW04	324.75	318.17	318.59	317.93	318.35	317.77	318.00	317.93	317.98	318.52	318.35	317.45	318.20	317.95	318.13	6.62
MW06	417.29	401.58	403.40	400.31	402.76	400.77	399.84	400.67	401.42	402.73	403.49	401.59	403.24	402.09	403.29	14.00
MW07	433.81	389.88	391.09	387.91	388.37	386.13	383.42	382.90	383.93	388.15	394.91	391.81	390.66	390.01	392.36	41.45
MW08	412.66	389.40	394.17	387.40	389.92	386.31	383.59	382.99	385.29	394.40	396.16	390.66	391.46	389.16	393.61	19.05
MW09	417.69	399.12	400.95	397.09	400.05	397.19	396.30	395.78	397.55	399.28	403.44	399.49	400.69	400.19	401.27	16.42
MW10	394.03	379.96	390.48	383.56	387.30	383.45	383.15	380.53	384.52	387.34	391.43	387.53	387.78	386.43	389.51	4.52
MW11A	393.45	376.37	381.79	374.79	379.66	374.86	375.22	374.24	377.27	378.29	379.18	377.45	379.75	377.25	380.50	12.95
MW11B	393.40	376.06	378.93	374.22	377.68	374.43	375.26	374.20	376.03	377.44	382.10	376.40	378.15	376.18	378.00	15.40
MW12	397.55	390.12	384.58	380.85	383.77	380.33	379.40	378.51	380.79	384.05	389.34	383.45	383.90	382.95	384.90	12.65
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	366.44	366.87	6.50
MW13B	373.35	367.77	368.72	366.49	368.24	366.87	367.41	366.85	367.66	368.11	368.53	367.15	368.05	367.35	368.38	4.97
MW-14A*	412.31	--	--	--	--	--	--	--	--	--	398.91	394.91	396.11	394.26	396.71	15.60
MW-14B*	412.34	--	--	--	--	--	--	--	--	--	397.24	392.04	394.19	392.04	394.76	17.58
MW-15*	414.45	--	--	--	--	--	--	--	--	--	405.25	401.85	402.95	401.15	403.37	11.08
MW-16A	420.11	--	--	--	--	--	--	371.14	370.79	373.44	378.55	375.91	374.81	375.57	376.66	43.45
MW-16B	418.68	--	--	--	--	--	--	370.54	370.29	372.79	376.88	374.88	374.08	375.18	375.46	43.22
MW-19A	397.54	--	--	--	--	--	--	392.50	393.33	394.22	393.29	393.04	393.34	393.14	393.16	4.38
MW-19B	397.33	--	--	--	--	--	--	392.51	393.32	394.25	393.71	393.13	393.63	393.63	393.54	3.79
MW-21A	372.45	--	--	--	--	--	--	362.89	364.67	365.61	367.10	368.45	366.35	364.36	367.32	5.13
MW-21B	371.61	--	--	--	--	--	--	363.24	364.73	365.57	367.01	365.31	366.11	364.71	367.22	4.39
MW-22A	338.79	--	--	--	--	--	--	332.91	332.61	332.84	333.58	332.99	332.89	333.01	333.39	5.40
MW-22B	339.58	--	--	--	--	--	--	334.38	334.75	335.16	334.54	335.28	335.58	335.78	335.61	3.97
MW-23A	354.89	--	--	--	--	--	--	329.35	329.68	329.81	331.27	330.49	331.19	330.89	331.19	23.70
MW-23B	354.47	--	--	--	--	--	--	330.66	328.73	329.61	331.22	330.87	330.02	329.97	329.87	24.60
MW-24A	355.02	--	--	--	--	--	--	323.78	323.67	323.99	328.02	326.02	325.82	325.57	326.52	28.50
MW-24B	354.17	--	--	--	--	--	--	323.41	323.18	323.54	326.17	325.07	325.37	325.10	325.77	28.40
OB01	415.90	400.82	402.59	399.40	401.84	399.96	399.10	399.95	400.66	402.00	402.99	401.60	402.80	402.80	402.70	13.20
OB02	418.72	401.91	404.14	400.31	403.28	400.73	399.79	400.42	401.67	404.27	405.72	402.72	403.92	402.67	404.44	14.28
OB02A	418.70	401.95	404.52	400.22	403.45	400.65	399.76	400.32	401.51	404.29	405.70	402.50	404.05	402.65	404.80	13.90
OB03	409.86	386.24	389.42	384.25	386.18	383.14	380.56	379.99	381.86	388.65	392.61	387.86	388.26	386.76	389.60	20.26
OB03A	410.07	386.23	388.46	384.24	386.17	383.08	380.61	380.06	381.94	388.81	392.82	387.77	387.97	386.39	389.62	20.45
OB04	364.21	359.37	359.95	358.57	359.42	358.41	358.65	358.27	358.71	358.83	361.01	359.31	359.51	359.83	360.50	3.71
OB04A	365.37	359.94	360.63	359.19	360.06	359.06	359.21	358.73	359.19	359.46	361.35	359.37	360.47	360.15	360.84	4.53
OB06	339.78	330.94	332.99	328.63	330.59	328.40	328.81	324.06	329.21	329.60	334.58	331.98	331.38	330.78	332.22	7.56
OB07	329.38	322.70	324.22	319.60	322.50	319.66	320.50	318.44	320.97	321.23	325.88	322.68	323.23	322.41	324.02	5.36

NOTES: F=Fall; S= Spring

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

Monitoring Well	Well Top of Casing Elevation	Water Elevation														Spring 2021 Depth to Water
		F2014	S2015	F2015	S2016	F2016	S2017	F2017	S2018	F2018	S2019	F2019	S2020	F2020	S2021	
OB07A	328.44	321.97	323.50	319.00	321.96	319.20	320.18	318.19	320.67	320.73	325.03	321.99	322.84	321.48	323.30	5.14
OB08	324.99	319.06	319.23	318.00	318.40	317.51	317.23	316.69	316.88	316.79	320.24	318.99	318.99	317.94	319.33	5.66
OB08A	325.28	318.73	318.91	317.65	318.04	317.19	316.89	316.46	316.65	316.55	319.88	318.98	319.08	317.36	319.98	5.30
OB10	325.77	318.68	319.18	318.27	318.85	318.29	318.50	318.38	318.45	319.06	319.28	318.22	319.07	318.76	319.27	6.50
OB11	362.56	352.51	352.86	350.96	351.45	353.29	352.34	352.11	352.74	352.89	354.15	353.16	354.46	353.80	354.31	8.25
OB11A	361.90	360.32	361.13	359.66	360.39	354.02	352.40	352.18	352.82	352.77	353.55	352.80	353.85	353.24	353.55	8.35
OB12	405.01	353.58	354.71	352.79	353.91	343.36	386.78	385.77	387.47	387.80	389.81	386.71	389.01	386.71	389.33	15.68
OB015	410.01	352.99	353.91	352.44	353.42	338.52	387.55	386.20	388.64	388.86	392.36	387.91	390.21	382.71	391.28	18.73
OB025	361.89	386.75	389.49	385.26	388.54	395.39	352.21	351.87	352.96	352.71	354.34	352.99	353.89	352.49	354.54	7.35
OB102	363.17	387.69	391.47	386.07	390.45	397.19	349.71	348.57	349.17	350.29	353.86	352.67	351.87	351.83	352.27	10.90
OB105	363.24	352.94	354.67	352.10	354.17	357.97	359.64	359.07	359.69	360.70	361.26	360.24	360.54	359.64	360.91	2.33

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

Table 2
Spring 2021 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
			03/23/2021	03/25/2021	03/25/2021	03/23/2021	03/23/2021	03/29/2021	03/23/2021	03/24/2021	03/22/2021	04/1/2021	03/30/2021	03/30/2021
			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	--	41.6	18.1	17.7	22.7	21.1	48	240	279	170	14	36	30
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	0.22	0.1 U	0.1 U	0.1 U	0.1 U
Chemical Oxygen Demand	mg/L	--	3 U	3 U	3 U	3 U	3 U	3 U	5.8	30	20.2	3.9	9.6	3 U
Chloride	mg/L	--	2.37	3.22	3.59	2.82	2.84	170	488	85.8	99	28.9	0.532	14.2
Dissolved Oxygen, Field	mg/L	--	8.17	3.12	2.73	9.05	9.6	0.07	0.03	2.97	0.77	5.82	4.81	5.38
Hardness	mg/L	--	27.8	16.3	16.2	22.8	16.3	194	462	289	643	43.7	33.9	43.8
Nitrate	mg/L	10	0.157	0.083	0.25	0.054	0.143	0.662	0.076	2.91	3.42	1.62	0.104	1.34
ORP, Field	mV	--	211.7	211.1	243.1	238.2	154.2	172.1	12.5	53.1	59.9	226.3	215	215.3
pH, Field	SU	--	6.04	5.26	5.28	5.66	6.67	5.71	5.87	6.3	6.92	5.22	5.79	5.49
pH, Lab	SU	--	6.23	5.49	5.46	6.06	6.53	5.92	6	6.46	7.03	3.64	6.04	5.78
Specific Conductivity, Field	mS/cm	--	104.1	56.1	52.7	46.7	56.1	580	2111	847	1454	157.1	82.6	93.9
Specific Conductivity, Lab	mS/cm	--	87	54.1	53.3	58.7	54.1	663	2000	884	1520	255	88.8	103
Sulfate, total	mg/L	--	0.7	1.6	1.8	1.3	0.9	5.5	32.9	46.4	33.7	0.3 U	11.8	6
Temperature, field	°C	--	18.1	18.1	16.7	19.2	14.3	14.8	18.5	18.2	12.7	19.5	14.5	15.9
Total Dissolved Solids	mg/L	--	71.5	42	40	50.5	46.5	366	1130	519	846	108	71.5	77.5
Total Suspended Solids	mg/L	--	2.1 U	66.8	10.2	92.9	9.1	151	135	64.2	27.6	240	177	904
Turbidity, Lab	NTU	--	0.578	1.71	0.5 U	50.4	4.88	16.6	16.9	8.37	4.87	62	84.5	102
Turbidity, Field	NTU	--	4.9	9.8	8.03	106.9	2.13	106.9	36.7	30.7	25.6	107.1	149.3	216
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	0.001 U	0.001 U	0.001 U
Barium, total	mg/L	2	0.00111	0.00917	0.0103	0.0114	0.00701	0.0474	0.348	0.0842	0.119	0.0561	0.0419	0.0622
Beryllium, total	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium, total	mg/L	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Calcium, total	mg/L	--	5.11	2.96	2.93	5.34	3.68	35.8	76	56.4	106	6.8	6.26	8.71
Chromium, total	mg/L	0.1	0.001 U	0.00339	0.00209	0.00468	0.00107	0.00524	0.00156	0.0052	0.00105	0.0148	0.0045	0.0171
Cobalt, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.00181	0.001 U	0.00139	0.586	0.00804	0.001 U	0.00218	0.00187	0.0042
Copper, total	mg/L	--	0.001 U	0.00239	0.00235	0.00622	0.00279	0.00252	0.00727	0.0264	0.0022 B	0.00482	0.0203	0.00807
Iron, total	mg/L	--	0.0441 J	0.243	0.0398 J	2.91	0.234	3.0	1.86	0.745	0.122	2.13	3.46	5.12
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.00148	0.001 U	0.00165	0.001 U	0.001 U	0.001 U	0.00171	0.00255	0.00237
Magnesium, total	mg/L	--	3.66	2.15	2.17	2.3	1.74	25.4	66.2	36	91.7	6.49	4.43	5.36
Manganese, total	mg/L	--	0.00148	0.0433	0.049	0.0765	0.0169	0.177	41.3	0.085	0.017	0.104	0.0556	0.125
Mercury, total	mg/L	0.002	0.0001 U	0.000207	0.000341	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	--	0.001 U	0.00336	0.00231	0.00377	0.0015	0.00178	0.0784	0.00665	0.00295	0.0166	0.00665	0.021
Potassium, total	mg/L	--	0.937	1.31	1.24	1.52	0.957	3.36	3.87	3.89	13.4	1.46	1.27	1.29
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00532	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	--	7.29	3.55	3.43	3.38	4.53	30.4	157	59.1	74.7	5.56	4.74	3.53
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	0.00383	0.001 U	0.0019	0.001 U	0.00239	0.001 U	0.00364	0.00933	0.00871
Zinc, total	mg/L	--	0.004 U	0.0152	0.023	0.014	0.0137	0.0114	0.0391	0.00948 B	0.004 U	0.0408 B, QB	0.0348	0.028
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 2021 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
			03/23/2021	03/25/2021	03/25/2021	03/23/2021	03/23/2021	03/29/2021	03/23/2021	03/24/2021	03/22/2021	04/1/2021	03/30/2021	03/30/2021
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.047 U	0.047 U	0.048 U	0.047 U	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.048 U	0.047 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 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	4.9	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	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	8.1	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	1.7	1.2	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	2.8	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	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.4	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 2021 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
			03/30/2021	04/1/2021	03/22/2021	3/22/2021	3/30/2021	3/30/2021	3/30/2021	3/22/2021	3/22/2021	3/23/2021	3/23/2021	3/31/2021
			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	--	74	19.1	21.3	194	19	42	27	208	144	59.6	102	479
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	0.14	0.1 U	0.12	0.1 U	10.8
Chemical Oxygen Demand	mg/L	--	3 U	3.6	3 U	3 U	3 U	3 U	3 U	15.3	18.9	3 U	3 U	20.6
Chloride	mg/L	--	18.7	104	94.1	108	201	21.9	29.5	52.6	205	290	213	58.3
Dissolved Oxygen, Field	mg/L	--	3.39	5.45	0.07	0.21	5.79	4.91	4.02	0.01	0.29	0.04	0.21	0.08
Hardness	mg/L	--	83.1	57.7	127	299	162	56.6	65.9	168	322	278	318	361
Nitrate	mg/L	10	3.43	2.32	2.98	4.98	2.6	4.88	4.74	14.8	2.65	1.63	1.39	0.05 U
ORP, Field	mV	--	165.7	242.7	257.4	203.6	256.1	225.1	229.3	-51.2	175.1	239	220.1	-33.2
pH, Field	SU	--	6.21	5.3	5.1	5.98	5.28	5.7	5.49	6.15	5.92	5.65	5.82	6.25
pH, Lab	SU	--	6.4	5.67	5.2	6.13	5.52	5.94	5.66	6.31	6.08	5.82	6	6.35
Specific Conductivity, Field	mS/cm	--	199.8	420.5	399	735	722	164.7	199.8	881	1069	1075	901	914
Specific Conductivity, Lab	mS/cm	--	231	457	400	800	751	183	208	734	987	1100	920	1200
Sulfate, total	mg/L	--	4.5	27.3	7.2	20	19.9	2.3	8.5	43.5	6.8	14.9	11.6	12.8
Temperature, field	°C	--	13.8	16.9	12.2	11.9	18.2	15.1	17.3	21.2	18.7	15.2	13.8	11.4
Total Dissolved Solids	mg/L	--	203	265	299	496	384	128	145	437	580	647	507	575
Total Suspended Solids	mg/L	--	389	201	62.7	2.3 U	708	11.2	234	416	2.3 J	488	5	16.7
Turbidity, Lab	NTU	--	18.6	14.2	27	0.5 U	24.8	2.54	36.8	92	1.26	43.3	3.9	90
Turbidity, Field	NTU	--	23.7	14.71	28.5	0.0	165	10	205.1	129.1	2.91	129	9.48	29.8
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	0.00281	0.001 U	0.001 U	0.001 U	0.00228
Barium, total	mg/L	2	0.0317	0.12	0.155	0.0665	0.208	0.0155	0.0574	0.271	0.0218	0.119	0.034	0.355
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	--	15.8	11.5	20	70.6	27.8	11.6	11.1	19.7	50.5	45.5	69	72.4
Chromium, total	mg/L	0.1	0.00901	0.00831	0.00139	0.001 U	0.00801	0.0022	0.00802	0.00533	0.001 U	0.00318	0.001 U	0.001 U
Cobalt, total	mg/L	--	0.00288	0.0013	0.0134	0.001 U	0.0032	0.001 U	0.00168	0.00657	0.00622	0.0133	0.001 U	0.0783
Copper, total	mg/L	--	0.0041	0.00412	0.0062 B	0.00235 B	0.0107	0.001 U	0.0119	0.0113 B	0.00243 B	0.00962	0.00147	0.001 U
Iron, total	mg/L	--	3.36	1.36	1.29	0.0139 J	2.15	0.204	2.98	8.24	0.169	3.01	0.147	23.1
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	0.00268	0.001 U	0.00143	0.001 U	0.001 U
Magnesium, total	mg/L	--	10.6	7.04	18.7	29.8	22.6	6.7	9.27	28.9	47.5	39.8	35.4	43.8
Manganese, total	mg/L	--	0.0811	0.0418	0.489	0.0335	0.0314	0.0102	0.0505	9.53	8.62	1.89	0.0289	9.19
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.000173	0.000259	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.000469	0.000173	0.0001 U
Nickel, total	mg/L	--	0.0059	0.00785	0.00923	0.00206	0.0168	0.00974	0.00461	0.0168	0.0146	0.0123	0.00361	0.0136
Potassium, total	mg/L	--	1.45	1.66	2.16	3.3	2.79	1.35	1.61	3.96	3.47	3.52	2.41	23.2
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	0.00109	0.001 U	0.00112	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	--	9.31	54.2	12.3	18.5	60	7.45	7.55	73.2	35.6	74.4	22.7	42.7
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	--	0.0106	0.00281	0.00287	0.001 U	0.00607	0.00139	0.00314	0.00234	0.001 U	0.00313	0.001 U	0.001 U
Zinc, total	mg/L	--	0.0137	0.0168 B	0.0287	0.00438	0.0424	0.004 U	0.0195	0.0363	0.0094	0.051	0.004 U	0.0113
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	6.3	6.6	1 U	1 U	1 U	1 U	1 U	2.6	4.5	1.4

Table 2
Spring 2021 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
			03/30/2021	04/1/2021	03/22/2021	3/22/2021	3/30/2021	3/30/2021	3/30/2021	3/22/2021	3/22/2021	3/23/2021	3/23/2021	3/31/2021
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.047 U	0.048 U	0.047 U	0.047 U	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.047 U	0.048 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	mg/L	5	1 U	1 U	2.5	3.4	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	2.2	6.1	1 U	1 U	1 U	1 U	4.5	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	1.3	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	2.7	11.3	1 U	1.4	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	4	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	4.9	1 U	35.2	41	1 U	1 U	1 U	1 U	1 U	6.6	15.6	3.9
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	1.3	2.1	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	7.5	1 U	6.0	9.2	1 U	1 U	1 U	1 U	1 U	1.8	2.2	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	1.1	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	3.5	1 U	7.8	9.0	1 U	1 U	1 U	1 U	1 U	2.4	4.6	2.3
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	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	2.2	4.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 2
Spring 2021 Results

Parameters	Units	MCL	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A	
			3/31/2021	3/23/2021	3/23/2021	3/24/2021	3/25/2021	3/25/2021	3/25/2021	3/25/2021	03/23/2021	03/24/2021	03/24/2021	03/22/2021	03/22/2021
			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	--	275	377	254	63.5	24.4	178	303	107	72.9	38.7	260	637	
Ammonia Nitrogen	mg/L	--	0.41	0.1 U	0.1 U	0.19	0.1 U	0.64	0.13	0.1 U	0.1 U	0.1 U	2.27	1.01	
Chemical Oxygen Demand	mg/L	--	14.1	9.9	3.3	38	3 U	29.6	31.4	6.1	3 U	4	12.8	15.7	
Chloride	mg/L	--	187	147	123	34.2	95	356	331	640	189	331	209	68.1	
Dissolved Oxygen, Field	mg/L	--	0.07	0.01	6	1.78	1.92	0.07	0.05	0.02	0.41	0.15	0.47	0.07	
Hardness	mg/L	--	279	380	304	62.1	123	449	569	558	249	381	339	582	
Nitrate	mg/L	10	0.05 U	0.126	0.076	0.491	3.46	0.05 U	0.05 U	1.8	0.05 U	1.14	0.05 U	1.13	
ORP, Field	mV	--	-20.2	-33.4	173.8	20.1	254.2	-22.3	-104.9	227.1	110.8	213.3	-9.1	28.9	
pH, Field	SU	--	6.09	6.51	7.28	6.76	5.22	5.84	6.36	5.68	6.11	5.44	6.17	6.81	
pH, Lab	SU	--	6.22	6.58	7.34	7.29	5.44	5.98	6.5	5.82	6.32	5.61	6.22	6.87	
Specific Conductivity, Field	mS/cm	--	959	1197	897	270.9	386.4	897	1368	1471	2423	674	1149	1554	
Specific Conductivity, Lab	mS/cm	--	1110	1220	935	222	410	1450	1570	2270	784	1210	1230	1450	
Sulfate, total	mg/L	--	16.9	37.5	33.7	6	4.2	0.3 U	0.3 U	34.8	14.9	26	35.9	93.8	
Temperature, field	°C	--	13.7	13.5	12.3	17.2	17.8	18.3	16.8	17	14.2	16	17	17	
Total Dissolved Solids	mg/L	--	282	729	556	159	247	664	843	1260	464	651	725	856	
Total Suspended Solids	mg/L	--	46.4	55.2	10.4	50.4	664	384	55.7	2.3 U	8.9	2.6	16.2	10.9	
Turbidity, Lab	NTU	--	86	52.7	10.5	78.8	34.5	10.6	144	0.5 U	4.18	0.5 U	31.1	29.2	
Turbidity, Field	NTU	--	25.34	5.12	16.11	0.97	77.5	7.66	0.65	0.33	0.3	1.18	11.2	60.5	
Inorganics															
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.001 U	0.00141	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	0.00195	0.00162	0.00429	0.001 U	0.00114	0.00492	0.0326	0.001 U	0.001 U	0.001 U	0.00157	0.0013	
Barium, total	mg/L	2	0.0994	0.0257	0.0295	0.0666	0.182	0.28	0.205	0.316	0.248	0.33	0.423	0.0884	
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	--	60.8	96.2	81.1	13.9	15.7	66.4	93.9	107	49.9	73.1	68.2	114	
Chromium, total	mg/L	0.1	0.0037	0.00619	0.00178	0.0155	0.0259	0.00281	0.00216	0.001 U	0.00153	0.001 U	0.001 U	0.001 U	
Cobalt, total	mg/L	--	0.0611	0.00159	0.001 U	0.0027	0.00822	0.0655	0.055	0.00843	0.0101	0.001 U	0.0411	0.00579	
Copper, total	mg/L	--	0.00292	0.00388	0.00341	0.0163	0.0047	0.00242	0.00124	0.00502	0.00313	0.00179	0.00125 B	0.00103 B	
Iron, total	mg/L	--	39.8	9.33	1.46	5.01	9.96	22.3	48.1	0.0296 J	0.705	0.016 J	13.7	3.0	
Lead, total	mg/L	0.015	0.001 U	0.00292	0.001 U	0.00483	0.00512	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	--	31	33.8	24.7	6.68	20.3	68.9	81.4	71.6	30.3	48.3	41	72	
Manganese, total	mg/L	--	5.12	1.24	0.234	0.12	0.129	9.82	4.33	4.33	1.46	0.0409	17.3	0.84	
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.000543	0.0001 U	0.0001 U	0.000121	0.0001 U	0.0001 U	0.0001 U	0.0001 U	
Nickel, total	mg/L	--	0.0275	0.00564	0.00381	0.0206	0.0245	0.0359	0.0156	0.0239	0.00748	0.00806	0.0115	0.00306	
Potassium, total	mg/L	--	3.92	4.9	6.42	8.87	3.74	5.12	3.98	4.97	5.94	4.17	22	18.5	
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	0.0013	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	--	62.3	75.9	45	13.2	23.7	48.1	34.4	164	23.1	41.4	59	53.8	
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Vanadium, total	mg/L	--	0.001 U	0.00177	0.001 U	0.00533	0.0123	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	--	0.0111	0.00583	0.00635	0.144 QB-01	0.0806	0.0112	0.00445	0.0152	0.00861 B	0.00822 B	0.0176	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	--	10.3	1 U	1 U	1 U	1 U	1 U	1.3	2.6	1 U	1 U	1 U	8.8	

Table 2
Spring 2021 Results

Parameters	Units	MCL	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A
			3/31/2021	3/23/2021	3/23/2021	3/24/2021	3/25/2021	3/25/2021	3/25/2021	03/23/2021	03/24/2021	03/24/2021	03/22/2021	03/22/2021
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U	0.048 U	0.047 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1.1	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-Dichloropropene	mg/L	5	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	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	15.3	14.8	1 U	1 U	1 U	6.3	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	5.4	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	4.3	5.9	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	10.9	4.5	1.7	1 U	1 U	1.6	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	2.2	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	25.4	4.8	1 U	1 U	4	3	2.4	1 U	1 U	1 U	28.7	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	3.6	1 U	1 U	1 U	2.1	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	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1.9	2.7	1 U	1 U	1 U	1.7	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	16.6	3.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	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 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	3.5	1 U	1 U	1 U	1 U	12.7	1.7	1 U	1 U	1 U	4.2	1 U

**Table 2
Spring 2021 Results**

Parameters	Units	MCL	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015
			03/22/2021	03/22/2021	03/29/2021	03/29/2021	03/29/2021	03/25/2021	03/25/2021	03/29/2021	03/31/2021	03/31/2021	03/29/2021	03/29/2021
			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	--	268	163	317	226	83	232	201	172	287	378	138	60
Ammonia Nitrogen	mg/L	--	0.72	0.56	0.1 U	0.1 U	0.1 U	0.35	0.1 U	0.1 U	0.1 U	0.58	0.1 U	0.1 U
Chemical Oxygen Demand	mg/L	--	35.7	39.6	42.7	11.1	6.2	6.5	3 U	12.1	31.4	31.5	8.3	3 U
Chloride	mg/L	--	524	594	359	238	150	77	46.8	268	468	434	83.8	5.92
Dissolved Oxygen, Field	mg/L	--	0.13	0.09	0.46	0.07	1.9	0.11	0.32	0.09	0.07	0.07	0.05	0.18
Hardness	mg/L	--	748	695	544	475	229	234	190	401	660	632	194	109
Nitrate	mg/L	10	0.05 U	0.05 U	0.203	0.741	0.558	0.14	0.248	0.05 U	0.05 U	0.05 U	0.539	0.245
ORP, Field	mV	--	-92.5	169.1	201.2	176.4	229.1	35.9	82.1	22.3	161.3	87.1	71.3	136.3
pH, Field	SU	--	6.21	5.65	6.01	6.52	5.88	6.08	7.19	5.96	5.65	5.84	5.58	5.53
pH, Lab	SU	--	6.13	5.82	6.24	6.67	6.11	6.26	6.94	6.19	5.79	5.96	5.85	5.76
Specific Conductivity, Field	mS/cm	--	2199	2198	1581	997	564	598	463.3	1013	1784	1814	513	294.5
Specific Conductivity, Lab	mS/cm	--	2150	2190	1860	1260	675	694	547	1180	1980	1990	590	303
Sulfate, total	mg/L	--	15.7	11.4	106	45.7	8.2	3.4	9.5	0.3 U	12.2	9.7	26.2	84.7
Temperature, field	°C	--	15.5	19.2	13.9	12.1	12.7	14.6	13.8	14.1	16.5	16.6	15.5	18.1
Total Dissolved Solids	mg/L	--	1460	1520	1020	678	356	309	377	615	1070	895	328	120
Total Suspended Solids	mg/L	--	5.7	9.9	33.9	26.7	2.2 J	6.8	3.3	11.3	13.7	33	2.3 U	3.3
Turbidity, Lab	NTU	--	3.16	0.5 U	6.75	7.57	0.607	3.15	0.5 U	0.972	3.63	18.5	0.5 U	7.32
Turbidity, Field	NTU	--	1.99	0.05	31.7	3.1	0.76	2.14	4.65	2.24	4.95	6.71	0.18	11.3
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	0.00228	0.001 U	0.00102	0.001 U	0.00274	0.001 U	0.001 U
Barium, total	mg/L	2	0.294	0.0653	0.164	0.0448	0.0462	0.0574	0.055	0.077	0.0262	0.186	0.017	0.068
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	0.0127	0.00174	0.001 U	0.001 U
Calcium, total	mg/L	--	148	117	120	118	50.6	51.1	52.7	81.4	124	107	35.1	9.86
Chromium, total	mg/L	0.1	0.00106	0.00133	0.00205	0.00137	0.001 U	0.001 U	0.00154	0.00127	0.00117	0.00255	0.001 U	0.001 U
Cobalt, total	mg/L	--	0.001 U	0.00112	0.00441	0.001 U	0.00289	0.00179	0.001 U	0.0117	0.00225	0.0395	0.001 U	0.00166
Copper, total	mg/L	--	0.0281 QB-01	0.0294 QB-01	0.00734	0.0054	0.00406	0.00222	0.00211	0.00218	0.00631	0.00896	0.001 U	0.001 U
Iron, total	mg/L	--	0.121	0.109	1.27	0.444	0.0234 J	4.19	0.0672 J	1.28	0.318	8.11	0.025 J	1.14
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	0.00133	0.001 U	0.00634	0.001 U	0.001 U
Magnesium, total	mg/L	--	92.1	97.7	59.1	43.7	24.9	25.9	14.3	48	85	88.9	26	20.4
Manganese, total	mg/L	--	3.58	2.48	0.588	0.134	0.245	8.28	1.71	7.42	1.62	14.6	0.116	0.897
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.000326	0.000426	0.000136	0.0001 U	0.0001 U	0.000118	0.00422	0.00133	0.0001 U	0.0001 U
Nickel, total	mg/L	--	0.0107	0.0237	0.00912	0.00104	0.00628	0.00325	0.00464	0.0116	0.0321	0.0358	0.00567	0.0152
Potassium, total	mg/L	--	6.72	5.37	4.43	5.74	3.08	2.89	3.61	3.95	4.87	5.61	4.61	1.7
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00144	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	0.00118	0.001 U	0.001 U	0.001 U
Sodium, total	mg/L	--	68.6	90.4	132	26.4	18.6	34.9	25	26.7	99.4	123	27.8	12.8
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.00157	0.00153	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	--	0.00665	0.0272	0.0258	0.0105	0.00987	0.0112	0.006	0.00779	0.0431	0.0244	0.0054	0.0339
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	11.9	12.1	17.1	1 U

Table 2
Spring 2021 Results

Parameters	Units	MCL	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015
			03/22/2021	03/22/2021	03/29/2021	03/29/2021	03/29/2021	03/25/2021	03/25/2021	03/29/2021	03/31/2021	03/31/2021	03/29/2021	03/29/2021
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.048 U	0.047 U	0.047 U	0.048 U	0.047 U	0.047 U	0.047 U	0.046 U	0.047 U	0.048 U	0.047 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	2.4	1 J	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	2.1	1.3	1 U
1,2-Dichloropropene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	4.6	4.2	9.0	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	6.3	9	1 U	1 U	1 U	6.9	1 U	10.7	18.8	17.8	11	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	5.6	6.8	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	1.6	1.8	1 U	1 U	1 U	1.3	1 U	2.2	2.5	1.7	3.7	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	1.6	1.7	1.5	1 U	1 U	12.2	1 U	5.4	27.4	25	3.8	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	12.1	17.6	1 U	1.6	1.3	8.2	1 U	25.6	77.1	54.5	37.3	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	2	1.9	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	1 U	2.9	1 U	1 U	1 U	1 U	1 U	1 U	4.3	1 U	3	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	1.2	1.3	1 U	1 U	1.1	1 U	1 U	1 U	7.1	1.6	14.6	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	1.9	2.7	2.8	3.2	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	1.5	1.2	1 U	1 U	1 U	1 U	1 U	2.2	7.8	7.1	13.9	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	1.4	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	1.4	2.5	1 U	1 U	1 U	1.4	1 U	27.8	17.1	19.7	9.5	1 U

**Table 2
Spring 2021 Results**

Parameters	Units	MCL	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
			03/31/2021	03/29/2021	03/22/2021	03/29/2021	03/29/2021	03/29/2021	03/30/2021	03/22/2021
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
General Parameters										
Alkalinity	mg/L	--	330	1050	1500	64	76	120	120	64.7
Ammonia Nitrogen	mg/L	--	0.37	19.2	55.3	0.1 U	0.12	0.13	0.14	0.1 U
Chemical Oxygen Demand	mg/L	--	17	133	150	10.6	15.1	20	8.8	8.9
Chloride	mg/L	--	150	474	265	114	278	241	172	314
Dissolved Oxygen, Field	mg/L	--	0.07	0.02	0.13	11.95	11.58	11.67	11.4	12.09
Hardness	mg/L	--	315	530	823	97.5	147	126	150	160
Nitrate	mg/L	10	3.85	0.05 U	0.05 U	0.939	0.828	0.845	1.24	1.54
ORP, Field	mV	--	82.3	159.8	-133.1	129.7	50	91.4	153.9	120.6
pH, Field	SU	--	6.3	6.64	7.02	7.93	2.49	7.49	8.1	6.57
pH, Lab	SU	--	6.38	6.79	6.99	7.59	7.92	7.79	8.62	7.25
Specific Conductivity, Field	mS/cm	--	985	2935	3455	454.9	859	887	782	1005
Specific Conductivity, Lab	mS/cm	--	1150	3370	3100	527	1070	1000	808	1190
Sulfate, total	mg/L	--	32.3	65.3	65.8	12.7	14.1	16.9	19.1	15.4
Temperature, field	°C	--	13.9	15.1	13.8	13.4	11.1	15	18.9	8.4
Total Dissolved Solids	mg/L	--	1300	1860	1860	280	550	518	441	626
Total Suspended Solids	mg/L	--	83.3	32.6	131	4.4	6.8	4.7	2.4	4.1
Turbidity, Lab	NTU	--	57.5	3.73	298	5.32	3.64	5.24	2.34	2.56
Turbidity, Field	NTU	--	158	14.92	68.9	10.02	4.92	6.9	14.19	2.51
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	0.001 U	0.00105	0.00385	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Barium, total	mg/L	2	0.1	0.297	0.582	0.0442	0.0502	0.0513	0.052	0.0585
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	--	51.5	78.8	103	20.8	28.7	29.2	34	31
Chromium, total	mg/L	0.1	0.00296	0.00221	0.004	0.00101	0.001 U	0.00834	0.00776	0.001 U
Cobalt, total	mg/L	--	0.0268	0.0601	0.00856	0.001 J	0.001 U	0.001 J	0.001 U	0.001 U
Copper, total	mg/L	--	0.00224	0.0395	0.00697 B	0.00294	0.00169	0.00664	0.00218	0.00102 B
Iron, total	mg/L	--	5.07	0.458	26.7	0.429	0.449	0.583	0.353	0.329
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.00121	0.001 U	0.001 U	0.00121	0.001 U	0.001 U
Magnesium, total	mg/L	--	45.2	80.8	137	11	18.2	13	15.7	20
Manganese, total	mg/L	--	19.6	12.3	1.81	0.129	0.0895	0.183	0.116	0.119
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.000113	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Nickel, total	mg/L	--	0.0203	0.0724	0.0119	0.00291	0.00649	0.0028	0.001 U	0.00802
Potassium, total	mg/L	--	13.4	45	93.5	1.51	3.04	4.7	5.95	2.37
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.00127	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	--	71.7	453	307	51.6	125	124	79.1	148
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.00497	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Zinc, total	mg/L	--	0.0106	0.0145	0.138	0.0171	0.00704	0.0172	0.00617	0.00574
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 2021 Results

Parameters	Units	MCL	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
			03/31/2021	03/29/2021	03/22/2021	03/29/2021	03/29/2021	03/29/2021	03/30/2021	03/22/2021
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.047 U	0.047 U	0.047 U	0.047 U	0.048 U	0.048 U	0.046 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.018 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	1 U	1 U	1 U	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	6.3	5 U	5 U	5 U	6.6	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	2.5	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	2.4	1 U	1 U	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	1.9	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 (mg/L)	0.0065	0.0066	1.5%	0.0028	0.0026	7.4%	0.0118	0.0119	0.8%
1,2-Dichlorobenzene (mg/L)	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.0027	0.0028	3.6%
1,2-Dichloroethane (mg/L)	0.0012	0.0011	8.7%	0.001 U	0.001 U	NA	0.0023	0.0023	0.0%
1,2-Dichloropropane (mg/L)	0.0038	0.0034	11.1%	0.001 U	0.001 U	NA	0.0044	0.0046	4.4%
1,4-Dichlorobenzene (mg/L)	0.006	0.0061	1.7%	0.0159	0.0148	7.2%	0.0182	0.0188	3.2%
Acetone (mg/L)	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	0.0099	0.0056	55.5%
Benzene (mg/L)	0.0014	0.0013	7.4%	0.0060	0.0059	1.7%	0.0025	0.0025	0.0%
Chlorobenzene (mg/L)	0.0012	0.0012	0.0%	0.0049	0.0045	8.5%	0.0265	0.0274	3.3%
Chloroethane (mg/L)	0.001 U	0.001 U	NA	0.001 U	0.0022	NA	0.001 U	0.001 U	NA
cis-1,2-Dichloroethene (mg/L)	0.0429	0.0410	4.5%	0.0024	0.0024	0.0%	0.0756	0.0771	2.0%
Methyl tert-butyl ether (MTBE) (mg/L)	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.002	0.002	0.0%
Methylene chloride (mg/L)	0.0019	0.0021	10.0%	0.001 U	0.001 U	NA	0.0045	0.0043	4.5%
o-Xylene (mg/L)	0.001 U	0.001 U	NA	0.001	0.001	0.0%	0.001 U	0.001 U	NA
Tetrachloroethene (mg/L)	0.0096	0.0092	4.3%	0.001 U	0.001 U	NA	0.0069	0.0071	2.9%
trans-1,2-Dichloroethene (mg/L)	0.0015	0.0016	6.5%	0.0027	0.0027	0.0%	0.0027	0.0027	0.0%
Trichloroethene (mg/L)	0.0097	0.0090	7.5%	0.001 U	0.001 U	NA	0.0076	0.0078	2.6%
Vinyl chloride (mg/L)	0.0047	0.0045	4.3%	0.0022	0.0017	25.6%	0.0166	0.0171	3.0%

(1) Duplicate sample

(2) RPDs>20% are shaded

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 (mg/L)	194	194	0.0%	315	303	3.9%	287	287	0.0%
Ammonia Nitrogen (mg/L)	0.1 U	0.1 U	NA	0.13	0.13	0.0%	0.1 U	0.1 U	NA
Chemical Oxygen Demand (mg/L)	3.8	3 U	NA	33.9	31.4	7.7%	29.4	31.4	6.6%
Chloride (mg/L)	104.0	108.0	3.8%	333.0	331.0	0.6%	467	468	0.2%
Hardness as CaCO ₃ (mg/L)	301.0	299.0	0.7%	559.0	569.0	1.8%	627.0	660.0	5.1%
Nitrate (mg/L)	4.94	4.98	0.8%	0.05 U	0.05 U	NA	0.05 U	0.05 U	NA
pH, Lab (SU)	6.13	6.13	0.0%	6.47	6.5	0.5%	5.79	5.79	0.0%
Specific Conductivity, Lab (uS/cm)	784.0	800.0	2.0%	1570	1570	0.0%	1970	1980	0.5%
Sulfate, total (mg/L)	18.4	20.0	8.3%	0.3 U	0.3 U	NA	12.2	12.2	0.0%
Total Dissolved Solids (mg/L)	488.0	496.0	1.6%	842	843	0.1%	1080	1070	0.9%
Arsenic, total (mg/L)	0.001 U	0.001 U	NA	0.0315	0.0326	3.4%	0.001 U	0.001 U	NA
Barium, total (mg/L)	0.0686	0.0665	3.1%	0.197	0.205	4.0%	0.0249	0.0262	5.1%
Cadmium, total (mg/L)	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.0123	0.0127	3.2%
Calcium, total (mg/L)	69.5	70.6	1.6%	91.8	93.9	2.3%	122	124	1.6%
Chromium, total (mg/L)	0.001 U	0.001 U	NA	0.00126	0.00216	52.6%	0.00137	0.00117	15.7%
Cobalt, total (mg/L)	0.001 U	0.001 U	NA	0.0540	0.055	1.8%	0.00216	0.00225	4.1%
Copper, total (mg/L)	0.00331	0.00235	33.9%	0.001 U	0.00124	NA	0.00615	0.00631	2.6%
Iron, total (mg/L)	0.0365	0.0139	89.7%	47.1	48.1	2.1%	0.364	0.318	13.5%
Magnesium, total (mg/L)	31.0	29.8	3.9%	80	81.4	1.7%	79	85	7.3%
Manganese, total (mg/L)	0.0309	0.0335	8.1%	4.39	4.33	1.4%	1.57	1.62	3.1%
Mercury, total (mg/L)	0.000206	0.000259	22.8%	0.0001 U	0.0001 U	NA	0.00451	0.00422	6.6%
Nickel, total (mg/L)	0.00208	0.00206	1.0%	0.0146	0.0156	6.6%	0.0316	0.0321	1.6%
Potassium, total (mg/L)	3.26	3.3	1.2%	3.89	3.98	2.3%	4.76	4.87	2.3%
Silver, total (mg/L)	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.00134	0.00118	12.7%
Sodium, total (mg/L)	18.5	18.5	0.0%	33.9	34.4	1.5%	96.8	99.4	2.7%
Zinc, total (mg/L)	0.00706	0.00438	46.9%	0.004 U	0.00445	NA	0.0411	0.0431	4.8%

(1) Duplicate sample

(2) RPDs>20% are shaded

Table 5
MCL Exceedances - Volatile Organic Compounds

Monitoring Well	Parameter	Units	MCL	Result
Northwest				
MW-11B	Tetrachloroethene	µg/L	5	7.5
MW-13A	Tetrachloroethene	µg/L	5	6.0
	Trichloroethene	µg/L	5	7.8
	Vinyl Chloride	µg/L	2	2.2
MW-13B	Tetrachloroethene	µg/L	5	9.2
	Trichloroethene	µg/L	5	9.0
	Vinyl Chloride	µg/L	2	4.5
OB03	Vinyl Chloride	µg/L	2	4.2
OB04A	Vinyl Chloride	µg/L	2	2.5
Southwest				
MW-21B	Trichloroethene	µg/L	5	16.6
	Vinyl Chloride	µg/L	2	3.5
OB12	1,2-Dichloropropane	µg/L	5	9.0
	Tetrachloroethene	µg/L	5	14.6
	Trichloroethene	µg/L	5	13.9
	Vinyl Chloride	µg/L	2	9.5
South				
OB11	cis-1,2-Dichloroethene	µg/L	70	77.1
	Tetrachloroethene	µg/L	5	7.1
	Trichloroethene	µg/L	5	7.8
	Vinyl Chloride	µg/L	2	17.1
OB11A	Trichloroethene	µg/L	5	7.1
	Vinyl Chloride	µg/L	2	19.7
Southeast				
MW-24A	Vinyl Chloride	µg/L	2	12.7
MW-24B	Benzene	µg/L	5	5.9
OB10	Vinyl Chloride	µg/L	2	27.8

Table 6
MCL Exceedances - Inorganics

Monitoring Well	Parameter	Units	MCL	Result
Northwest				
MW-16A	Nitrate	mg/L	10	14.8
South				
OB11	Cadmium, total	mg/L	0.005	0.0127
	Mercury, total	mg/L	0.002	0.00422
Southeast				
MW-24B	Arsenic, total	mg/L	0.01	0.0326

Table 7
Historical Methane Concentrations (% by volume)

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

* Unable to sample - well within construction site

Table 7
Historical Methane Concentrations (% by volume)

Well	3/18/2016	9/2/2016	3/6/2017	9/19/2017	4/5/2018	9/7/2018	4/8/2019	7/29/2019	3/2/2020	7/27/2020	3/23/2021
MW-1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-2A	0.0	0.0	0.0	0.0	0.0	0.1	13.3	0.0	0.0	0.0	0.0
MW-2B	0.0	0.0	0.0	0.0	0.0	0.1	1.6	0.0	0.0	0.0	0.0
MW-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-3B	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-06	0.1	0.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-07	0.0	0.0	0.0	0.0	0.0	57.8	0.02	0.0	0.0	0.0	0.0
MW-08	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0
MW-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-13A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-13B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0
MW-16A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-16B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-21A	--	--	--	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-21B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-22A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-22B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-23A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-23B	--	--	--	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MW-24A	--	--	--	13.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0
MW-24B	--	--	--	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB01	7.2	2.7	0.2	8.1	9.3	20.2	0.0	0.0	0.0	0.0	0.0
OB02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB02A	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0
OB03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB03A	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
OB04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB04A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB0105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
OB0102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB07	0.0	0.0	0.0	0.0	0.0	0.1	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
OB011	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
OB011A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* Unable to sample - well within construction site

Appendix A

Field Forms

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WELL PURGING AND SAMPLING RECORD

WELL ID MW-1B 2A SAMPLE ID. MW-1B
 WELL/SITE DESCRIPTION Gude Landfill
 SAMPLING PERSONNEL A. Stamst

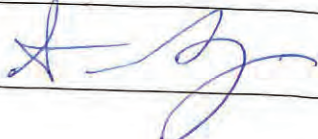
DATE 3/25/21 TIME 1320 WEATHER 59°F Overcast

WELL DEPTH 58.08 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 78.49 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 78.98 ft bgs PUMP DEPTH 68 ft
 PUMP START TIME 1330 min PUMP END TIME 13:55 min
 PUMP RATE 0.2 LPM SAMPLING TIME 1355
 SAMPLING METHOD Low-flow

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								--
3/25/21	1330		5.30	50.9	14.4	203.7	30.94	4.62	58.12	0.2
	1335		5.26	54.8	17.5	213.1	15.72	3.20	58.12	0.2
	1340		5.26	55.3	18.0	205.9	10.7	3.13	58.15	
	1345		5.26	54.2	18.0	212.7	9.78	3.12	58.16	
	1350		5.26	55.4	18.0	210.3	9.79	3.14	58.16	
	1355		5.26	56.1	18.1	211.1	9.80	3.12	58.18	

METHANE READING (GEM) 0.00%
 COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scarski

DATE 3/25/21 TIME 1233 WEATHER 59°F overcast

WELL DEPTH 110.5 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 56.48 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 88-108 ft bgs PUMP DEPTH 98 ft
 PUMP START TIME 1240 min PUMP END TIME 13:05 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1305

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/25/21	1240		5.68	54.9	14.2	145.3	5.66	4.44	56.6	0.2
	1245		5.72	53.2 57.1	15.1	204.5	0.53	2.96	56.6	0.2
	1250		5.78	53.1	16.1	231.3	3.50	2.78	56.8	
	1255		5.28	52.8	16.6	242.4	8.01	2.73	56.81	
	1300		5.28	53.0	16.7	240.5	7.99	2.72	56.81	
	1305		5.28	52.7	16.7	243.1	8.03	2.73	56.81	

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

DATE 3/23/21 TIME 1030 WEATHER 54° Sunny

WELL DEPTH 26.39 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 8.56 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 10:33 min PUMP END TIME 11:13 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 11:13

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

Date	Time	Volume Removed Unit: Gal	pH	Cond. µS/cm ^c	Temp. °C	ORP mV	Turb. NTU	DO mg/L	Depth to Water from TOC	Pump Rate LPM
3/23/21	10:33		6.18	97.7	13.1	179.1	1540	9.06	8.56	0.2
	10:38		5.78	44.8	13.7	207.1	984	8.83	9.40	0.2
	10:43		5.73	45.4	14.4	222.7	1044	8.77	9.45	0.2
	10:48		5.71	45.7	14.4	229.6	1996	8.75	9.47	0.2
	10:53		5.69	46.8	15.5	238.3	2019	8.74	9.47	0.2
	10:58		5.64	46.6	15.4	241.4	1811	8.74	9.48	0.2
	11:03		5.68	47.2	14.0	238.4	1821	9.06	9.48	0.2
	11:08		5.66	46.8	14.1	241.0	1099	9.05	9.48	0.2
✓	11:13		5.66	46.7	14.2	238.2	1069	9.05	9.48	0.2

METHANE READING (GEM) 0.00

COMMENTS _____

SIGNATURE [Signature]



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. Szamla

DATE 3/23/21 TIME 1000 WEATHER 52°F Sunny

WELL DEPTH <u>99.05</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>8.97</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>76-96</u> ft bgs	PUMP DEPTH <u>86</u> ft
PUMP START TIME <u>1005</u> min	PUMP END TIME <u>1030</u> min
PUMP RATE <u>0.2</u> LPM	SAMPLING TIME <u>1030</u>
SAMPLING METHOD <u>Low-flow</u>	

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^o	°C	mV	NTU	mg/L	from TOC	LPM
<u>3/23/21</u>	<u>1005</u>		<u>7.90</u>	<u>57.3</u>	<u>12.9</u>	<u>85.9</u>	<u>8.18</u>	<u>9.75</u>	<u>12.00</u>	<u>0.2</u>
	<u>1010</u>		<u>7.12</u>	<u>54.4</u>	<u>13.4</u>	<u>74.3</u>	<u>2.72</u>	<u>9.58</u>	<u>13.00</u>	<u>0.2</u>
	<u>1015</u>		<u>6.66</u>	<u>55.6</u>	<u>14.3</u>	<u>145.4</u>	<u>2.11</u>	<u>9.59</u>	<u>13.50</u>	<u>0.2</u>
	<u>1025</u>		<u>6.66</u>	<u>55.9</u>	<u>14.3</u>	<u>147.6</u>	<u>2.17</u>	<u>9.59</u>	<u>15.0</u>	↓
	<u>1030</u>		<u>6.67</u>	<u>56.1</u>	<u>14.3</u>	<u>145.2</u>	<u>2.13</u>	<u>9.60</u>	<u>16.0</u>	↓

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. Stromsle

DATE 3/29/21 TIME 1457 WEATHER 85°F Sunny

WELL DEPTH <u>26.89</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>6.62</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>5-25</u> ft bgs	PUMP DEPTH <u>15</u> ft
PUMP START TIME <u>1500</u> min	PUMP END TIME <u>1535</u> min
PUMP RATE <u>0.2</u> LPM	SAMPLING TIME <u>1535</u>
SAMPLING METHOD <u>Low-flow</u>	

6.85

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 from TOC	Pump Rate LPM
		Unit: Gal	--	µS/cm [°]	°C	mV	NTU	mg/L		
3/29/21	1500		6.15	559	13.5	94.9	2669	3.51	6.85	0.2
	1505		5.73	560	13.9	138.6	1698	0.60	6.93	0.2
	1510		5.71	569	14.3	154.5	916	0.25	6.97	0.2
	1515		5.71	570	14.5	163.7	453	0.15	6.97	0.2
	1520		5.71	569	14.2	171.1	207	0.13	6.99	0.2
	1525		5.71	578	15.0	171.7	116	0.10	7.01	0.2
	1530		5.71	578	14.9	172.5	109.5	0.07	7.01	0.2
	1535		5.71	580	14.8	172.1	108.9	0.07	7.02	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE *A. Stromsle*



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-6 SAMPLE ID. MW-6

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3 / 23 / 21 TIME 1356 WEATHER Partly cloudy 66°F

WELL DEPTH 14.00 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 27.31 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 15 ft
 PUMP START TIME 14:00 min PUMP END TIME 14:35 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 14:35

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/23/21	14:00		5.88	2158	16.6	189.5	766	3.27	14.00	0.2
	14:05		5.79	2159	16.7	148.1	1177	0.39	14.88	0.2
	14:10		5.80	2211	17.9	154.0	795	0.13	14.75	0.2
	14:15		5.57	2063	17.8	157.8	154	0.40	14.92	0.2
	14:20		5.90	2021	17.9	137.4	6228	0.26	14.92	0.2
	14:25		5.88	2094	18.3	129.9	41.2	0.09	14.95	0.2
	14:30		5.86	2123	18.5	127.5	38.2	0.06	14.90	0.2
	14:35		5.87	2111	18.5	125.5	36.7	0.03	14.92	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE [Signature]



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-7 SAMPLE ID. MW-7

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scambrini

DATE 3/24/21 TIME 0810 WEATHER 54°F Rain

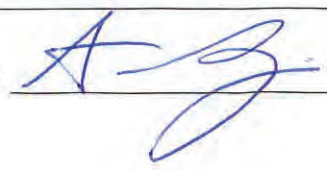
WELL DEPTH <u> </u> 56.82 <u> </u> ft bgs	CASING HEIGHT <u> </u> 2 <u> </u> ft
WATER DEPTH <u> </u> 41.45 <u> </u> ft	WELL DIAMETER <u> </u> 2 <u> </u> in
SCREEN INTERVAL <u> </u> 33-53 <u> </u> ft bgs	PUMP DEPTH <u> </u> 48 <u> </u> ft
PUMP START TIME <u> </u> 0827 <u> </u> min	PUMP END TIME <u> </u> 08:47 <u> </u> min
PUMP RATE <u> </u> 0.2 <u> </u> LPM	SAMPLING TIME <u> </u> 0847 <u> </u>
SAMPLING METHOD <u> </u> Low-flow <u> </u>	

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^o	°C	mV	NTU	mg/L	from TOC	LPM
3/24/21	08:27		6.26	835	15.2	-8.1	79.06	3.20	41.45	0.2
	08:32		6.28	809	15.4	17.8	35.91	2.87	42.15	0.2
	08:37		6.30	839	17.9	43.1	47.51	2.87	42.17	0.2
	08:42		6.30	843	18.1	49.2	33.9	2.96	42.17	0.2
	08:47		6.30	847	18.2	53.1	30.7	2.97	42.18	0.2

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. Szanski

DATE 3 / 22 / 21 TIME 1310 WEATHER 68°F Sunny

WELL DEPTH ~~19.05~~ 32 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH ~~31.2~~ 19.05 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 10-30 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 15:15 min PUMP END TIME 15:35 min
 PUMP RATE 0.2 LPM SAMPLING TIME 15:35
 SAMPLING METHOD Low-flow

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
15:15 ↓	3/22/21		7.11	1442	11.8	146	217	4.06	22.1	0.2
			7.05	1437	11.8	42.5	676	3.45	22.6	0.2
			6.94	1448	12.4	535	29.6	0.85	19.38	0.2
			6.94	1451	12.6	57.7	26.7	0.79	19.38	0.2
			6.92	1454	12.7	59.9	25.6	0.77	19.38	0.2

METHANE READING (GEM) 0.00%

COMMENTS

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID MW-9 SAMPLE ID. MW-9
WELL/SITE DESCRIPTION Gude Landfill
SAMPLING PERSONNEL A Szamko

DATE 4/1/21 TIME 0945 WEATHER 43°F Sunny

WELL DEPTH ~~29.6~~ 24.6 ft bgs CASING HEIGHT 2 ft
WATER DEPTH ~~32.9~~ 16.42 ft WELL DIAMETER 2 in
SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 15 ft
PUMP START TIME 0948 min PUMP END TIME 1028 min
PUMP RATE 0.2 LPM SAMPLING TIME 1028
SAMPLING METHOD Low-flow

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 from TOC	Pump Rate
		Unit: Gal	--	μS/cm [°]	°C	mV	NTU	mg/L		LPM
4/1/21	0948		6.31	139.1	15.5	108.1	49.5	6.98	16.43	0.2
	0953		5.33	129.6	14.9	218.6	28.6	6.04	16.95	0.2
	0959		5.28	134.3	16.1	199.8	25.0	5.78	16.45	0.2
	1003		5.27	178.3	14.6	145.2	21.7	5.69	16.58	0.2
	1008		5.26	153.5	20.7	170.1 (190.1)	17.5	5.70	16.75	0.2
	1013		5.25	144.2	14.3	220.6	45.9	5.68	16.79	0.2
	1018		5.23	151.7	14.4	231.5	40.8	5.78	16.81	0.2
	1023		5.21	155.1	14.5	218.5	109.8	5.81	16.82	0.2
	1028		5.21	157.1	14.5	226.3	107.1	5.82	16.84	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE

WELL PURGING AND SAMPLING RECORD

WELL ID MW-10 SAMPLE ID. MW-10

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL Abzanski

DATE 3/30/21 TIME 1157 WEATHER 63°R Sunny

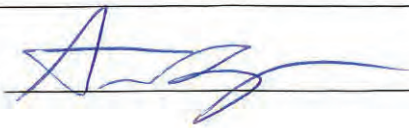
WELL DEPTH 24.15 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 4.52 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 1204 min PUMP END TIME 12:44 min
 PUMP RATE 0.2 LPM SAMPLING TIME 1244
 SAMPLING METHOD Low-flow

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/30/21	1204		5.85	79.4	13.1	190.5	2200.0	6.80	5.0	0.2
	1209		5.79	80.9	14.0	202.6	755.4	5.29	5.55	0.2
	1214		5.78	80.2	13.8	207.6	887.73	5.01	5.60	0.2
	1219		5.79	81.8	14.4	213.0	355.6	4.94	6.10	0.2
	1224		5.79	81.6	14.4	215.1	293.4	4.92	6.20	0.2
	1229		5.78	82.6	14.6	215.4	150.91	4.89	6.50	0.2
	1234		5.79	82.7	14.5	214.8	149.0	4.85	6.55	0.2
	1239		5.79	82.5	14.5	214.9	150.6	4.81	6.60	0.2
	1244		5.79	82.6	14.5	215.0	149.3	4.81	6.65	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3/30/21 TIME 1056 WEATHER 56°F Sunny

WELL DEPTH 4W 28.83 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 12.95 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 10-30 ft bgs PUMP DEPTH 23 ft
 PUMP START TIME 11:04 min PUMP END TIME 11:34 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 11:34

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
<u>3/30/21</u>	<u>1104</u>		<u>6.05</u>	<u>105.8</u>	<u>13.4</u>	<u>175.3</u>	<u>1244</u>	<u>7.45</u>	<u>12.95</u>	<u>0.2</u>
	<u>1109</u>		<u>5.47</u>	<u>106.7</u>	<u>13.2</u>	<u>211.0</u>	<u>294</u>	<u>5.21</u>	<u>13.43</u>	<u>0.2</u>
	<u>1114</u>		<u>5.47</u>	<u>108.4</u>	<u>14.3</u>	<u>213.3</u>	<u>244</u>	<u>5.04</u>	<u>13.56</u>	<u>0.2</u>
	<u>1119</u>		<u>5.47</u>	<u>105.5</u>	<u>16.0</u>	<u>205.4</u>	<u>225</u>	<u>5.10</u>	<u>13.65</u>	<u>0.2</u>
	<u>1124</u>		<u>5.48</u>	<u>96.1</u>	<u>16.0</u>	<u>207.8</u>	<u>215</u>	<u>5.31</u>	<u>13.68</u>	<u>0.2</u>
	<u>1129</u>		<u>5.50</u>	<u>95.2</u>	<u>15.8</u>	<u>211.3</u>	<u>220</u>	<u>5.35</u>	<u>13.69</u>	<u>0.2</u>
	<u>1134</u>		<u>5.49</u>	<u>93.9</u>	<u>15.9</u>	<u>215.3</u>	<u>216</u>	<u>5.38</u>	<u>13.69</u>	<u>0.2</u>

METHANE READING (GEM) 0.02%

COMMENTS _____

SIGNATURE

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. S. 29ms/h

DATE 3/30/21 TIME 10:07 WEATHER 55° F Sunny

WELL DEPTH 89.59 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 15.40 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 73-93 ft bgs PUMP DEPTH 83 ft
 PUMP START TIME 1014 min PUMP END TIME 1054 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1054

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 ²	°C	mV	NTU	mg/L		LPM
3/30/21	1014		6.52	198.2	13.4	167.7	22.31	6.88	15.4	0.2
	1019		6.22	197	13.3	164.7	312	3.67	15.52	0.2
	1024		6.21	197.2	13.3	132.8	295	3.57	15.54	0.2
	1029		6.20	198.4	13.5	143.2	142	3.54	15.55	0.2
	1034		6.20	199.4	13.7	153.9	71.48	3.50	15.54	0.2
	1039		6.20	199.0	13.7	160.2	48.2	3.46	15.54	0.2
	1044		6.21	199.5	13.8	163.8	25.5	3.42	15.57	0.2
	1049		6.21	199.7	13.8	164.7	25.3	3.41	15.54	0.2
	1054		6.21	199.8	13.8	165.7	23.7	3.39	15.54	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-12 SAMPLE ID. MW-12

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Skanski

DATE 4/1/21 TIME 1046 WEATHER 45°F cloudy

WELL DEPTH 23.90 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 12.65 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 1051 min PUMP END TIME 1151 min
 PUMP RATE 0.2 LPM SAMPLING TIME 1151
 SAMPLING METHOD Low-flow

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 14.1 ft, PUMP DEPTH 20 ft bgs, PURGE DURATION 60 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
4/1/21	1051		5.80	325.9	14.1	171.9	2341	8.25	12.05	0.2
	1056		5.50	326.7	14.5	196.4	479	6.42	12.35	0.2
	1101		5.54	331.6	16.1	185.0	228	6.41	12.47	0.2
	1106		5.50	345.3	16.6	196.2	348	6.28	12.47	0.2
	1111		5.39	380.2	16.8	215.4	130	5.87	12.48	0.2
	1116		5.36	389.6	17.0	276.2	85.21	5.71	12.48	0.2
	1121		5.33	401.2	17.1	232.2	80.96	5.66	12.48	0.2
	1126		5.33	407.3	16.9	238.1	50.27	5.64	12.48	0.2
	1131		5.31	409.8	16.8	240.9	39.01	5.54	12.48	0.2
	1136		5.30	416.3	16.9	238.1	21.40	5.50	12.45	0.2
	1141		5.30	418.3	16.8	241	24.15	5.48	12.48	0.2
	1146		5.30	419.7	16.8	242.3	20.91	5.46	12.48	0.2
	1151		5.30	420.5	16.9	242.7	19.71	5.45	12.48	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Sample

DATE 3 22 21 TIME 0 922 WEATHER 43°F

WELL DEPTH 25.45 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 6.58 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 10 ft
 PUMP START TIME 09:25 min PUMP END TIME 09:45 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0945

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
↓	0925	0	5.40	367.2	9.2	230.8	57.2	4.78	6.50	0.2
	0930		5.11	388.4	11.7	247.5	40.6	0.71	6.62	0.2
	0935		5.10	391.4	12.2	252.6	34.02	0.24	6.71	0.2
	0940		5.10	399.2	12.2	252.6	29.05	0.09	6.72	0.2
	0945		5.10	39	12.2	256.4	28.5	0.07	7.3	0.2
					257.4					

METHANE READING (GEM) 0.0

COMMENTS _____

SIGNATURE _____



EA Engineering, Science,
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WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamski

DATE 3/22/21 TIME 0810 WEATHER 31°F

WELL DEPTH 98.96 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 4.97 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 75-95 ft bgs PUMP DEPTH 85 ft
 PUMP START TIME 0835 min PUMP END TIME 08:50 min
 PUMP RATE 0.2 LPM SAMPLING TIME 0850
 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
<u>3/22/21</u>	<u>0835</u>		<u>6.06</u>	<u>687</u>	<u>10.0</u>	<u>196.2</u>	<u>1.27</u>	<u>3.40</u>	<u>5.45</u>	<u>0.2</u>
	<u>0840</u>		<u>5.97</u>	<u>724</u>	<u>11.9</u>	<u>203.9</u>	<u>0.04</u>	<u>0.40</u>	<u>5.45</u>	<u>0.2</u>
	<u>0845</u>		<u>5.97</u>	<u>728</u>	<u>11.9</u>	<u>204.0</u>	<u>0.00</u>	<u>0.40</u>	<u>5.45</u>	<u>0.2</u>
	<u>0850</u>		<u>5.98</u>	<u>735</u>	<u>11.9</u>	<u>203.6</u>	<u>0.00</u>	<u>0.21</u>	<u>5.45</u>	<u>0.2</u>

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

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamolei

DATE 3/30/21 TIME 1307 WEATHER 64°F Sunny

WELL DEPTH 89.21 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 15.6 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 30-40 ft bgs PUMP DEPTH 35 ft
 PUMP START TIME 1313 min PUMP END TIME 1403 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1403

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 ^c	°C	mV	NTU	mg/L		LPM
3/30/21	1313		5.30	755	15.7	225.4	1640	5.96	15.6	0.2
	1318		5.27	753	16.7	206.6	1133.0	6.03	16.0	0.2
	1323		5.28	734	17.2	210.2	895	5.91	16.24	0.2
	1328		5.28	716	17.7	219.4	797	5.86	16.27	0.2
	1333		5.28	699	18.0	231.9	740	5.83	16.29	0.2
	1338		5.28	681	18.1	238.9	507	5.77	16.28	0.2
	1343		5.29	680	18.3	249.7	427	5.79	16.31	0.2
	1348		5.28	703	18.1	253.1	255	5.82	16.33	0.2
	1353		5.28	715	18.1	258	181	5.82	16.35	0.2
	1358		5.28	720	18.2	257.7	169	5.81	16.36	0.2
	1403		5.28	722	18.2	256.1	165	5.79	16.36	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szamolei



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-14B SAMPLE ID. MW-14B

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3/30/21 TIME 1417 WEATHER 63°F Sunny

WELL DEPTH 98.23 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 17.58 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 88-98 ft bgs PUMP DEPTH 92 ft
 PUMP START TIME 14:20 min PUMP END TIME 14:50 min
 PUMP RATE 0.2 LPM SAMPLING TIME 1450
 SAMPLING METHOD Low-flow

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
3/30/21	1420		5.80	181.0	16.3	188.7	26.98	6.14	17.58	0.2
	1425		5.71	171.9	16.7	201.2	21.0	5.06	17.45	0.2
	1430		5.71	174.7	16.5	196.7	17.5	4.97	17.40	0.2
	1435		5.69	166.1	15.3	207.5	30.5	5.00	17.73	0.2
	1440		5.70	166.0	15.2	217.3	17.18	4.95	17.75	0.2
	1445		5.70	165.3	15.1	222.5	12.5	4.92	17.76	0.2
	1450		5.70	164.7	15.1	225.1	10.3	4.91	17.73	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE [Signature]



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. Stamat

DATE 3/30/21 TIME 0837 WEATHER 43°F Sunny

WELL DEPTH <u>39.18</u>	ft bgs	CASING HEIGHT <u>2</u>	ft
WATER DEPTH <u>11.08</u>	ft	WELL DIAMETER <u>2</u>	in
SCREEN INTERVAL <u>30-40</u>	ft bgs	PUMP DEPTH <u>35</u>	ft
PUMP START TIME <u>0840</u>	min	PUMP END TIME <u>0940</u>	min
PUMP RATE <u>0.2</u>	LPM		
SAMPLING METHOD <u>Low-flow</u>		SAMPLING TIME <u>0940</u>	

HISTORICAL DATA: WELL DEPTH 40 ft bgs, WATER DEPTH 12.6 ft, PUMP DEPTH 35 ft bgs, PURGE DURATION 1.75 hrs

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/30/21	0840		7.52	2047	13.6	180.6	1235	8.14	11.39	0.2
	0845		5.54	1907	14.4	215.6	3700	4.61	11.40	0.2
	0850		5.51	192.1	15.2	202.6	2860	4.22	11.43	0.2
	0855		5.50	1967	16.5	197.8	1470	4.14	11.42	0.2
	0900		5.50	1971	16.9	204.9	958	4.10	11.42	0.2
	0905		5.50	1975	17.1	2003	875	4.06	11.45	0.2
	0910		5.50	1959	17.1	212	690	4.05	11.48	0.2
	0915		5.50	1946	17.1	215.7	510	4.05	11.48	0.2
	0920		5.49	1938	17.2	219.6	437	4.05	11.48	0.1
	0925		5.50	192.6	17.1	222.6	301	4.04	11.51	0.2
	0930		5.49	1932	17.2	225.1	2250	4.03	11.50	0.2
	0935		5.49	1943	17.3	228	2079	4.02	11.51	0.2
	0940		5.49	194.8	17.3	229.3	205.1	4.02	11.50	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scamisk

DATE 3/22/21 TIME 13:20 WEATHER 61°F Sunny


WELL DEPTH 66.45 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 43.45 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 40-60 ft bgs PUMP DEPTH 50 ft
 PUMP START TIME 13:28 min PUMP END TIME 13:58 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 138

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	°C	mV	NTU	mg/L	from TOC	LPM	
↓	3/22/21		6.24	830	18.0	-39.5	1194	1.34	43.45	0.2	
			5.92	781	19.7	7.1	455.6	0.46	49.85	0.2	
			5.99	809	19.9	-16.9	540	0.14	44.98	0.2	
				6.04	818	19.7	-28.2	334.5	0.06	44.81	0.2
				6.16	872	20.8	-51.2	203.78	0.01	45.15	0.2
				6.15	878	21.2	-51.2	133.7	0.01	45.16	0.2
				6.15	881	21.2	-51.2	129.1	0.01	45.16	0.2

METHANE READING (GEM) 0.00%

COMMENTS

SIGNATURE 

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamra

DATE 3 / 22 / 21 TIME 12:45 WEATHER 57°F Sunny

WELL DEPTH 105.6 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 43.22 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 80-100 ft bgs PUMP DEPTH 90 ft
 PUMP START TIME 12:55 min PUMP END TIME 13:15 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 13:15

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
3/22/21	12:55		6.34	1049	17.9	159.3	11.5	4.50	43.22	0.2
	1:00		5.96	1051	18.1	168.1	4.10	0.84	43.87	0.2
	1:05		5.92	1064	18.5	174.6	2.35	0.38	43.91	0.2
	1:10		5.92	1066	18.7	176.6	2.66	0.31	43.91	0.2
	1:15		5.92	1069	18.7	175.1	2.91	0.29	43.91	0.2

METHANE READING (GEM) 0.005%

COMMENTS _____

SIGNATURE *[Signature]*



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szymanski

DATE 3 / 23 / 21 TIME 13:01 WEATHER cloudy 64°K

WELL DEPTH <u> 28.92 </u> ft bgs	CASING HEIGHT <u> 2 </u> ft
WATER DEPTH <u> 4.38 </u> ft	WELL DIAMETER <u> 2 </u> in
SCREEN INTERVAL <u> 6-26 </u> ft bgs	PUMP DEPTH <u> 16 </u> ft
PUMP START TIME <u> 13:12 </u> min	PUMP END TIME <u> 13:37 </u> min
PUMP RATE <u> 0.2 </u> LPM	
SAMPLING METHOD <u> Low-flow </u>	SAMPLING TIME <u> 13:37 </u>

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
↓	13:12		5.88	1029	14.1	232.8	325	2.95	4.38	0.2
	13:17		5.65	1059	14.7	232.6	185	0.39	4.57	0.2
	13:22		5.65	1065	15.1	234	203	0.18	4.61	0.2
	13:27		5.65	1073	15.2	233.1 233.1	190	0.03	4.65	0.2
	13:32		5.65	1075	15.1	237	132	0.02	4.66	0.2
	13:37		5.65	1075	15.2	239	129	0.04	4.69	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE

WELL PURGING AND SAMPLING RECORD

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

DATE 3 / 23 / 21 TIME 1244 WEATHER 64°F Sunny

WELL DEPTH 80.19 HIST 78.62) ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 3.79 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 56-76 ft bgs PUMP DEPTH 66 ft
 PUMP START TIME 1247 min PUMP END TIME 13:02 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 13:02

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 ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/23/21	12:47		6.09	831	14.0	215.8	22.94	4.54	3.79	0.2
	12:52		5.86	886	13.6	221.1	5.30	0.63	4.04	0.2
	12:57		5.84	895	13.8	222.4	3.72	0.25	4.00	0.2
	13:02		5.82	901	13.8	220.1	9.48	0.21	4.01	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szwedko

DATE 3 / 31 / 21 TIME 07:50 WEATHER 57°F Sunny

WELL DEPTH <u> 27.2 </u> ft bgs	CASING HEIGHT <u> 2 </u> ft
WATER DEPTH <u> 5.13 </u> ft	WELL DIAMETER <u> 2 </u> in
SCREEN INTERVAL <u> 6-26 </u> ft bgs	PUMP DEPTH <u> 16 </u> ft
PUMP START TIME <u> 0753 </u> min	PUMP END TIME <u> 0823 </u> min
PUMP RATE <u> 0.2 </u> LPM	SAMPLING TIME <u> 0823 </u>
SAMPLING METHOD <u> Low-flow </u>	

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm [°]	°C	mV	NTU	mg/L		LPM
3/31/21	0753		6.47	901	12.3	-55.6	405	3.23	5.33	0.2
	0758		6.28	907	11.3	-51.1	679	0.61	5.63	0.2
	0803		6.24	940	11.4	-28.6	122	0.35	5.88	0.2
	0808		6.25	932	11.4	-33.7	673	0.15	5.88	0.2
	0813		6.25	922	11.5	-34.1	40.6	0.10	5.98	0.2
	0818		6.25	917	11.5	-38.8	32.9	0.08	6.01	0.2
	0823		6.25	914	11.4	-33.2	29.8	0.08	6.01	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szwedko



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3 / 31 / 21 TIME 0828 WEATHER (cloudy) 99°F


WELL DEPTH 89.72 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 4.39 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 57-87 ft bgs PUMP DEPTH 72 ft
 PUMP START TIME 0833 min PUMP END TIME 0903 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0903

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm [°]	°C	mV	NTU	mg/L		LPM
3/31/21	0833		6.43	711	13.0	-9.5	50.59	5.90	4.39	0.2
	0838		6.10	907	13.6	3.6	710	2.11	5.51	0.2
	0843		6.00	950	13.4	0.8	47.8	0.34	6.83	0.2
	0848		6.05	942	13.0	-7.7	34.5	0.14	6.89	0.2
	0853		6.07	949	13.6	-13.8	31.00	0.08	6.93	0.2
	0858		6.09	956	13.6	-18.2	27.2	0.07	6.95	0.2
	0903		6.09	959	13.7	-20.2	25.34	0.07	6.96	0.2

METHANE READING (GEM) 0.00%

COMMENTS

SIGNATURE 



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szymanski

DATE 3/23/21 TIME 08:57 WEATHER 46°F Sunny

WELL DEPTH 28.79 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 5.40 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 6-26 ft bgs PUMP DEPTH 16 ft
 PUMP START TIME 09:07 min PUMP END TIME 09:29 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 09:29

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 ^o	°C	mV	NTU	mg/L		LPM
3/23/21	09:07		7.63	1166	12.3	-291	514	6.93	5.40	0.2
	09:09		6.72	1191	13.0	-20.3	179	3.03	5.71	0.2
	09:14		6.53	1194	13.2	-292	258	0.28	5.93	0.2
	09:17		6.52	1195	13.3	-33.8	9.54	0.05	5.82	0.2
	09:24		6.52	1195	13.4	-34.0	664	0.01	5.85	0.2
	09:29		6.51	1197	13.5	-33.4	5.12	0.01	5.86	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

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. Szarvaski

DATE 3 / 23 / 21 TIME 0811 WEATHER 43°F Sunny


WELL DEPTH 101.14 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 3.97 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 77-97 ft bgs PUMP DEPTH 85 ft
 PUMP START TIME 8:28 min PUMP END TIME 8:48 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 8:48

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/23/21	8:28		7.69	886	12.5	161.3	14.15	7.60	3.97	0.2
	8:33		7.42	880	12.0	171.6	15.45	6.41	4.29	0.2
	8:38		7.33	877	12.4	179.1	12.88	6.11	5.49	0.2
	8:43		7.29	891	12.2	179.7	15.34	6.02	5.55	0.2
	8:48		7.28	897	12.3	173.8	16.11	6.00	5.56	0.2

METHANE READING (GEM) 0.00 %

COMMENTS

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamski

DATE 3/24/21 TIME 1021 WEATHER 57°F Rain

WELL DEPTH 90.5 ft ft bgs CASING HEIGHT Flush ft
 WATER DEPTH 23.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 68-88 ft bgs PUMP DEPTH 79 ft
 PUMP START TIME 1035 min PUMP END TIME 1110 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1110

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
3/24/21	10:35		6.67	259.4	13.5	162.2	10.7	2.45	23.71	0.2
	1040		6.66	254.9	14.2	150.1	4.7	1.81	24.23	0.2
	1045		6.70	264.5	15.5	37.1	2.1	1.70	24.29	0.2
	1050		6.73	266.8	16.3	128.6	1.05	1.88	24.31	0.2
	1055		6.75	267.9	16.8	58.8	0.97	1.75	24.32	0.2
	1100		6.76	269.9	17.1	23.5	0.95	1.77	24.32	0.2
	1105		6.76	270.1	17.2	21.1	0.98	1.78	24.32	0.2
	1110		6.76	270.9	17.2	20.1	0.97	1.78	24.32	0.2

METHANE READING (GEM) 0.0

COMMENTS _____

SIGNATURE _____



WELL PURGING AND SAMPLING RECORD

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

DATE 3/25/21 TIME 1435 WEATHER 59°F overcast

WELL DEPTH ~~48.3~~ 48.3 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 23.7 24.6 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 26-46 (ft bgs) PUMP DEPTH 30 ft
 PUMP START TIME 1440 min PUMP END TIME 15:25 min
 PUMP RATE 0.2 LPM SAMPLING TIME 15:25
 SAMPLING METHOD Low-flow

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/25/21	1440		5.29	366.7	14.3	241	146.23	2.32	24.7	0.2
	1445		5.22	380.0	16.4	263.1	858.03	1.54	24.5	0.2
	1450		5.22	382.9	16.7	257.3	71.34	1.51	24.2	0.2
	1455		5.24	388.2	17.8	238.6	75.23	1.52	24.2	
	1500		5.23	388.3	16.6	241.2	75.75	1.53	24.2	
	1505		5.22	386.2	17.8	249.0	106.52	1.89	24.2	
	1510		5.22	386.1	17.8	249.2	106.5	1.90	24.2	
	1515		5.22	386.2	17.8	252.0	76.6	1.92	24.2	
	1520		5.22	386.3	17.8	254.5	78.9	1.92	24.2	
	1525		5.22	386.4	17.8	254.2	77.5	1.92	24.2	

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE A. Szamek



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamko

DATE 3/25/21 TIME 1126 WEATHER 58°F overcast

WELL DEPTH <u> 47.9 </u> ft bgs	CASING HEIGHT <u> 2 </u> ft
WATER DEPTH <u> 28.5 </u> ft	WELL DIAMETER <u> 2 </u> in
SCREEN INTERVAL <u> 35-45 </u> ft bgs	PUMP DEPTH <u> 40 </u> ft
PUMP START TIME <u> 1130 </u> min	PUMP END TIME <u> 12:00 </u> min
PUMP RATE <u> 0.2 </u> LPM	
SAMPLING METHOD <u> Low-flow </u>	SAMPLING TIME <u> 1200 </u>

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
3/25/21	1130		8.95	1205	15.6	3.3	234.1	1.74	28.7	0.2
	1135		5.85	1344	17.5	-6.9	27.02	0.19	28.7	0.2
	1140		5.84	1360	18.0	-74.9	8.62	0.20	28.7	
	1145		5.84	1364	18.1	-78.7	7.08	0.04	28.7	
	1150		5.84	1368	18.3	-22.4	7.64	0.09	28.7	
	1155		5.84	1365	18.3	-22.1	7.67	0.08	↓	
	1200		5.81	1368	18.3	-22.3	7.46	0.07	↓	

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE *A. Szamko*

WELL PURGING AND SAMPLING RECORD

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

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Seemster

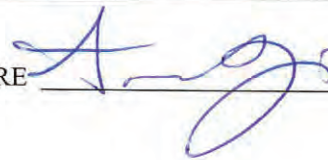
DATE 3/25/21 TIME 1030 WEATHER 59°F overcast

WELL DEPTH 80.2 ft bgs CASING HEIGHT 2 ft
 WATER DEPTH 28.4 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 58-78 ft bgs PUMP START TIME 1035 min
 PUMP DEPTH (HIST) 68 ft PUMP END TIME 11:00 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1100

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/25/21	1035		6.41	1361	15.2	-74.2	61.26	2.51	29.1	0.2
	1040		6.32	1429	15.5	-84.9	11.96	0.60	28.65	
	1045		6.36	1475	16.7	-99.1	2.77	0.15	28.70	
	1050		6.36	1471	16.8	-104.8	0.07	0.06	28.70	
	1055		6.36	1472	16.8	-105	0.06	0.05	28.70	
	1100		6.36	1471	16.8	-104.9	0.05	0.05	28.70	

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. Szanski

DATE 3 / 23 / 21 TIME 1437 WEATHER 106°F Sunny

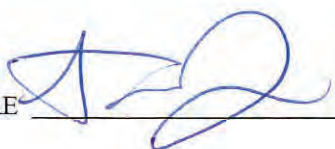
WELL DEPTH 77.33 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 13.20 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 35-75 ft bgs PUMP DEPTH 55 ft
 PUMP START TIME 14:55 min PUMP END TIME 15:20 min
 PUMP RATE 0.2 LPM SAMPLING TIME 15:20
 SAMPLING METHOD Low-flow

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
<u>3/23/21</u>	<u>14:55</u>		<u>5.87</u>	<u>2240</u>	<u>16.5</u>	<u>183.9</u>	<u>6.82</u>	<u>3.61</u>	<u>13.20</u>	<u>0.2</u>
	<u>15:00</u>		<u>5.66</u>	<u>2410</u>	<u>17.2</u>	<u>200.7</u>	<u>1.71</u>	<u>0.05</u>	<u>13.23</u>	<u>0.2</u>
	<u>15:05</u>		<u>5.67</u>	<u>2414</u>	<u>17.0</u>	<u>207.8</u>	<u>1.44</u>	<u>0.04</u>	<u>13.23</u>	<u>0.2</u>
	<u>15:10</u>		<u>5.67</u>	<u>2418</u>	<u>17.0</u>	<u>216.4</u>	<u>0.85</u>	<u>0.02</u>	<u>13.23</u>	<u>0.2</u>
	<u>15:15</u>		<u>5.68</u>	<u>2421</u>	<u>17.0</u>	<u>222.3</u>	<u>0.34</u>	<u>0.02</u>	<u>13.23</u>	<u>0.2</u>
	<u>15:20</u>		<u>5.68</u>	<u>2423</u>	<u>17.0</u>	<u>227.1</u>	<u>0.33</u>	<u>0.02</u>	<u>13.23</u>	<u>0.2</u>

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

DATE 3/24/21 TIME 0904 WEATHER 53°F Ran

WELL DEPTH 121.7 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 14.28 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 71-121 ft bgs PUMP DEPTH 80 ft
 PUMP START TIME 0912 min PUMP END TIME 09:32 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0932

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
<u>3/24/21</u>	<u>0912</u>		<u>6.58</u>	<u>669</u>	<u>14.4</u>	<u>108.1</u>	<u>2.94</u>	<u>2.29</u>	<u>14.30</u>	<u>0.2</u>
	<u>0917</u>		<u>6.13</u>	<u>673</u>	<u>14.1</u>	<u>109.0</u>	<u>0.60</u>	<u>0.50</u>	<u>14.32</u>	<u>0.2</u>
	<u>0922</u>		<u>6.11</u>	<u>673</u>	<u>14.2</u>	<u>109.5</u>	<u>0.36</u>	<u>0.43</u>	<u>14.32</u>	
	<u>0927</u>		<u>6.11</u>	<u>673</u>	<u>14.2</u>	<u>110.2</u>	<u>0.35</u>	<u>0.42</u>	<u>14.32</u>	
	<u>0932</u>		<u>6.11</u>	<u>674</u>	<u>14.2</u>	<u>110.8</u>	<u>0.33</u>	<u>0.41</u>	<u>14.32</u>	

METHANE READING (GEM) 0.00

COMMENTS _____

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

DATE 3/24/24 TIME 0940 WEATHER 54°F Rain

WELL DEPTH 13.9 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 74.7 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 37-77 ft bgs PUMP DEPTH 57 ft
 PUMP START TIME 0940 min PUMP END TIME 10:08 min
 PUMP RATE 0-2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1008

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/24/24	0948		5.58	1053	15.3	185.1	10.96	1.69	14.2	0.2
	0953		5.43	1132	15.8	202.1	1.10	0.47	14.3	0.2
	0958		5.44	1157	15.9	208.7	1.12	0.17	14.3	0.2
	1003		5.44	1148	16.0	212.7	1.13	0.16	14.3	0.2
	1008		5.44	1149	16.0	213.3	1.18	0.15	14.3	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB03 SAMPLE ID. OB03

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3/22/21 TIME 1450 WEATHER Sunny 63°F

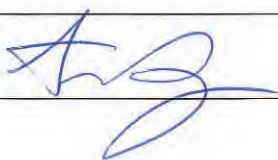
WELL DEPTH 149.75 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 20.26 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 104-154 ft bgs PUMP DEPTH 115 ft
 PUMP START TIME 14:50 min PUMP END TIME 15:05 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1505

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/22/21	14:50		6.60	1309	15.8	138	22.7	4.37	20.26	0.2
	14:55		6.21	1331	16.8	-1.7	8.51	0.52	20.59	0.2
	15:00		6.19	1337	17.0	-5.1	9.87	0.49	20.56	0.2
	15:05		6.17	1334	17.0	-4.1	11.2	0.47	20.56	0.2

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. Szanski

DATE 3/22/21 TIME 1416 WEATHER 63°F Sunny

WELL DEPTH 98.03 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 20.45 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 50-97 ft bgs PUMP DEPTH 75 ft
 PUMP START TIME 14:22 min PUMP END TIME 14:42 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 14:42

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/22/21	14:22		6.90	1527	15.8	79.8	43.13	2.99	20.45	0.2
	14:27		6.88	1568	17.0	74.1	86.12	0.46	20.58	0.2
	14:34		6.85	1568	17.2	36.1	63.05	0.11	20.62	0.2
	14:37		6.82	1559	17.3	31.9	62.7	0.06	20.62	0.2
	14:42		6.81	1554	17.4	28.9	60.5	0.07	20.64	0.2

METHANE READING (GEM) 0.0090

COMMENTS _____

SIGNATURE A. Szanski



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

DATE 3/22/21 TIME 1027 WEATHER 48°F Sunny

WELL DEPTH 136.24 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 3.71 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 86-136 ft bgs PUMP DEPTH 100 ft
 PUMP START TIME 1035 min PUMP END TIME 10:55 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1055

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
3/22/21	1035		6.34	2115	13.9	-71.5	4.57	4.96	4.5	0.2
	1040		6.23	2182	15.2	-87.3	3.08	0.63	4.55	0.2
	1045		6.22	2188	15.3	-86.9	2.88	0.22	4.58	0.2
	1050		6.21	2185	15.4	-92.2	2.51	0.13	4.59	0.2
	1055		6.21	2199	15.5	-92.5	1.99	0.03	4.60	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

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EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

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

DATE 3 / 22 / 21 TIME 11:01 WEATHER 48°F Sunny

WELL DEPTH 86.08 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 4.53 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 33-83 ft bgs PUMP DEPTH 53 ft
 PUMP START TIME 11:13 min PUMP END TIME 11:38 min
 PUMP RATE 0.2 LPM SAMPLING TIME 11:38
 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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^o	°C	mV	NTU	mg/L		LPM
3/22/21	11:13		5.71	2189	14.3	96.2	9.66	2.10	4.53	0.2
	11:14		5.65	2157	13.6	136.9	2.85	0.50	4.90	0.2
	11:23		5.64	2172	13.8	158.1	0.10	0.17	4.91	0.2
	11:28		5.64	2186	14.1	162.3	0.08	0.09	4.91	0.2
	11:33		5.64	2192	14.1	166.4	0.08	0.08	4.91	0.2
	11:38		5.63	2198	14.2	169.1	0.05	0.09	4.91	0.2

METHANE READING (GEM) 0.0

COMMENTS _____

SIGNATURE _____



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB06 SAMPLE ID. OB06

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamsta

DATE 3/29/21 TIME 1030 WEATHER 46°F Sunny

WELL DEPTH <u>68.15</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>7.56</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>26-66</u> ft bgs	PUMP DEPTH <u>46</u> ft
PUMP START TIME <u>1035</u> min	PUMP END TIME <u>1110</u> min
PUMP RATE <u>0.2</u> LPM	SAMPLING TIME <u>1110</u>
SAMPLING METHOD <u>Low-flow</u>	

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
<u>3/29/21</u>	<u>1035</u>		<u>6.15</u>	<u>1495</u>	<u>12.1</u>	<u>183.9</u>	<u>504</u>	<u>4.40</u>	<u>7.56</u>	<u>0.2</u>
	<u>1040</u>		<u>6.00</u>	<u>1497</u>	<u>12.1</u>	<u>187.3</u>	<u>218</u>	<u>1.25</u>	<u>8.51</u>	<u>0.2</u>
	<u>1045</u>		<u>6.00</u>	<u>1549</u>	<u>13.4</u>	<u>189.8</u>	<u>187</u>	<u>0.69</u>	<u>8.58</u>	<u>0.2</u>
	<u>1050</u>		<u>5.99</u>	<u>1557</u>	<u>13.4</u>	<u>193.2</u>	<u>61.7</u>	<u>0.36</u>	<u>8.58</u>	<u>0.2</u>
	<u>1055</u>		<u>6.00</u>	<u>1557</u>	<u>13.4</u>	<u>196.5</u>	<u>38.56</u>	<u>0.24</u>	<u>8.59</u>	<u>0.2</u>
	<u>1100</u>		<u>6.02</u>	<u>1585</u>	<u>14.1</u>	<u>199.1</u>	<u>27.51</u>	<u>0.53</u>	<u>8.59</u>	<u>0.2</u>
	<u>1105</u>		<u>6.01</u>	<u>1578</u>	<u>14.0</u>	<u>200.9</u>	<u>29.9</u>	<u>0.49</u>	<u>8.59</u>	<u>0.2</u>
	<u>1110</u>		<u>6.01</u>	<u>1581</u>	<u>13.9</u>	<u>201.2</u>	<u>31.7</u>	<u>0.46</u>	<u>8.59</u>	<u>0.2</u>

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB07 SAMPLE ID. OB07

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szarvsk

DATE 3/29/21 TIME 0844 WEATHER 45°F

WELL DEPTH 146.95 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 5.36 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 31-81 ft bgs PUMP DEPTH 55 ft
 PUMP START TIME 0950 min PUMP END TIME 0930 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 0930

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	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/29/21	0850		8.24	994	9.9	169.2	25.5	10.00	5.36	0.2
	0855		6.80	965	10.3	185	14.5	2.77	5.64	0.2
	0900		6.54	972	10.5	181.2	10.85	0.57	5.78	0.2
	0905		6.52	985	11.2	179.0	10.35	0.31	5.79	0.2
	0910		6.51	988	11.3	178.1	9.48	0.16	5.80	0.2
	0915		6.52	992	11.8	177.8	9.17	0.08	5.80	0.2
	0920		6.51	999	12.1	177.1	4.8	0.08	5.81	0.2
	0925		6.52	995	12.0	176.5	3.5	0.07	5.81	0.2
	0930		6.52	997	12.1	176.4	3.1	0.07	5.81	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

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EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB07A SAMPLE ID. OB07A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3 / 29 / 21 TIME 0930 WEATHER 45°F cloudy

WELL DEPTH <u>99.21</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>5.14</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>26-76</u> ft bgs	PUMP DEPTH <u>51</u> ft
PUMP START TIME <u>09:37</u> min	PUMP END TIME <u>10:07</u> min
PUMP RATE <u>0.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>10:07</u>

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
<u>3/29/21</u>	<u>0937</u>		<u>6.04</u>	<u>542</u>	<u>11.4</u>	<u>200.8</u>	<u>1.81</u>	<u>3.83</u>	<u>5.14</u>	<u>0.2</u>
	<u>0942</u>		<u>5.91</u>	<u>543</u>	<u>11.8</u>	<u>211.3</u>	<u>1.17</u>	<u>2.42</u>	<u>5.21</u>	<u>0.2</u>
	<u>0947</u>		<u>5.90</u>	<u>553</u>	<u>12.5</u>	<u>217.4</u>	<u>1.06</u>	<u>2.18</u>	<u>5.24</u>	<u>0.2</u>
	<u>0952</u>		<u>5.89</u>	<u>559</u>	<u>12.9</u>	<u>222.1</u>	<u>0.96</u>	<u>1.91</u>	<u>5.25</u>	<u>0.2</u>
	<u>0957</u>		<u>5.89</u>	<u>554</u>	<u>12.8</u>	<u>225.4</u>	<u>0.81</u>	<u>1.54</u>	<u>5.25</u>	<u>0.2</u>
	<u>1002</u>		<u>5.88</u>	<u>561</u>	<u>12.8</u>	<u>227.3</u>	<u>0.77</u>	<u>1.43</u>	<u>5.25</u>	<u>0.2</u>
	<u>1007</u>		<u>5.88</u>	<u>564</u>	<u>12.7</u>	<u>229.1</u>	<u>0.76</u>	<u>1.40</u>	<u>5.25</u>	<u>0.2</u>

METHANE READING (GEM) 0.0

COMMENTS _____

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WELL PURGING AND SAMPLING RECORD

WELL ID OB08 SAMPLE ID. OB08

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scarnski

DATE 3/25/21 TIME 0900 WEATHER 55°F overcast

WELL DEPTH 5.66 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 82.45 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 59-109 ft bgs PUMP DEPTH 75 ft
 PUMP START TIME 0915 min PUMP END TIME 09:35 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 09:35

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm [°]	°C	mV	NTU	mg/L	from TOC	LPM
<u>3/25/21</u>	<u>0915</u>		<u>7.61</u>	<u>485.0</u>	<u>13.4</u>	<u>166.3</u>	<u>26.82</u>	<u>9.30</u>	<u>5.70</u>	<u>0.2</u>
	<u>0920</u>		<u>6.14</u>	<u>565</u>	<u>14.4</u>	<u>36.1</u>	<u>3.76</u>	<u>6.80</u>	<u>5.70</u>	<u>0.2</u>
	<u>0925</u>		<u>6.08</u>	<u>598</u>	<u>14.6</u>	<u>36.1</u>	<u>2.1</u>	<u>6.11</u>	<u>5.71</u>	
	<u>0930</u>		<u>6.08</u>	<u>598</u>	<u>14.6</u>	<u>36.0</u>	<u>2.12</u>	<u>0.11</u>	<u>5.71</u>	
	<u>0935</u>		<u>6.08</u>	<u>598</u>	<u>14.6</u>	<u>35.9</u>	<u>2.14</u>	<u>0.11</u>	<u>5.72</u>	

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE [Signature]



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB08A SAMPLE ID. OB08A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scamela

DATE 3/25/21 TIME 0950 WEATHER 55°F overcast

WELL DEPTH 139.7 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 5.30 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 95-154 ft bgs PUMP DEPTH 110 ft
 PUMP START TIME 0950 min PUMP END TIME 10:10 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1010

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/25/21	0950		7.50	456.8	13.3	30.4	6.30	8.64	5.40	0.2
	0955		7.44	457.0	13.3	46.2	4.69	8.27	5.41	0.2
	1000		7.20	462.7	13.8	81.2	4.73	6.35	5.41	↓
	1005		7.19	463.7	13.8	82.0	4.59	6.33	5.43	↓
	1010		7.19	463.3	13.8	82.1	4.65	0.32	5.43	↓

METHANE READING (GEM) 0.00%

COMMENTS _____

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EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB10 SAMPLE ID. OB10

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scanski

DATE 3/29/21 TIME 1417 WEATHER 55°F Sunny

WELL DEPTH <u>109.85</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>6.50</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>27-67</u> ft bg	PUMP DEPTH _____ ft
PUMP START TIME <u>14:22</u> min	PUMP END TIME <u>14:52</u> min
PUMP RATE <u>0.2</u> LPM	PURGE DURATION (HIST.) <u>35</u> min
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>14:52</u>

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
	<u>1422</u>		<u>6.59</u>	<u>1066</u>	<u>13.5</u>	<u>21.9</u>	<u>8.57</u>	<u>5.79</u>	<u>6.50</u>	<u>0.2</u>
	<u>1427</u>		<u>6.02</u>	<u>1088</u>	<u>13.7</u>	<u>16.0</u>	<u>6.38</u>	<u>0.41</u>	<u>6.59</u>	<u>0.2</u>
	<u>1433</u>		<u>5.98</u>	<u>1053</u>	<u>14.0</u>	<u>16.5</u>	<u>5.08</u>	<u>0.17</u>	<u>6.59</u>	<u>0.2</u>
	<u>1437</u>		<u>5.97</u>	<u>1029</u>	<u>14.0</u>	<u>17.4</u>	<u>5.23</u>	<u>0.09</u>	<u>6.59</u>	<u>0.2</u>
	<u>1442</u>		<u>5.97</u>	<u>1021</u>	<u>14.1</u>	<u>19.0</u>	<u>3.33</u>	<u>0.12</u>	<u>6.59</u>	<u>0.2</u>
	<u>1447</u>		<u>5.96</u>	<u>1017</u>	<u>14.1</u>	<u>21.2</u>	<u>2.51</u>	<u>0.15</u>	<u>6.59</u>	<u>0.2</u>
	<u>1452</u>		<u>5.96</u>	<u>1013</u>	<u>14.1</u>	<u>22.3</u>	<u>2.24</u>	<u>0.09</u>	<u>6.61</u>	<u>0.2</u>

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 3/31/21 TIME 0953 WEATHER 59°F overcast

WELL DEPTH <u>103.98</u> ft	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>8.25</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>40-90</u> ft bgs	PUMP DEPTH <u>75</u> ft
PUMP START TIME <u>0959</u> min	PUMP END TIME <u>1039</u> min
PUMP RATE <u>0.2</u> LPM	SAMPLING TIME <u>10h</u>
SAMPLING METHOD <u>Low-flow</u>	

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/31/21	0959		5.46	1697	16.0	138.8	42.15	2.95	8.46	0.2
	1004		5.65	1763	15.9	133.0	29.28	0.26	8.48	0.2
	1009		5.65	1773	16.2	138.6	14.05	0.07	8.46	0.2
	1014		5.65	1785	16.5	146.3	25.23	0.06	8.46	0.2
	1019		5.66	1799	16.9	152.3	21.3	0.09	8.46	0.2
	1024		5.67	1801	16.8	151.9	18.9	0.12	8.44	0.2
	1029		5.65	1790	16.6	156.8	10.8	0.09	8.44	0.2
	1034		5.65	1785	16.6	159.1	7.51	0.07	8.45	0.2
	1039		5.65	1784	16.5	161.3	4.95	0.07	8.45	0.2

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

COMMENTS _____

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB11A SAMPLE ID. OB11A

WELL/SITE DESCRIPTION Guide Landfill

SAMPLING PERSONNEL A. Szomky

DATE 3/31/21 TIME 1045 WEATHER 56°F overcast

WELL DEPTH 66.65 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 8.35 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 24-64 ft bgs PUMP DEPTH 45 ft
 PUMP START TIME 1051 min PUMP END TIME 1121 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1121

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 ^e	°C	mV	NTU	mg/L	from TOC	LPM
↓	3/31/21		5.91	1739	15.5	120.0	5.92	3.22	8.35	0.2
			5.84	1813	16.2	84.6	49.92	0.21	9.13	0.2
			5.84	1813	16.4	84.0	25.39	0.06	9.19	0.2
			5.84	1814	16.6	84.7	15.01	0.05	9.19	0.2
			5.84	1812	16.6	85.5	11.91	0.13	9.21	0.2
			5.84	1815	16.6	86.7	9.9	0.08	9.21	0.2
			5.84	1814	16.6	87.1	6.71	0.07	9.21	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE

WELL PURGING AND SAMPLING RECORD

WELL ID OB12 SAMPLE ID. OB12

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szam Sk.

DATE 3/29/21 TIME 1238 WEATHER Sunny 55°F

WELL DEPTH 15.68 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 28.91 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 16-26 ft bgs PUMP DEPTH 21 ft
 PUMP START TIME 1245 min PUMP END TIME 1305 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1305

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
3/29/21	1245		6.74	558	13.0	18.5	5.85	3.41	15.68	0.2
	1250		5.92	543	14.8	25.4	1.27	0.54	18.21	0.2
	1255		5.62	516	15.2	62.7	0.10	0.13	16.23	0.2
	1300		5.59	514	15.4	68.7	0.23	0.08	16.23	0.2
	1305		5.58	513	15.5	71.3	0.18	0.05	16.23	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE 

WELL PURGING AND SAMPLING RECORD

WELL ID OB015 SAMPLE ID. OB015

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szegmisk

DATE 3/29/21 TIME 1315 WEATHER Sunny 57°F

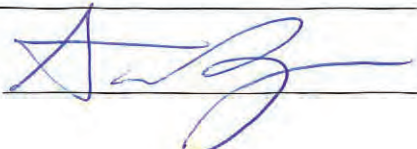
WELL DEPTH ~~18.73~~ 18.73 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 25.50 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 18-28 ft bgs PUMP DEPTH 23 ft
 PUMP START TIME 1319 min PUMP END TIME 1339 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1339

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 from TOC	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L		LPM
3/29/21	1319		5.64	2742	15.5	1107	19.37	2.13	18.73	0.2
	1324		5.54	2762	16.1	1219	19.7	0.57	18.95	0.2
	1329		5.53	2877	17.9	1299	10.8	0.22	19.25	0.2
	1334		5.53	2931	18.1	1332	12.15	0.20	19.22	0.2
	1339		5.53	2945	18.1	1363	11.3	0.18	19.22	0.2

METHANE READING (GEM) 0.000%

COMMENTS _____

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB025 SAMPLE ID. OB025

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3 / 31 / 21 TIME 0914 WEATHER 60°F overcast

WELL DEPTH <u>18.00</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>7.35</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>5-15</u> ft bgs	PUMP DEPTH <u>10</u> ft
PUMP START TIME <u>0920</u> min	PUMP END TIME <u>0945</u> min
PUMP RATE <u>0.2</u> LPM	SAMPLING TIME <u>0945</u>
SAMPLING METHOD <u>Low-flow</u>	

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

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/31/21	0920		6.36	930	12.1	71.5	288	3.35	7.64	0.2
	0925		6.32	938	12.5	94.9	250	0.47	7.91	
	0930		6.31	959	13.4	95.2	255	0.19	8.15	
	0935		6.31	974	13.6	90.6	171	0.11	8.21	
	0940		6.30	981	13.8	85.5	162	0.08	8.24	
	0945		6.30	985	13.9	82.3	158	0.07	8.25	

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB102 SAMPLE ID. OB102

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 3/29/21 TIME 1124 WEATHER 48°F Sunny

WELL DEPTH 24.6 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 10.9 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 15-25 ft bgs PUMP DEPTH 20 ft
 PUMP START TIME 1139 min PUMP END TIME 1159 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 1159

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°	°C	mV	NTU	mg/L	from TOC	LPM
3/29/21	1129		6.73	2743	12.8	190.6	15.01	2.91	10.9	0.2
	1134		6.67	2881	14.4	194.7	13.05	0.22	10.65	0.2
	1139		6.66	2879	14.6	193.5	13.24	0.03	10.65	0.2
	1144		6.65	2902	14.8	183.3	14.36	0.03	10.65	0.2
	1149		6.64	2920	15.0	171.1	15.83	0.03	10.65	0.2
	1154		6.64	2931	15.1	164.7	16.11	0.02	10.65	0.2
	1159		6.64	2935	15.1	159.8	14.92	0.02	10.65	0.2

METHANE READING (GEM) 0.00%

COMMENTS _____

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OB105 SAMPLE ID. OB105

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Stanski

DATE 3/22/21 TIME 1150 WEATHER 54°F Sunny

WELL DEPTH 16.81 ft bgs CASING HEIGHT 3 ft
 WATER DEPTH 2.33 ft WELL DIAMETER 2 in
 SCREEN INTERVAL 5-13 ft bgs PUMP DEPTH 7 ft
 PUMP START TIME 11:55 min PUMP END TIME 12:15 min
 PUMP RATE 0.2 LPM
 SAMPLING METHOD Low-flow SAMPLING TIME 12:15

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 ^c	°C	mV	NTU	mg/L	from TOC	LPM
3/22/21	11:55		7.12	3391	12.6	-130.4	115.12	3.79	2.33	0.2
	12:00		7.05	3462	13.5	-140.9	78.33	0.63	2.69	0.2
	12:05		7.03	3469	13.7	-137.0	71.4	0.15	2.73	0.2
	12:10		7.02	3459	13.8	-134.5	70.1	0.11	2.75	0.2
	12:15		7.02	3455	13.8	-133.7	68.9	0.13	2.77	0.2

METHANE READING (GEM) 0.0

COMMENTS _____

SIGNATURE _____


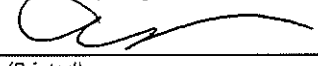
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Appendix B

Chain-of-Custody Documents

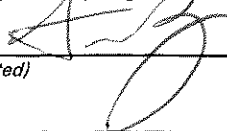


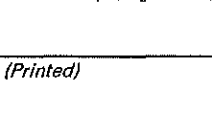
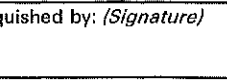
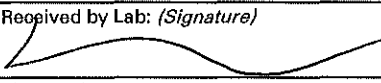
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Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD					
Project Name: Gude Landfill		Project ID: 15510404		No. of Containers 8 260LL VOC + BOD 8 6020 NDE Landfill Oxide Nitrate, Sulfate Alkalinity, Dissolved 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. Scams		P.O. Number:												Matrix Codes: NW (non-potable water), DW (drinking water)					
Field Sample ID	Date	Time	DW	Water	Soil	Other											Preservative	Field Notes	MSS Lab ID
MW-13B	3/22/21	0810		X			11	X	X	X	X	X	X	X			HCl, H ₂ SO ₄ , HNO ₃	1032218-01	
MW-13A		0945		X														-02	
OB04		1055		X														-03	
OB04A		1138		X														-04	
OB105		1215		X														-05	
MW-16B		1315		X														-06	
MW-16A		1358		X														-07	
OB03A		1442		X														-08	
OB03		1505		X														-09	
MW-8		1535		X														-10	
Relinquished by: (Signature) 		Date/Time 3/22/21 1715		Received by: (Signature) 		Relinquished by: (Signature)		Date/Time		Received by: (Signature)									
(Printed)				(Printed)		(Printed)				(Printed)									
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)		Turn Around Time:		Lab Use:											
(Printed)				(Printed)		<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: 22°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day											
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS 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					
Project Name: Grude Landfill		Project ID: 1556404		No. of Containers 8260U VOC & 8011 6020 MDE Landfill L&S Ontario Nitrate Sulfate Ammonia Dissolved Solids 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. Szanski		P.O. Number:												Matrix Codes: NW (non-potable water), DW (drinking water)					
Field Sample ID	Date	Time	DW	Water	Soil	Other											Preservative	Field Notes	MSS Lab ID
ST-120	3/22/21	1005		X			11	X	X	X	X	X	X	X	X		HCl, H₂SO₄, HNO₃	1032218-11	
Dup-0830	↓	—		X			11	X	X	X	X	X	X	X	X			-12	
Relinquished by: (Signature) 		Date/Time 3/22/21		Received by: (Signature) 		Relinquished by: (Signature)		Date/Time		Received by: (Signature)		(Printed)		(Printed)		(Printed)			
(Printed)		1715		Adrian Moore		(Printed)		(Printed)		(Printed)		(Printed)		(Printed)		(Printed)			
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)		Turn Around Time:		Lab Use:		Temp: 22 °C		Sample Disposal:							
(Printed)				(Printed)		<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		<input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day		<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 Other: _____		Special Instructions/QC Requirements & Comments:																	

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		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: 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 - 22B	3/23/21	0848	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1032313-01
MW - 22A		0929					X	X	X	X	X	X	X			-02
MW - 3B		1030					X	X	X	X	X	X	X			-03
MW - 3A		1113					X	X	X	X	X	X	X			-04
MW - 19B		1302 1302					X	X	X	X	X	X	X			-05
MW - 19A		1337					X	X	X	X	X	X	X			-06
MW - 1B		1220					X	X	X	X	X	X	X			-07
MW - 6		1435					X	X	X	X	X	X	X			-08
CB01	↓	1520	↓			↓	X	X	X	X	X	X	X	↓		-09
Relinquished by: (Signature) 		Date/Time 3/23/21		Received by: (Signature) 				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
(Printed)				(Printed)				(Printed)						(Printed)		
Relinquished by: (Signature)		Date/Time 3/23/21		Received by Lab: (Signature) 				Turn Around Time:				Lab Use:				
(Printed)		10:37		(Printed) Rachel Homer				<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: <u>8.2</u> °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: _____																
		<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: GUDÉ Landfill		Project ID: 1556404														
Sampler(s): A. Szamski		P.O. Number: 19541		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)		
Field Sample ID		Date	Time											Water	Soil	Other
ML0-7		3/24/21	0847	X			11	+	+	+	+	+	HCl, H ₂ SO, HNO ₃		1032415-01	
CB02			0932	X			11	+	+	+	+	+			-02	
OR02A			1058	X			11	+	+	+	+	+			-03	
MW-23A			1110	X			11	+	+	+	+	+			-04	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
(Printed)		3/24/21		(Printed)				(Printed)				1240		(Printed)		
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:				
(Printed)		12:45		(Printed)				<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: _____°C 9.8 <input type="checkbox"/> Received on Ice <input 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 Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		Project ID: 1556404		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">No. of Containers</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8260LL VOC + 1108 + 801</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">6020 MDE Landfill List</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Turbidity, pH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Suspended Solids</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">COD</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Ammonia-Nitrogen</div> </div>										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: 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
OB08	3/25/21	0905	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1032523-01
OB08A		1010	X			11	X	X	X	X	X	X	X			-02
MW-24B		1100	X			11	X	X	X	X	X	X	X			-03
MW-24A		1200	X			11	X	X	X	X	X	X	X			-04
MW-2B		1305	X			11	X	X	X	X	X	X	X			-05
MW-2A		1355	X			11	X	X	X	X	X	X	X			-06
MW-23B		1525	X			11	X	X	X	X	X	X	X			-07
DUP-OB40	↓	-	X			11	X	X	X	X	X	X	X	↓		-08
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
		3/25/21														
(Printed)		1645		(Printed)				(Printed)				(Printed)		(Printed)		
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:				
		16:48						<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: _____ °C 8.0 <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
(Printed)		3-25-21		Lori Foster								Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days				
Delivery Method:		Special Instructions/QC Requirements & Comments:														
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		Project ID: 1556404		No. of Containers 8260LL VOC 4801 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. Szamski		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
OB007	3/29/21	0930	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1032911-01
OB07A		1007					X	X	X	X	X	X	X			-02
OB06		1110					X	X	X	X	X	X	X			-03
OB102		1159					X	X	X	X	X	X	X			-04
ST-065		1030					X	X	X	X	X	X	X			-05
ST-015		1230					X	X	X	X	X	X	X			-06
OB12		1305					X	X	X	X	X	X	X			-07
OB015		1339					X	X	X	X	X	X	X			-08
ST-70		1410					X	X	X	X	X	X	X			-09
OB10		1452					X	X	X	X	X	X	X			-10
Relinquished by: (Signature) 		Date/Time 3/29/21		Received by: (Signature) 				Relinquished by: (Signature) 				Date/Time 1045		Received by: (Signature) 		
(Printed) Andy Szamski				(Printed)				(Printed)						(Printed)		
Relinquished by: (Signature) 		Date/Time 16:49		Received by Lab: (Signature) 				Turn Around Time:				Lab Use:				
(Printed)		3-29-21		(Printed)				<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: ____ °C 11.4 <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											
Project Name: GUDE Landfill		Project ID: 1556404															No. of Containers 8260LL VOC <i>7801</i> 6020 MDE Landfill List Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity Turbidity, pH Suspended Solids COD Ammonia-Nitrogen								
Sampler(s): A. Szamski		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									
<i>MW-4</i>	<i>3/29/14</i>	<i>1535</i>	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		<i>-11</i>									
Relinquished by: <i>(Signature)</i> <i>(Printed)</i> <i>Andy Szamski</i>	Date/Time <i>3/29/14</i> <i>1645</i>	Received by: <i>(Signature)</i> <i>(Printed)</i>	Relinquished by: <i>(Signature)</i> <i>(Printed)</i>	Date/Time	Received by: <i>(Signature)</i> <i>(Printed)</i>																				
Relinquished by: <i>(Signature)</i> <i>(Printed)</i>	Date/Time <i>16:49</i> <i>3-29-21</i>	Received by Lab: <i>(Signature)</i> <i>(Printed)</i> <i>Lori Foster</i>	Turn Around Time:	Lab Use: Temp: <i>11.4</i> °C	Received by: <i>(Signature)</i> <i>(Printed)</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/QC Requirements & Comments:		<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																					

Company Name: EA	Project Manager: Laura Oakes	Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill	Project ID: 1556404	No. of Containers	8260LL VOC & 80U	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. Szamski	P.O. Number: 19541									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 Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC & 80U	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
TRIP BLANK	3/30/21	1420	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃	TRIP BLANK	1033031-01
MW-4 on MW-15		0940	X			11	X	X	X	X	X	X	X			-02
MW-11B		1054	X			11	X	X	X	X	X	X	X			-03
MW-11A		1134	X			11	X	X	X	X	X	X	X			-04
MW-10		1244	X			11	X	X	X	X	X	X	X			-05
MW-14A		1403	X			11	X	X	X	X	X	X	X			-06
MW-14B		1450	X			11	X	X	X	X	X	X	X			-07
ST-80		1530	X			11	X	X	X	X	X	X	X			-08

Relinquished by: (Signature) 	Date/Time 3/30/21	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Andy Szamski	1420	(Printed)	(Printed)		(Printed)

Relinquished by: (Signature) 	Date/Time 16:23	Received by Lab: (Signature)	Turn Around Time:	Lab Use:
(Printed)	3-30-21	(Printed) Lowi Foster	<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: ____°C 6.0 <input type="checkbox"/> Received on Ice <input 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 Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		Project ID: 1556404		No. of Containers 8260LL VOC *804 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. Szamski		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 *804	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-21A	3/31/21	0823	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1033104-01
MW-21B		0903	X			11	X	X	X	X	X	X	X			-02
OB025		0945	X			11	X	X	X	X	X	X	X			-03
OB11		1039	X			11	X	X	X	X	X	X	X			-04
OB11A		1120	X			11	X	X	X	X	X	X	X			-05
Dup-OB50		-	X			11	X	X	X	X	X	X	X			-06
TRIP BLANK		-	X			1	X	X	X	X	X	X	X		TRIPBLANK	-07
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
(Printed)		3/31/21		(Printed)				(Printed)						(Printed)		
Andy Szamski		1232														
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:				
(Printed)		12:35		(Printed)				<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: ____°C 8.5 <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
		3-31-21		Lori Foster								Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ____ days				
Delivery Method:		Special Instructions/QC Requirements & Comments:														
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																

Company Name: EA	Project Manager: Laura Oakes	Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill	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: 19541											Matrix Codes: NW (non-potable water) PW (potable water)		

Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC & BOLL	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-9	4/11/21	1028	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1046114-01
MW-12	↓	1157	X			11	X	X	X	X	X	X	X	↓		-02
TRIP BLANK	↓	—	X			1									TRIP BLANK	-03

Relinquished by: (Signature) 	Date/Time 4/11/21	Received by: (Signature) 	Relinquished by: (Signature) 	Date/Time 12:45	Received by: (Signature)
(Printed) Andy Szamski		(Printed)	(Printed)		(Printed)
Relinquished by: (Signature) 	Date/Time 12:47	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:	
(Printed)	4-1-21	(Printed) Lori Foster	<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: _____°C 11.0	
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:		<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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01 April 2021

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 03/22/21 17:15.

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,



Will Brewington
President

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/01/21 15:53

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13B		1032218-01	Nonpotable Water	03/22/21 08:10	03/22/21 17:15
MW-13A		1032218-02	Nonpotable Water	03/22/21 09:45	03/22/21 17:15
0B04		1032218-03	Nonpotable Water	03/22/21 10:55	03/22/21 17:15
0B04A		1032218-04	Nonpotable Water	03/22/21 11:38	03/22/21 17:15
0B105		1032218-05	Nonpotable Water	03/22/21 12:15	03/22/21 17:15
MW-16B		1032218-06	Nonpotable Water	03/22/21 13:15	03/22/21 17:15
MW-16A		1032218-07	Nonpotable Water	03/22/21 13:58	03/22/21 17:15
0B03A		1032218-08	Nonpotable Water	03/22/21 14:42	03/22/21 17:15
0B03		1032218-09	Nonpotable Water	03/22/21 15:05	03/22/21 17:15
MW-8		1032218-10	Nonpotable Water	03/22/21 15:35	03/22/21 17:15
ST-120		1032218-11	Nonpotable Water	03/22/21 10:05	03/22/21 17:15
DUP-0B30		1032218-12	Nonpotable Water	03/22/21 00:00	03/22/21 17:15



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

Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13B

1032218-01 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.13		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/23/21	03/23/21 10:29	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:14	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:14	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Benzene	1.3		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:14	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Chlorobenzene	1.2		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,4-Dichlorobenzene	6.1		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,1-Dichloroethane	6.6		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,2-Dichloroethane	1.1		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
cis-1,2-Dichloroethene	41.0		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
trans-1,2-Dichloroethene	1.6		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,2-Dichloropropane	3.4		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13B

1032218-01 (Nonpotable Water)
Sample Date: 03/22/21

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	03/23/21	03/23/21 20:14	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:14	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:14	AS
Isobutanol	ND		ug/L	100	100	1	03/23/21	03/23/21 20:14	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:14	AS
Methylene chloride	2.1		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:14	AS
Styrene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Tetrachloroethene	9.2		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Toluene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Trichloroethene	9.0		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Vinyl chloride	4.5		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:14	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	101 %			03/23/21	03/23/21 20:14	
Surrogate: Toluene-d8			75-120	101 %			03/23/21	03/23/21 20:14	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			03/23/21	03/23/21 20:14	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13B

1032218-01 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/29/21 21:58	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/29/21 21:58	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	299000		ug/L	500	500	1	03/23/21	03/24/21 12:36	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Barium	66.5		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Calcium	70600		ug/L	80.0	80.0	1	03/23/21	03/24/21 12:36	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Copper	2.35	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Iron	13.9	J	ug/L	100	5.00	1	03/23/21	03/24/21 12:36	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Magnesium	29800		ug/L	100	100	1	03/23/21	03/24/21 12:36	CWK
Manganese	33.5		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Mercury	0.259		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:36	CWK
Nickel	2.06		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Potassium	3300		ug/L	100	100	1	03/23/21	03/24/21 12:36	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Sodium	18500		ug/L	100	100	1	03/23/21	03/24/21 12:36	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:36	CWK
Zinc	4.38		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:36	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13B

1032218-01 (Nonpotable Water)
Sample Date: 03/22/21

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	03/23/21	03/23/21 13:50	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	800		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	108		mg/L	0.500	0.500	1	03/23/21	03/23/21 17:32	VVD
Nitrate (as N)	4.98		mg/L			1	03/23/21	03/23/21 17:32	VVD
Sulfate	20.0		mg/L	0.3	0.3	1	03/23/21	03/23/21 17:32	VVD
Nitrate	22.6		mg/L	0.050	0.050	1	03/23/21	03/23/21 17:32	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	496		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 10:59	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	194		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13A

1032218-02 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.20		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	27.0		NTU	0.500	0.110	1	03/23/21	03/23/21 10:29	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:38	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:38	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Benzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:38	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Chloroform	4.0		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,4-Dichlorobenzene	2.2		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,1-Dichloroethane	6.3		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
cis-1,2-Dichloroethene	35.2		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
trans-1,2-Dichloroethene	1.1		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,2-Dichloropropane	2.5		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13A

1032218-02 (Nonpotable Water)
Sample Date: 03/22/21

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	03/23/21	03/23/21 20:38	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:38	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:38	AS
Isobutanol	ND		ug/L	100	100	1	03/23/21	03/23/21 20:38	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:38	AS
Methylene chloride	1.3		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 20:38	AS
Styrene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Tetrachloroethene	6.0		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Toluene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Trichloroethene	7.8		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Vinyl chloride	2.2		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 20:38	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			03/23/21	03/23/21 20:38	
Surrogate: Toluene-d8			75-120	100 %			03/23/21	03/23/21 20:38	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			03/23/21	03/23/21 20:38	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13A

1032218-02 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/29/21 22:53	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/29/21 22:53	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	127000		ug/L	500	500	1	03/23/21	03/24/21 12:41	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Barium	155		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Calcium	20000		ug/L	80.0	80.0	1	03/23/21	03/24/21 12:41	CWK
Chromium	1.39		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Cobalt	13.4		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Copper	6.20	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Iron	1290		ug/L	100	5.00	1	03/23/21	03/24/21 12:41	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Magnesium	18700		ug/L	100	100	1	03/23/21	03/24/21 12:41	CWK
Manganese	489		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Mercury	0.173		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:41	CWK
Nickel	9.23		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Potassium	2160		ug/L	100	100	1	03/23/21	03/24/21 12:41	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Sodium	12300		ug/L	100	100	1	03/23/21	03/24/21 12:41	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Vanadium	2.87		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:41	CWK
Zinc	28.7		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:41	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-13A

1032218-02 (Nonpotable Water)
Sample Date: 03/22/21

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	03/23/21	03/23/21 13:51	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	400		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	94.1		mg/L	0.500	0.500	1	03/23/21	03/23/21 17:51	VVD
Nitrate (as N)	2.98		mg/L			1	03/23/21	03/23/21 17:51	VVD
Sulfate	7.2		mg/L	0.3	0.3	1	03/23/21	03/23/21 17:51	VVD
Nitrate	13.5		mg/L	0.050	0.050	1	03/23/21	03/23/21 17:51	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	62.7		mg/L	4.8	4.8	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	299		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:06	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	21.3		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04

1032218-03 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.13		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.16		NTU	0.500	0.110	1	03/23/21	03/23/21 10:30	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:02	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:02	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Benzene	1.6		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:02	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Chlorobenzene	1.6		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,4-Dichlorobenzene	6.3		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
cis-1,2-Dichloroethene	12.1		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04

1032218-03 (Nonpotable Water)
Sample Date: 03/22/21

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	03/23/21	03/23/21 21:02	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:02	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:02	AS
Isobutanol	ND		ug/L	100	100	1	03/23/21	03/23/21 21:02	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:02	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:02	AS
Styrene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Tetrachloroethene	1.2		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Toluene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Trichloroethene	1.5		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Vinyl chloride	1.4		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:02	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			03/23/21	03/23/21 21:02	
Surrogate: Toluene-d8			75-120	101 %			03/23/21	03/23/21 21:02	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			03/23/21	03/23/21 21:02	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04

1032218-03 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/29/21	03/29/21 23:12	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/29/21 23:12	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	748000		ug/L	2500	2500	5	03/23/21	03/24/21 14:47	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Barium	294		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Calcium	148000		ug/L	400	400	5	03/23/21	03/24/21 14:47	CWK
Chromium	1.06		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Copper	28.1	QB-01, B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Iron	121		ug/L	100	5.00	1	03/23/21	03/24/21 12:44	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Magnesium	92100		ug/L	500	500	5	03/23/21	03/24/21 14:47	CWK
Manganese	3580		ug/L	5.00	5.00	5	03/23/21	03/24/21 14:47	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:44	CWK
Nickel	10.7		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Potassium	6720		ug/L	100	100	1	03/23/21	03/24/21 12:44	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Sodium	68600		ug/L	100	100	1	03/23/21	03/24/21 12:44	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:44	CWK
Zinc	6.65		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:44	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04

1032218-03 (Nonpotable Water)
Sample Date: 03/22/21

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	35.7		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:52	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	2150		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	524		mg/L	1.00	1.00	2	03/23/21	03/24/21 08:00	VVD
Nitrate (as N)	0.00		mg/L			1	03/23/21	03/23/21 18:09	VVD
Sulfate	15.7		mg/L	0.3	0.3	1	03/23/21	03/23/21 18:09	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/23/21	03/23/21 18:09	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	5.7		mg/L	2.4	2.4	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1460		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.72		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:08	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	268		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04A

1032218-04 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.82		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/23/21	03/23/21 10:30	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:26	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:26	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Benzene	1.8		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:26	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Chlorobenzene	1.7		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,4-Dichlorobenzene	9.0		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
cis-1,2-Dichloroethene	17.6		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04A

1032218-04 (Nonpotable Water)
Sample Date: 03/22/21

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	03/23/21	03/23/21 21:26	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:26	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:26	AS
Isobutanol	ND		ug/L	100	100	1	03/23/21	03/23/21 21:26	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:26	AS
Methylene chloride	2.9		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:26	AS
Styrene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Tetrachloroethene	1.3		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Toluene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Trichloroethene	1.2		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Vinyl chloride	2.5		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:26	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %			03/23/21	03/23/21 21:26	
Surrogate: Toluene-d8			75-120	101 %			03/23/21	03/23/21 21:26	
Surrogate: 4-Bromofluorobenzene			75-120	98 %			03/23/21	03/23/21 21:26	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04A

**1032218-04 (Nonpotable Water)
Sample Date: 03/22/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/29/21 23:32	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/29/21 23:32	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	695000		ug/L	2500	2500	5	03/23/21	03/24/21 14:54	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Barium	65.3		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Calcium	117000		ug/L	400	400	5	03/23/21	03/24/21 14:54	CWK
Chromium	1.33		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Cobalt	1.12		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Copper	29.4	QB-01, B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Iron	109		ug/L	100	5.00	1	03/23/21	03/24/21 12:46	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Magnesium	97700		ug/L	500	500	5	03/23/21	03/24/21 14:54	CWK
Manganese	2480		ug/L	5.00	5.00	5	03/23/21	03/24/21 14:54	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:46	CWK
Nickel	23.7		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Potassium	5370		ug/L	100	100	1	03/23/21	03/24/21 12:46	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Sodium	90400		ug/L	100	100	1	03/23/21	03/24/21 12:46	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:46	CWK
Zinc	27.2		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:46	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B04A

1032218-04 (Nonpotable Water)
Sample Date: 03/22/21

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	39.6		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:52	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	2190		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	594		mg/L	1.00	1.00	2	03/23/21	03/24/21 08:18	VVD
Nitrate (as N)	0.00		mg/L			1	03/23/21	03/23/21 18:27	VVD
Sulfate	11.4		mg/L	0.3	0.3	1	03/23/21	03/23/21 18:27	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/23/21	03/23/21 18:27	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	9.9		mg/L	2.4	2.4	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1520		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.56		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:10	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	163		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B105

1032218-05 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.99		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	298		NTU	5.00	1.10	10	03/23/21	03/23/21 10:48	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:50	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:50	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Benzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:50	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B105

1032218-05 (Nonpotable Water)
Sample Date: 03/22/21

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	03/23/21	03/23/21 21:50	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:50	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:50	AS
Isobutanol	ND		ug/L	100	100	1	03/23/21	03/23/21 21:50	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:50	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/23/21	03/23/21 21:50	AS
Styrene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Toluene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/23/21	03/23/21 21:50	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %	03/23/21		03/23/21 21:50		
Surrogate: Toluene-d8			75-120	101 %	03/23/21		03/23/21 21:50		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	03/23/21		03/23/21 21:50		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B105

1032218-05 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/29/21 23:52	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/29/21 23:52	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	823000		ug/L	2500	2500	5	03/23/21	03/24/21 14:57	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Arsenic	3.85		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Barium	582		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Calcium	103000		ug/L	400	400	5	03/23/21	03/24/21 14:57	CWK
Chromium	4.00		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Cobalt	8.56		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Copper	6.97	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Iron	26700		ug/L	100	5.00	1	03/23/21	03/24/21 12:49	CWK
Lead	1.21		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Magnesium	137000		ug/L	500	500	5	03/23/21	03/24/21 14:57	CWK
Manganese	1810		ug/L	5.00	5.00	5	03/23/21	03/24/21 14:57	CWK
Mercury	0.113		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:49	CWK
Nickel	11.9		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Potassium	93500		ug/L	100	100	1	03/23/21	03/24/21 12:49	CWK
Selenium	1.27		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Sodium	307000		ug/L	500	500	5	03/23/21	03/24/21 14:57	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Vanadium	4.97		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:49	CWK
Zinc	138		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:49	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B105

1032218-05 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	3100		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	265		mg/L	0.500	0.500	1	03/23/21	03/23/21 18:45	VVD
Nitrate (as N)	0.00		mg/L			1	03/23/21	03/23/21 18:45	VVD
Sulfate	65.8		mg/L	0.3	0.3	1	03/23/21	03/23/21 18:45	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/23/21	03/23/21 18:45	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	131		mg/L	4.7	4.7	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1860		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	55.3		mg/L	2.00	1.00	20	03/26/21	03/26/21 14:16	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	1500		mg/L	20.0	20.0	20	03/26/21	03/26/21 13:00	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.



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/01/21 15:53

0B105

**1032218-05RE1 (Nonpotable Water)
 Sample Date: 03/22/21**

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	150		mg/L	6.0	6.0	2	03/23/21	03/24/21 14:57	CWK

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



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16B

1032218-06 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.08		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.26		NTU	0.500	0.110	1	03/23/21	03/23/21 10:32	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:04	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:04	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Benzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:04	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Chlorobenzene	11.3		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,4-Dichlorobenzene	4.5		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16B

1032218-06 (Nonpotable Water)
Sample Date: 03/22/21

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	03/24/21	03/24/21 15:04	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:04	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:04	AS
Isobutanol	ND		ug/L	100	100	1	03/24/21	03/24/21 15:04	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:04	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:04	AS
Styrene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Toluene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:04	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/24/21		03/24/21 15:04		
Surrogate: Toluene-d8			75-120	101 %	03/24/21		03/24/21 15:04		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	03/24/21		03/24/21 15:04		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16B

1032218-06 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 00:11	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 00:11	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	322000		ug/L	500	500	1	03/23/21	03/24/21 12:51	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Barium	21.8		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Calcium	50500		ug/L	80.0	80.0	1	03/23/21	03/24/21 12:51	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Cobalt	6.22		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Copper	2.43	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Iron	169		ug/L	100	5.00	1	03/23/21	03/24/21 12:51	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Magnesium	47500		ug/L	100	100	1	03/23/21	03/24/21 12:51	CWK
Manganese	8620		ug/L	10.0	10.0	10	03/23/21	03/24/21 14:59	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:51	CWK
Nickel	14.6		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Potassium	3470		ug/L	100	100	1	03/23/21	03/24/21 12:51	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Sodium	35600		ug/L	100	100	1	03/23/21	03/24/21 12:51	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:51	CWK
Zinc	9.40		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:51	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16B

1032218-06 (Nonpotable Water)
Sample Date: 03/22/21

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	18.9		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:55	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	987		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	205		mg/L	0.500	0.500	1	03/23/21	03/23/21 19:03	VVD
Nitrate (as N)	2.65		mg/L			1	03/23/21	03/23/21 19:03	VVD
Sulfate	6.8		mg/L	0.3	0.3	1	03/23/21	03/23/21 19:03	VVD
Nitrate	12.1		mg/L	0.050	0.050	1	03/23/21	03/23/21 19:03	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	2.3		mg/L	2.3	2.3	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	580		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 14:03	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	144		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16A

1032218-07 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.31		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	92.0		NTU	2.50	0.550	5	03/23/21	03/23/21 10:50	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:28	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:28	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Benzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:28	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Chlorobenzene	2.7		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16A

1032218-07 (Nonpotable Water)
Sample Date: 03/22/21

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	03/24/21	03/24/21 15:28	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:28	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:28	AS
Isobutanol	ND		ug/L	100	100	1	03/24/21	03/24/21 15:28	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:28	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:28	AS
Styrene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Toluene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:28	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/24/21		03/24/21 15:28		
Surrogate: Toluene-d8			75-120	101 %	03/24/21		03/24/21 15:28		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	03/24/21		03/24/21 15:28		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16A

1032218-07 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/29/21	03/30/21 00:31	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 00:31	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	168000		ug/L	500	500	1	03/23/21	03/24/21 12:54	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Arsenic	2.81		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Barium	271		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Calcium	19700		ug/L	80.0	80.0	1	03/23/21	03/24/21 12:54	CWK
Chromium	5.33		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Cobalt	6.57		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Copper	11.3	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Iron	8240		ug/L	100	5.00	1	03/23/21	03/24/21 12:54	CWK
Lead	2.68		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Magnesium	28900		ug/L	100	100	1	03/23/21	03/24/21 12:54	CWK
Manganese	9530		ug/L	20.0	20.0	20	03/23/21	03/24/21 15:02	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:54	CWK
Nickel	9.74		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Potassium	3960		ug/L	100	100	1	03/23/21	03/24/21 12:54	CWK
Selenium	1.09		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Sodium	73200		ug/L	100	100	1	03/23/21	03/24/21 12:54	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Vanadium	2.34		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:54	CWK
Zinc	36.3		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:54	CWK

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



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-16A

1032218-07 (Nonpotable Water)
Sample Date: 03/22/21

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	15.3		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:55	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	734		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	52.6		mg/L	0.500	0.500	1	03/23/21	03/23/21 19:57	VVD
Nitrate (as N)	14.8	QC-6	mg/L			2	03/23/21	03/24/21 22:11	VVD
Sulfate	43.5		mg/L	0.3	0.3	1	03/23/21	03/23/21 19:57	VVD
Nitrate	67.5	QC-6	mg/L	0.100	0.100	2	03/23/21	03/24/21 22:11	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	416		mg/L	5.2	5.2	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	437		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.14		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:21	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	208		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03A

1032218-08 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.87		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	29.2		NTU	0.500	0.110	1	03/23/21	03/23/21 10:33	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:53	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:53	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Benzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:53	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03A

1032218-08 (Nonpotable Water)
Sample Date: 03/22/21

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	03/24/21	03/24/21 15:53	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:53	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:53	AS
Isobutanol	ND		ug/L	100	100	1	03/24/21	03/24/21 15:53	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:53	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 15:53	AS
Styrene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Toluene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 15:53	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/24/21		03/24/21 15:53		
Surrogate: Toluene-d8			75-120	101 %	03/24/21		03/24/21 15:53		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	03/24/21		03/24/21 15:53		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03A

**1032218-08 (Nonpotable Water)
Sample Date: 03/22/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 00:51	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 00:51	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	582000		ug/L	2500	2500	5	03/23/21	03/24/21 15:04	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Arsenic	1.30		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Barium	88.4		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Calcium	114000		ug/L	400	400	5	03/23/21	03/24/21 15:04	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Cobalt	5.79		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Copper	1.03	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Iron	3000		ug/L	100	5.00	1	03/23/21	03/24/21 12:56	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Magnesium	72000		ug/L	500	500	5	03/23/21	03/24/21 15:04	CWK
Manganese	840		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:56	CWK
Nickel	3.06		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Potassium	18500		ug/L	100	100	1	03/23/21	03/24/21 12:56	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Sodium	53800		ug/L	100	100	1	03/23/21	03/24/21 12:56	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:56	CWK
Zinc	ND		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:56	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03A

1032218-08 (Nonpotable Water)
Sample Date: 03/22/21

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	15.7		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:56	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1450		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	68.1		mg/L	0.500	0.500	1	03/23/21	03/23/21 20:15	VVD
Nitrate (as N)	1.13		mg/L			1	03/23/21	03/23/21 20:15	VVD
Sulfate	93.8		mg/L	0.3	0.3	1	03/23/21	03/23/21 20:15	VVD
Nitrate	5.16		mg/L	0.050	0.050	1	03/23/21	03/23/21 20:15	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	10.9		mg/L	2.4	2.4	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	856		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	1.01		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:23	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	637		mg/L	4.0	4.0	4	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03

1032218-09 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.22		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	31.1		NTU	0.500	0.110	1	03/23/21	03/23/21 10:33	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:17	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:17	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Benzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:17	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Chlorobenzene	1.6		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,4-Dichlorobenzene	6.3		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,1-Dichloroethane	8.8		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
cis-1,2-Dichloroethene	28.7		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
trans-1,2-Dichloroethene	1.7		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,2-Dichloropropane	2.1		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03

1032218-09 (Nonpotable Water)
Sample Date: 03/22/21

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	03/24/21	03/24/21 16:17	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:17	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:17	AS
Isobutanol	ND		ug/L	100	100	1	03/24/21	03/24/21 16:17	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:17	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:17	AS
Styrene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Toluene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Trichloroethene	2.9		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Vinyl chloride	4.2		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:17	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		103 %			03/24/21	03/24/21 16:17	
Surrogate: Toluene-d8		75-120		100 %			03/24/21	03/24/21 16:17	
Surrogate: 4-Bromofluorobenzene		75-120		96 %			03/24/21	03/24/21 16:17	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03

1032218-09 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 01:10	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 01:10	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	339000		ug/L	500	500	1	03/23/21	03/24/21 12:59	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Arsenic	1.57		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Barium	423		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Calcium	68200		ug/L	80.0	80.0	1	03/23/21	03/24/21 12:59	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Cobalt	41.1		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Copper	1.25	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Iron	13700		ug/L	100	5.00	1	03/23/21	03/24/21 12:59	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Magnesium	41000		ug/L	100	100	1	03/23/21	03/24/21 12:59	CWK
Manganese	17300		ug/L	20.0	20.0	20	03/23/21	03/24/21 15:07	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 12:59	CWK
Nickel	11.5		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Potassium	22000		ug/L	100	100	1	03/23/21	03/24/21 12:59	CWK
Selenium	1.30		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Sodium	59000		ug/L	100	100	1	03/23/21	03/24/21 12:59	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 12:59	CWK
Zinc	17.6		ug/L	4.00	4.00	1	03/23/21	03/24/21 12:59	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

0B03

1032218-09 (Nonpotable Water)
Sample Date: 03/22/21

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	12.8		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:56	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1230		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	209		mg/L	0.500	0.500	1	03/23/21	03/23/21 20:33	VVD
Nitrate (as N)	0.00		mg/L			1	03/23/21	03/23/21 20:33	VVD
Sulfate	35.9		mg/L	0.3	0.3	1	03/23/21	03/23/21 20:33	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/23/21	03/23/21 20:33	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	16.2		mg/L	2.4	2.4	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	725		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	2.27		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:25	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	260		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-8

1032218-10 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	7.03		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.87		NTU	0.500	0.110	1	03/23/21	03/23/21 10:37	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:41	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:41	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Benzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:41	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-8

1032218-10 (Nonpotable Water)
Sample Date: 03/22/21

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	03/24/21	03/24/21 16:41	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:41	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:41	AS
Isobutanol	ND		ug/L	100	100	1	03/24/21	03/24/21 16:41	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:41	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 16:41	AS
Styrene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Toluene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 16:41	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %	03/24/21		03/24/21 16:41		
Surrogate: Toluene-d8			75-120	101 %	03/24/21		03/24/21 16:41		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	03/24/21		03/24/21 16:41		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-8

**1032218-10 (Nonpotable Water)
Sample Date: 03/22/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 01:29	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 01:29	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	643000		ug/L	2500	2500	5	03/23/21	03/24/21 15:09	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Barium	119		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Calcium	106000		ug/L	400	400	5	03/23/21	03/24/21 15:09	CWK
Chromium	1.05		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Copper	2.20	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Iron	122		ug/L	100	5.00	1	03/23/21	03/24/21 13:01	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Magnesium	91700		ug/L	500	500	5	03/23/21	03/24/21 15:09	CWK
Manganese	17.0		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 13:01	CWK
Nickel	2.95		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Potassium	13400		ug/L	100	100	1	03/23/21	03/24/21 13:01	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Sodium	74700		ug/L	100	100	1	03/23/21	03/24/21 13:01	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:01	CWK
Zinc	ND		ug/L	4.00	4.00	1	03/23/21	03/24/21 13:01	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

MW-8

1032218-10 (Nonpotable Water)
Sample Date: 03/22/21

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	20.2		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:57	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1520		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	99.0		mg/L	0.500	0.500	1	03/23/21	03/23/21 20:51	VVD
Nitrate (as N)	3.42		mg/L			1	03/23/21	03/23/21 20:51	VVD
Sulfate	33.7		mg/L	0.3	0.3	1	03/23/21	03/23/21 20:51	VVD
Nitrate	15.5		mg/L	0.050	0.050	1	03/23/21	03/23/21 20:51	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	27.6		mg/L	3.8	3.8	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	846		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:28	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	170		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

ST-120

1032218-11 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	7.25		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.56		NTU	0.500	0.110	1	03/23/21	03/23/21 10:38	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:05	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:05	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Benzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:05	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

ST-120

1032218-11 (Nonpotable Water)
Sample Date: 03/22/21

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 (continued)										
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:05	AS	
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
2-Hexanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:05	AS	
Isobutanol	ND		ug/L	100	100	1	03/24/21	03/24/21 17:05	AS	
Iodomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:05	AS	
Methylene chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:05	AS	
Styrene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Toluene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Trichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
o-Xylene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:05	AS	
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			03/24/21	03/24/21 17:05		
Surrogate: Toluene-d8			75-120	101 %			03/24/21	03/24/21 17:05		
Surrogate: 4-Bromofluorobenzene			75-120	97 %			03/24/21	03/24/21 17:05		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

ST-120

**1032218-11 (Nonpotable Water)
Sample Date: 03/22/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 01:49	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 01:49	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	160000		ug/L	500	500	1	03/23/21	03/24/21 13:09	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Barium	58.5		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Calcium	31000		ug/L	80.0	80.0	1	03/23/21	03/24/21 13:09	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Copper	1.02	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Iron	329		ug/L	100	5.00	1	03/23/21	03/24/21 13:09	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Magnesium	20000		ug/L	100	100	1	03/23/21	03/24/21 13:09	CWK
Manganese	119		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/23/21	03/24/21 13:09	CWK
Nickel	8.02		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Potassium	2370		ug/L	100	100	1	03/23/21	03/24/21 13:09	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Sodium	148000		ug/L	500	500	5	03/23/21	03/24/21 15:12	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:09	CWK
Zinc	5.74		ug/L	4.00	4.00	1	03/23/21	03/24/21 13:09	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

ST-120

**1032218-11 (Nonpotable Water)
Sample Date: 03/22/21**

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	8.9		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:58	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1190		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	314		mg/L	0.500	0.500	1	03/23/21	03/23/21 21:09	VVD
Nitrate (as N)	1.54		mg/L			1	03/23/21	03/23/21 21:09	VVD
Sulfate	15.4		mg/L	0.3	0.3	1	03/23/21	03/23/21 21:09	VVD
Nitrate	6.98		mg/L	0.050	0.050	1	03/23/21	03/23/21 21:09	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	4.1		mg/L	2.3	2.3	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	626		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:30	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	64.7		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

DUP-0B30

1032218-12 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.13		pH Units			1	03/23/21	03/23/21 10:13	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.13		NTU	0.500	0.110	1	03/23/21	03/23/21 10:39	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:30	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:30	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Benzene	1.4		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:30	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Chlorobenzene	1.2		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,4-Dichlorobenzene	6.0		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,1-Dichloroethane	6.5		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,2-Dichloroethane	1.2		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
cis-1,2-Dichloroethene	42.9		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
trans-1,2-Dichloroethene	1.5		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,2-Dichloropropane	3.8		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

DUP-0B30

1032218-12 (Nonpotable Water)
Sample Date: 03/22/21

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	03/24/21	03/24/21 17:30	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:30	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:30	AS
Isobutanol	ND		ug/L	100	100	1	03/24/21	03/24/21 17:30	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:30	AS
Methylene chloride	1.9		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/24/21	03/24/21 17:30	AS
Styrene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Tetrachloroethene	9.6		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Toluene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Trichloroethene	9.7		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Vinyl chloride	4.7		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/24/21	03/24/21 17:30	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			03/24/21	03/24/21 17:30	
Surrogate: Toluene-d8			75-120	101 %			03/24/21	03/24/21 17:30	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			03/24/21	03/24/21 17:30	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

DUP-0B30

1032218-12 (Nonpotable Water)
Sample Date: 03/22/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 02:09	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 02:09	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	301000		ug/L	500	500	1	03/23/21	03/24/21 13:11	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Barium	68.6		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Calcium	69500		ug/L	80.0	80.0	1	03/23/21	03/24/21 13:11	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Copper	3.31	B	ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Iron	36.5	J	ug/L	100	5.00	1	03/23/21	03/24/21 13:11	CWK
Lead	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Magnesium	31000		ug/L	100	100	1	03/23/21	03/24/21 13:11	CWK
Manganese	30.9		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Mercury	0.206		ug/L	0.100	0.100	1	03/23/21	03/24/21 13:11	CWK
Nickel	2.08		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Potassium	3260		ug/L	100	100	1	03/23/21	03/24/21 13:11	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Silver	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Sodium	18500		ug/L	100	100	1	03/23/21	03/24/21 13:11	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/23/21	03/24/21 13:11	CWK
Zinc	7.06		ug/L	4.00	4.00	1	03/23/21	03/24/21 13:11	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

DUP-0B30

1032218-12 (Nonpotable Water)
Sample Date: 03/22/21

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	3.8		mg/L	3.0	3.0	1	03/23/21	03/23/21 13:58	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	784		uS/cm			1	03/23/21	03/23/21 14:20	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	104		mg/L	0.500	0.500	1	03/23/21	03/23/21 21:27	VVD
Nitrate (as N)	4.94		mg/L			1	03/23/21	03/23/21 21:27	VVD
Sulfate	18.4		mg/L	0.3	0.3	1	03/23/21	03/23/21 21:27	VVD
Nitrate	22.4		mg/L	0.050	0.050	1	03/23/21	03/23/21 21:27	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/23/21	03/24/21 12:17	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	488		mg/L	10.0	10.0	1	03/24/21	03/25/21 13:18	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:32	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	194		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD

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Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/01/21 15:53

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103389 - Turbidity Prep

Blank (B103389-BLK1)

Prepared & Analyzed: 03/23/21

Turbidity	ND		0.500	NTU						
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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

Blank (B103384-BLK1)

Prepared & Analyzed: 03/23/21

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

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

Blank (B103384-BLK1)

Prepared & Analyzed: 03/23/21

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	50.52			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	50.47			ug/L	50.0		101	75-120		
Surrogate: 4-Bromofluorobenzene	49.30			ug/L	50.0		99	75-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

LCS (B103384-BS1)

Prepared & Analyzed: 03/23/21

Acetone	7.9		5.0	ug/L	10.0		79	50-150		
Benzene	4.6		1.0	ug/L	5.00		92	50-150		
Bromochloromethane	4.4		1.0	ug/L	5.00		87	50-150		
Bromodichloromethane	4.1		1.0	ug/L	5.00		82	50-150		
Bromoform	3.6		1.0	ug/L	5.00		71	50-150		
Bromomethane	4.4		1.0	ug/L	5.00		87	50-150		
2-Butanone (MEK)	7.9		5.0	ug/L	10.0		79	50-150		
Carbon disulfide	4.6		1.0	ug/L	5.00		92	50-150		
Carbon tetrachloride	4.5		1.0	ug/L	5.00		89	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
Chloroethane	4.5		1.0	ug/L	5.00		91	50-150		
Chloroform	4.0		1.0	ug/L	5.00		81	50-150		
Chloromethane	4.4		1.0	ug/L	5.00		88	50-150		
Dibromochloromethane	4.2		1.0	ug/L	5.00		85	50-150		
1,2-Dibromo-3-chloropropane	4.1		1.0	ug/L	5.00		82	50-150		
1,2-Dibromoethane (EDB)	4.4		1.0	ug/L	5.00		88	50-150		
Dibromomethane	4.3		1.0	ug/L	5.00		85	50-150		
1,2-Dichlorobenzene	5.0		1.0	ug/L	5.00		99	50-150		
1,4-Dichlorobenzene	4.9		1.0	ug/L	5.00		99	50-150		
1,1-Dichloroethane	4.4		1.0	ug/L	5.00		88	50-150		
1,2-Dichloroethane	4.5		1.0	ug/L	5.00		91	50-150		
1,1-Dichloroethene	4.3		1.0	ug/L	5.00		87	50-150		
cis-1,2-Dichloroethene	4.4		1.0	ug/L	5.00		87	50-150		
trans-1,2-Dichloroethene	4.4		1.0	ug/L	5.00		88	50-150		
1,2-Dichloropropane	4.1		1.0	ug/L	5.00		82	50-150		
1,3-Dichloropropane	4.7		1.0	ug/L	5.00		93	50-150		
2,2-Dichloropropane	4.0		1.0	ug/L	5.00		80	50-150		
1,1-Dichloropropene	4.3		1.0	ug/L	5.00		87	50-150		
cis-1,3-Dichloropropene	4.2		1.0	ug/L	5.00		84	50-150		
trans-1,3-Dichloropropene	4.0		1.0	ug/L	5.00		80	50-150		
Ethylbenzene	5.0		1.0	ug/L	5.00		99	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

LCS (B103384-BS1)

Prepared & Analyzed: 03/23/21

2-Hexanone	8.1		5.0	ug/L	10.0		81	50-150		
Methyl tert-butyl ether (MTBE)	4.2		1.0	ug/L	5.00		84	50-150		
4-Methyl-2-pentanone	8.4		5.0	ug/L	10.0		84	50-150		
Methylene chloride	5.1		1.0	ug/L	5.00		103	0-200		
Methyl methacrylate	3.9	J	5.0	ug/L	5.00		78	50-150		
Styrene	4.6		1.0	ug/L	5.00		93	50-150		
1,1,1,2-Tetrachloroethane	4.3		1.0	ug/L	5.00		85	50-150		
1,1,2,2-Tetrachloroethane	4.4		1.0	ug/L	5.00		89	50-150		
Tetrachloroethene	4.5		1.0	ug/L	5.00		90	50-150		
Toluene	4.8		1.0	ug/L	5.00		95	50-150		
1,1,1-Trichloroethane	4.3		1.0	ug/L	5.00		86	50-150		
1,1,2-Trichloroethane	4.3		1.0	ug/L	5.00		86	50-150		
Trichloroethene	4.5		1.0	ug/L	5.00		89	50-150		
Trichlorofluoromethane (Freon 11)	5.0		1.0	ug/L	5.00		99	50-150		
1,2,3-Trichloropropane	4.4		1.0	ug/L	5.00		89	50-150		
Vinyl acetate	2.9		1.0	ug/L	5.00		57	50-150		
Vinyl chloride	4.7		1.0	ug/L	5.00		94	50-150		
o-Xylene	4.7		1.0	ug/L	5.00		93	50-150		
m- & p-Xylenes	9.7		1.0	ug/L	10.0		97	50-150		
Surrogate: 1,2-Dichloroethane-d4	49.65			ug/L	50.0		99	70-130		
Surrogate: Toluene-d8	50.51			ug/L	50.0		101	75-120		
Surrogate: 4-Bromofluorobenzene	48.92			ug/L	50.0		98	75-120		

Duplicate (B103384-DUP1)

Source: 1032218-01

Prepared & Analyzed: 03/23/21

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	1.3		1.0	ug/L		1.3			0.8	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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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

Duplicate (B103384-DUP1)	Source: 1032218-01	Prepared & Analyzed: 03/23/21			
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	1.3	1.0 ug/L	1.2	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	ND	1.0 ug/L	ND	20	
1,4-Dichlorobenzene	5.9	1.0 ug/L	6.1	2	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20	
1,1-Dichloroethane	6.7	1.0 ug/L	6.6	2	20
1,2-Dichloroethane	1.1	1.0 ug/L	1.1	3	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20	
cis-1,2-Dichloroethene	41.4	1.0 ug/L	41.0	1	20
trans-1,2-Dichloroethene	1.6	1.0 ug/L	1.6	0.6	20
1,2-Dichloropropane	3.6	1.0 ug/L	3.4	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	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

Duplicate (B103384-DUP1)	Source: 1032218-01	Prepared & Analyzed: 03/23/21			
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	2.2	1.0 ug/L	2.1	5	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	9.0	1.0 ug/L	9.2	2	20
Toluene	ND	1.0 ug/L	ND	20	
1,1,1-Trichloroethane	ND	1.0 ug/L	ND	20	
1,1,2-Trichloroethane	ND	1.0 ug/L	ND	20	
Trichloroethene	9.0	1.0 ug/L	9.0	0.3	20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L	ND	20	
1,2,3-Trichloropropane	ND	1.0 ug/L	ND	20	
Vinyl acetate	ND	1.0 ug/L	ND	20	
Vinyl chloride	4.6	1.0 ug/L	4.5	2	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	50.91	ug/L	50.0	102	70-130
Surrogate: Toluene-d8	50.43	ug/L	50.0	101	75-120
Surrogate: 4-Bromofluorobenzene	48.59	ug/L	50.0	97	75-120

Matrix Spike (B103384-MS1)	Source: 1032218-02	Prepared & Analyzed: 03/23/21				
Acetone	10.2	5.0 ug/L	10.0	1.7	85	60-120
Benzene	10.8	1.0 ug/L	10.0	ND	108	60-120
Bromochloromethane	9.8	1.0 ug/L	10.0	ND	98	60-120
Bromodichloromethane	9.5	1.0 ug/L	10.0	ND	95	60-120
Bromoform	8.2	1.0 ug/L	10.0	ND	82	60-120
Bromomethane	8.0	1.0 ug/L	10.0	ND	80	60-120
2-Butanone (MEK)	8.9	5.0 ug/L	10.0	ND	89	60-120
Carbon disulfide	9.5	1.0 ug/L	10.0	ND	95	60-120
Carbon tetrachloride	11.1	1.0 ug/L	10.0	ND	111	60-120

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

Matrix Spike (B103384-MS1)	Source: 1032218-02			Prepared & Analyzed: 03/23/21						
Chlorobenzene	11.5		1.0	ug/L	10.0	ND	115	60-120		
Chloroethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
Chloroform	12.9		1.0	ug/L	10.0	4.0	89	60-120		
Chloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
Dibromochloromethane	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,2-Dibromo-3-chloropropane	8.1		1.0	ug/L	10.0	ND	81	60-120		
1,2-Dibromoethane (EDB)	9.9		1.0	ug/L	10.0	ND	99	60-120		
Dibromomethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,2-Dichlorobenzene	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,4-Dichlorobenzene	13.3		1.0	ug/L	10.0	2.2	110	60-120		
1,1-Dichloroethane	16.2		1.0	ug/L	10.0	6.3	99	60-120		
1,2-Dichloroethane	10.8		1.0	ug/L	10.0	ND	108	60-120		
1,1-Dichloroethene	10.1		1.0	ug/L	10.0	ND	101	60-120		
cis-1,2-Dichloroethene	44.2		1.0	ug/L	10.0	35.2	90	60-120		
trans-1,2-Dichloroethene	11.1		1.0	ug/L	10.0	1.1	100	60-120		
1,2-Dichloropropane	11.9		1.0	ug/L	10.0	2.5	94	60-120		
1,3-Dichloropropane	10.2		1.0	ug/L	10.0	ND	102	60-120		
2,2-Dichloropropane	8.0		1.0	ug/L	10.0	ND	80	60-120		
1,1-Dichloropropene	10.4		1.0	ug/L	10.0	ND	104	60-120		
cis-1,3-Dichloropropene	9.1		1.0	ug/L	10.0	ND	91	60-120		
trans-1,3-Dichloropropene	8.6		1.0	ug/L	10.0	ND	86	60-120		
Ethylbenzene	11.4		1.0	ug/L	10.0	ND	114	60-120		
2-Hexanone	8.1		5.0	ug/L	10.0	ND	81	60-120		
Methyl tert-butyl ether (MTBE)	9.3		1.0	ug/L	10.0	ND	93	60-120		
4-Methyl-2-pentanone	8.6		5.0	ug/L	10.0	ND	86	60-120		
Methylene chloride	10.9		1.0	ug/L	10.0	1.3	95	60-120		
Methyl methacrylate	8.2		5.0	ug/L	10.0	ND	82	60-120		
Styrene	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,1,1,2-Tetrachloroethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,1,2,2-Tetrachloroethane	9.7		1.0	ug/L	10.0	ND	97	60-120		
Tetrachloroethene	16.9		1.0	ug/L	10.0	6.0	109	60-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103384 - GCMS-WATER-VOLATILES

Matrix Spike (B103384-MS1)	Source: 1032218-02	Prepared & Analyzed: 03/23/21
Toluene	10.9	1.0 ug/L 10.0 ND 109 60-120
1,1,1-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120
1,1,2-Trichloroethane	10.3	1.0 ug/L 10.0 ND 103 60-120
Trichloroethene	18.6	1.0 ug/L 10.0 7.8 108 60-120
Trichlorofluoromethane (Freon 11)	11.3	1.0 ug/L 10.0 ND 113 60-120
1,2,3-Trichloropropane	9.4	1.0 ug/L 10.0 ND 94 60-120
Vinyl acetate	7.3	1.0 ug/L 10.0 ND 73 60-120
Vinyl chloride	12.0	1.0 ug/L 10.0 2.2 98 60-120
o-Xylene	10.6	1.0 ug/L 10.0 ND 106 60-120
m- & p-Xylenes	22.8	1.0 ug/L 20.0 ND 114 60-120
Surrogate: 1,2-Dichloroethane-d4	50.47	ug/L 50.0 101 70-130
Surrogate: Toluene-d8	50.51	ug/L 50.0 101 75-120
Surrogate: 4-Bromofluorobenzene	48.73	ug/L 50.0 97 75-120

Batch B103413 - GCMS-WATER-VOLATILES

Blank (B103413-BLK1)	Prepared & Analyzed: 03/24/21
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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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103413 - GCMS-WATER-VOLATILES

Blank (B103413-BLK1)

Prepared & Analyzed: 03/24/21

Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103413 - GCMS-WATER-VOLATILES

Blank (B103413-BLK1)

Prepared & Analyzed: 03/24/21

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>	50.85			ug/L	50.0		102	70-130		
<i>Surrogate: Toluene-d8</i>	50.57			ug/L	50.0		101	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	47.82			ug/L	50.0		96	75-120		

LCS (B103413-BS1)

Prepared & Analyzed: 03/24/21

Acetone	6.9		5.0	ug/L	10.0		69	50-150		
Benzene	4.5		1.0	ug/L	5.00		90	50-150		
Bromochloromethane	4.4		1.0	ug/L	5.00		87	50-150		
Bromodichloromethane	4.2		1.0	ug/L	5.00		83	50-150		
Bromoform	3.5		1.0	ug/L	5.00		71	50-150		
Bromomethane	4.4		1.0	ug/L	5.00		88	50-150		
2-Butanone (MEK)	7.4		5.0	ug/L	10.0		74	50-150		
Carbon disulfide	4.6		1.0	ug/L	5.00		91	50-150		
Carbon tetrachloride	4.7		1.0	ug/L	5.00		93	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
Chloroethane	4.4		1.0	ug/L	5.00		87	50-150		
Chloroform	3.9		1.0	ug/L	5.00		77	50-150		
Chloromethane	4.5		1.0	ug/L	5.00		90	50-150		
Dibromochloromethane	4.1		1.0	ug/L	5.00		82	50-150		
1,2-Dibromo-3-chloropropane	3.9		1.0	ug/L	5.00		77	50-150		
1,2-Dibromoethane (EDB)	4.4		1.0	ug/L	5.00		89	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103413 - GCMS-WATER-VOLATILES

LCS (B103413-BS1)

Prepared & Analyzed: 03/24/21

Dibromomethane	4.5		1.0	ug/L	5.00		90	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		99	50-150		
1,4-Dichlorobenzene	5.2		1.0	ug/L	5.00		104	50-150		
1,1-Dichloroethane	4.5		1.0	ug/L	5.00		89	50-150		
1,2-Dichloroethane	4.5		1.0	ug/L	5.00		89	50-150		
1,1-Dichloroethene	4.5		1.0	ug/L	5.00		89	50-150		
cis-1,2-Dichloroethene	4.3		1.0	ug/L	5.00		86	50-150		
trans-1,2-Dichloroethene	4.3		1.0	ug/L	5.00		86	50-150		
1,2-Dichloropropane	4.2		1.0	ug/L	5.00		83	50-150		
1,3-Dichloropropane	4.5		1.0	ug/L	5.00		91	50-150		
2,2-Dichloropropane	4.2		1.0	ug/L	5.00		85	50-150		
1,1-Dichloropropene	4.3		1.0	ug/L	5.00		86	50-150		
cis-1,3-Dichloropropene	4.0		1.0	ug/L	5.00		80	50-150		
trans-1,3-Dichloropropene	4.2		1.0	ug/L	5.00		83	50-150		
Ethylbenzene	5.0		1.0	ug/L	5.00		100	50-150		
2-Hexanone	7.7		5.0	ug/L	10.0		77	50-150		
Methyl tert-butyl ether (MTBE)	4.1		1.0	ug/L	5.00		82	50-150		
4-Methyl-2-pentanone	8.0		5.0	ug/L	10.0		80	50-150		
Methylene chloride	4.6		1.0	ug/L	5.00		93	0-200		
Methyl methacrylate	3.8	J	5.0	ug/L	5.00		75	50-150		
Styrene	4.6		1.0	ug/L	5.00		92	50-150		
1,1,1,2-Tetrachloroethane	4.1		1.0	ug/L	5.00		82	50-150		
1,1,2,2-Tetrachloroethane	4.2		1.0	ug/L	5.00		84	50-150		
Tetrachloroethene	4.6		1.0	ug/L	5.00		92	50-150		
Toluene	4.7		1.0	ug/L	5.00		95	50-150		
1,1,1-Trichloroethane	4.1		1.0	ug/L	5.00		82	50-150		
1,1,2-Trichloroethane	4.4		1.0	ug/L	5.00		87	50-150		
Trichloroethene	4.4		1.0	ug/L	5.00		88	50-150		
Trichlorofluoromethane (Freon 11)	5.0		1.0	ug/L	5.00		101	50-150		
1,2,3-Trichloropropane	4.2		1.0	ug/L	5.00		84	50-150		
Vinyl acetate	3.1		1.0	ug/L	5.00		63	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103413 - GCMS-WATER-VOLATILES

LCS (B103413-BS1)

Prepared & Analyzed: 03/24/21

Vinyl chloride	4.6		1.0	ug/L	5.00		92	50-150		
o-Xylene	4.6		1.0	ug/L	5.00		92	50-150		
m- & p-Xylenes	9.8		1.0	ug/L	10.0		98	50-150		
Surrogate: 1,2-Dichloroethane-d4	50.33			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	50.72			ug/L	50.0		101	75-120		
Surrogate: 4-Bromofluorobenzene	48.84			ug/L	50.0		98	75-120		

Duplicate (B103413-DUP1)

Source: 1032218-06

Prepared & Analyzed: 03/24/21

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	11.4		1.0	ug/L		11.3			1	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	4.6		1.0	ug/L		4.5			2	20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	ND		1.0	ug/L		ND				20

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103413 - GCMS-WATER-VOLATILES

Duplicate (B103413-DUP1)	Source: 1032218-06	Prepared & Analyzed: 03/24/21		
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20
Methyl tert-butyl ether (MTBE)	ND	1.0 ug/L	ND	20
4-Methyl-2-pentanone	ND	5.0 ug/L	ND	20
Methylene chloride	ND	1.0 ug/L	ND	20
Methyl methacrylate	ND	5.0 ug/L	ND	20
Styrene	ND	1.0 ug/L	ND	20
1,1,1,2-Tetrachloroethane	ND	1.0 ug/L	ND	20
1,1,2,2-Tetrachloroethane	ND	1.0 ug/L	ND	20
Tetrachloroethene	ND	1.0 ug/L	ND	20
Toluene	ND	1.0 ug/L	ND	20
1,1,1-Trichloroethane	ND	1.0 ug/L	ND	20
1,1,2-Trichloroethane	ND	1.0 ug/L	ND	20
Trichloroethene	ND	1.0 ug/L	ND	20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L	ND	20
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

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103413 - GCMS-WATER-VOLATILES

Duplicate (B103413-DUP1)		Source: 1032218-06		Prepared & Analyzed: 03/24/21						
o-Xylene	ND		1.0	ug/L		ND				20
m- & p-Xylenes	ND		1.0	ug/L		ND				20
Surrogate: 1,2-Dichloroethane-d4	50.78			ug/L	50.0		102	70-130		
Surrogate: Toluene-d8	50.46			ug/L	50.0		101	75-120		
Surrogate: 4-Bromofluorobenzene	47.98			ug/L	50.0		96	75-120		

Matrix Spike (B103413-MS1)		Source: 1032218-07		Prepared & Analyzed: 03/24/21						
Acetone	10.4		5.0	ug/L	10.0	2.0	85	60-120		
Benzene	9.8		1.0	ug/L	10.0	ND	98	60-120		
Bromochloromethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
Bromodichloromethane	8.9		1.0	ug/L	10.0	ND	89	60-120		
Bromoform	7.9		1.0	ug/L	10.0	ND	79	60-120		
Bromomethane	8.1		1.0	ug/L	10.0	ND	81	60-120		
2-Butanone (MEK)	9.1		5.0	ug/L	10.0	ND	91	60-120		
Carbon disulfide	8.4		1.0	ug/L	10.0	ND	84	60-120		
Carbon tetrachloride	10.0		1.0	ug/L	10.0	ND	100	60-120		
Chlorobenzene	12.8		1.0	ug/L	10.0	2.7	101	60-120		
Chloroethane	9.7		1.0	ug/L	10.0	ND	97	60-120		
Chloroform	8.5		1.0	ug/L	10.0	ND	85	60-120		
Chloromethane	8.3		1.0	ug/L	10.0	ND	83	60-120		
Dibromochloromethane	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,2-Dibromo-3-chloropropane	8.4		1.0	ug/L	10.0	ND	84	60-120		
1,2-Dibromoethane (EDB)	9.6		1.0	ug/L	10.0	ND	96	60-120		
Dibromomethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,2-Dichlorobenzene	10.1		1.0	ug/L	10.0	ND	101	60-120		
1,4-Dichlorobenzene	10.2		1.0	ug/L	10.0	ND	102	60-120		
1,1-Dichloroethane	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,2-Dichloroethane	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,1-Dichloroethene	9.0		1.0	ug/L	10.0	ND	90	60-120		
cis-1,2-Dichloroethene	9.3		1.0	ug/L	10.0	ND	93	60-120		
trans-1,2-Dichloroethene	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,2-Dichloropropane	9.0		1.0	ug/L	10.0	ND	90	60-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103413 - GCMS-WATER-VOLATILES

Matrix Spike (B103413-MS1)	Source: 1032218-07		Prepared & Analyzed: 03/24/21							
1,3-Dichloropropane	9.9	1.0	ug/L	10.0	ND	99	60-120			
2,2-Dichloropropane	7.4	1.0	ug/L	10.0	ND	74	60-120			
1,1-Dichloropropene	9.0	1.0	ug/L	10.0	ND	90	60-120			
cis-1,3-Dichloropropene	8.6	1.0	ug/L	10.0	ND	86	60-120			
trans-1,3-Dichloropropene	8.3	1.0	ug/L	10.0	ND	83	60-120			
Ethylbenzene	10.2	1.0	ug/L	10.0	ND	102	60-120			
2-Hexanone	8.5	5.0	ug/L	10.0	ND	85	60-120			
Methyl tert-butyl ether (MTBE)	8.7	1.0	ug/L	10.0	ND	87	60-120			
4-Methyl-2-pentanone	9.0	5.0	ug/L	10.0	ND	90	60-120			
Methylene chloride	9.4	1.0	ug/L	10.0	ND	94	60-120			
Methyl methacrylate	8.3	5.0	ug/L	10.0	ND	83	60-120			
Styrene	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,1,1,2-Tetrachloroethane	9.2	1.0	ug/L	10.0	ND	92	60-120			
1,1,2,2-Tetrachloroethane	9.5	1.0	ug/L	10.0	ND	95	60-120			
Tetrachloroethene	8.7	1.0	ug/L	10.0	ND	87	60-120			
Toluene	10.0	1.0	ug/L	10.0	ND	100	60-120			
1,1,1-Trichloroethane	9.4	1.0	ug/L	10.0	ND	94	60-120			
1,1,2-Trichloroethane	9.5	1.0	ug/L	10.0	ND	95	60-120			
Trichloroethene	9.3	1.0	ug/L	10.0	ND	93	60-120			
Trichlorofluoromethane (Freon 11)	9.6	1.0	ug/L	10.0	ND	96	60-120			
1,2,3-Trichloropropane	9.1	1.0	ug/L	10.0	ND	91	60-120			
Vinyl acetate	6.3	1.0	ug/L	10.0	ND	63	60-120			
Vinyl chloride	9.0	1.0	ug/L	10.0	ND	90	60-120			
o-Xylene	9.5	1.0	ug/L	10.0	ND	95	60-120			
m- & p-Xylenes	19.8	1.0	ug/L	20.0	ND	99	60-120			
Surrogate: 1,2-Dichloroethane-d4	49.48		ug/L	50.0		99	70-130			
Surrogate: Toluene-d8	50.84		ug/L	50.0		102	75-120			
Surrogate: 4-Bromofluorobenzene	48.68		ug/L	50.0		97	75-120			

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

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

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

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	50.92			ug/L	50.0		102	70-130		
Surrogate: Toluene-d8	49.44			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	49.64			ug/L	50.0		99	75-120		

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Acetone	8.8		5.0	ug/L	10.0		88	50-150		
Benzene	5.0		1.0	ug/L	5.00		100	50-150		
Bromochloromethane	4.9		1.0	ug/L	5.00		97	50-150		
Bromodichloromethane	4.8		1.0	ug/L	5.00		96	50-150		
Bromoform	4.2		1.0	ug/L	5.00		84	50-150		
Bromomethane	5.6		1.0	ug/L	5.00		112	50-150		
2-Butanone (MEK)	9.2		5.0	ug/L	10.0		92	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.00		108	50-150		
Carbon tetrachloride	4.7		1.0	ug/L	5.00		95	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
Chloroethane	5.6		1.0	ug/L	5.00		112	50-150		
Chloroform	4.8		1.0	ug/L	5.00		95	50-150		
Chloromethane	5.0		1.0	ug/L	5.00		101	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		90	50-150		
1,2-Dibromo-3-chloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.00		94	50-150		
Dibromomethane	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichlorobenzene	5.0		1.0	ug/L	5.00		101	50-150		
1,4-Dichlorobenzene	5.0		1.0	ug/L	5.00		100	50-150		
1,1-Dichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.00		97	50-150		
cis-1,2-Dichloroethene	4.7		1.0	ug/L	5.00		94	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		97	50-150		
2,2-Dichloropropane	4.8		1.0	ug/L	5.00		96	50-150		
1,1-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.00		89	50-150		
trans-1,3-Dichloropropene	4.8		1.0	ug/L	5.00		96	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.00		102	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

2-Hexanone	9.5		5.0	ug/L	10.0		95	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.00		97	50-150		
4-Methyl-2-pentanone	9.3		5.0	ug/L	10.0		93	50-150		
Methylene chloride	5.8		1.0	ug/L	5.00		117	0-200		
Methyl methacrylate	4.6	J	5.0	ug/L	5.00		92	50-150		
Styrene	4.8		1.0	ug/L	5.00		95	50-150		
1,1,1,2-Tetrachloroethane	4.5		1.0	ug/L	5.00		91	50-150		
1,1,2,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.00		100	50-150		
Toluene	4.8		1.0	ug/L	5.00		96	50-150		
1,1,1-Trichloroethane	4.7		1.0	ug/L	5.00		95	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Trichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
Trichlorofluoromethane (Freon 11)	5.1		1.0	ug/L	5.00		103	50-150		
1,2,3-Trichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		80	50-150		
Vinyl chloride	5.2		1.0	ug/L	5.00		105	50-150		
o-Xylene	5.0		1.0	ug/L	5.00		101	50-150		
m- & p-Xylenes	9.8		1.0	ug/L	10.0		98	50-150		
Surrogate: 1,2-Dichloroethane-d4	50.43			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	49.79			ug/L	50.0		100	75-120		
Surrogate: 4-Bromofluorobenzene	50.69			ug/L	50.0		101	75-120		

Duplicate (B103547-DUP1)

Source: 1033031-02

Prepared & Analyzed: 03/31/21

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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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)	Source: 1033031-02	Prepared & Analyzed: 03/31/21		
2-Butanone (MEK)	ND	5.0 ug/L	ND	20
Carbon disulfide	ND	1.0 ug/L	ND	20
Carbon tetrachloride	ND	1.0 ug/L	ND	20
Chlorobenzene	ND	1.0 ug/L	ND	20
Chloroethane	ND	1.0 ug/L	ND	20
Chloroform	ND	1.0 ug/L	ND	20
Chloromethane	ND	1.0 ug/L	ND	20
Chloroprene	ND	1.0 ug/L	ND	20
Dibromochloromethane	ND	1.0 ug/L	ND	20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20
Dibromomethane	ND	1.0 ug/L	ND	20
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	20
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)	Source: 1033031-02	Prepared & Analyzed: 03/31/21			
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	50.75	ug/L	50.0	102	70-130
Surrogate: Toluene-d8	49.76	ug/L	50.0	100	75-120
Surrogate: 4-Bromofluorobenzene	50.05	ug/L	50.0	100	75-120

Matrix Spike (B103547-MS1)	Source: 1033031-03	Prepared & Analyzed: 03/31/21				
Acetone	12.9	5.0 ug/L	10.0	1.1	118	60-120
Benzene	11.0	1.0 ug/L	10.0	ND	110	60-120
Bromochloromethane	11.2	1.0 ug/L	10.0	ND	112	60-120
Bromodichloromethane	10.5	1.0 ug/L	10.0	ND	105	60-120
Bromoform	9.9	1.0 ug/L	10.0	ND	99	60-120
Bromomethane	1.6	1.0 ug/L	10.0	ND	16	60-120
2-Butanone (MEK)	10.7	5.0 ug/L	10.0	ND	107	60-120
Carbon disulfide	10.2	1.0 ug/L	10.0	ND	102	60-120
Carbon tetrachloride	10.8	1.0 ug/L	10.0	ND	108	60-120

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

Matrix Spike (B103547-MS1)	Source: 1033031-03			Prepared & Analyzed: 03/31/21						
Chlorobenzene	10.5		1.0	ug/L	10.0	ND	105	60-120		
Chloroethane	13.3		1.0	ug/L	10.0	ND	133	60-120		
Chloroform	11.5		1.0	ug/L	10.0	ND	115	60-120		
Chloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
Dibromochloromethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,2-Dibromo-3-chloropropane	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,2-Dibromoethane (EDB)	10.5		1.0	ug/L	10.0	ND	105	60-120		
Dibromomethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,2-Dichlorobenzene	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,4-Dichlorobenzene	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,1-Dichloroethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,2-Dichloroethane	10.9		1.0	ug/L	10.0	ND	109	60-120		
1,1-Dichloroethene	10.4		1.0	ug/L	10.0	ND	104	60-120		
cis-1,2-Dichloroethene	15.9		1.0	ug/L	10.0	4.9	110	60-120		
trans-1,2-Dichloroethene	10.3		1.0	ug/L	10.0	ND	103	60-120		
1,2-Dichloropropane	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,3-Dichloropropane	10.8		1.0	ug/L	10.0	ND	108	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.0	ND	87	60-120		
1,1-Dichloropropene	9.8		1.0	ug/L	10.0	ND	98	60-120		
cis-1,3-Dichloropropene	10.0		1.0	ug/L	10.0	ND	100	60-120		
trans-1,3-Dichloropropene	9.6		1.0	ug/L	10.0	ND	96	60-120		
Ethylbenzene	10.2		1.0	ug/L	10.0	ND	102	60-120		
2-Hexanone	10.0		5.0	ug/L	10.0	ND	100	60-120		
Methyl tert-butyl ether (MTBE)	10.7		1.0	ug/L	10.0	ND	107	60-120		
4-Methyl-2-pentanone	10.2		5.0	ug/L	10.0	ND	102	60-120		
Methylene chloride	9.9		1.0	ug/L	10.0	ND	99	60-120		
Methyl methacrylate	10.0		5.0	ug/L	10.0	ND	100	60-120		
Styrene	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,1,1,2-Tetrachloroethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,1,2,2-Tetrachloroethane	10.3		1.0	ug/L	10.0	ND	103	60-120		
Tetrachloroethene	16.4		1.0	ug/L	10.0	7.5	89	60-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103547 - GCMS-WATER-VOLATILES

Matrix Spike (B103547-MS1)	Source: 1033031-03	Prepared & Analyzed: 03/31/21
Toluene	10.1	1.0 ug/L 10.0 ND 101 60-120
1,1,1-Trichloroethane	10.8	1.0 ug/L 10.0 ND 108 60-120
1,1,2-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120
Trichloroethene	13.8	1.0 ug/L 10.0 3.5 104 60-120
Trichlorofluoromethane (Freon 11)	10.7	1.0 ug/L 10.0 ND 107 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.0 ND 101 60-120
Vinyl acetate	9.2	1.0 ug/L 10.0 ND 92 60-120
Vinyl chloride	10.2	1.0 ug/L 10.0 ND 102 60-120
o-Xylene	10.2	1.0 ug/L 10.0 ND 102 60-120
m- & p-Xylenes	19.6	1.0 ug/L 20.0 ND 98 60-120
Surrogate: 1,2-Dichloroethane-d4	50.66	ug/L 50.0 101 70-130
Surrogate: Toluene-d8	49.56	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	50.68	ug/L 50.0 101 75-120



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103501 - 504.1 EDB/DBCP										
Blank (B103501-BLK1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103501-BLK2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B103501-BS1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	0.092		0.050	ug/L	0.100		92	50-150		
1,2-Dibromoethane (EDB)	0.103		0.020	ug/L	0.100		103	50-150		
LCS (B103501-BS2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	0.091		0.050	ug/L	0.100		91	50-150		
1,2-Dibromoethane (EDB)	0.100		0.020	ug/L	0.100		100	50-150		
Matrix Spike (B103501-MS1)					Source: 1032218-09		Prepared & Analyzed: 03/29/21			
1,2-Dibromo-3-chloropropane	0.264		0.047	ug/L	0.235	ND	113	50-150		
1,2-Dibromoethane (EDB)	0.293		0.019	ug/L	0.235	ND	125	50-150		
Matrix Spike (B103501-MS2)					Source: 1032313-07		Prepared: 03/29/21 Analyzed: 03/30/21			
1,2-Dibromo-3-chloropropane	0.247		0.047	ug/L	0.235	ND	105	50-150		
1,2-Dibromoethane (EDB)	0.255		0.019	ug/L	0.235	ND	109	50-150		
Reference (B103501-SRM1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	0.023		0.050	ug/L	0.0200		115	0-200		
1,2-Dibromoethane (EDB)	0.021		0.020	ug/L	0.0200		107	0-200		
Reference (B103501-SRM2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.021		0.020	ug/L	0.0200		103	0-200		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103385 - 3010A-Metals Digestion

Blank (B103385-BLK1)

Prepared: 03/23/21 Analyzed: 03/24/21

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	1.37	B	1.00	ug/L						
Iron	20.7	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 (B103385-BS1)

Prepared: 03/23/21 Analyzed: 03/24/21

Antimony	46.7		1.00	ug/L	50.0		93	80-120		
Arsenic	50.1		1.00	ug/L	50.0		100	80-120		
Barium	49.2		1.00	ug/L	50.0		98	80-120		
Beryllium	48.3		1.00	ug/L	50.0		97	80-120		
Cadmium	48.8		1.00	ug/L	50.0		98	80-120		
Calcium	5240		80.0	ug/L	5000		105	80-120		
Chromium	49.7		1.00	ug/L	50.0		99	80-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103385 - 3010A-Metals Digestion

LCS (B103385-BS1)

Prepared: 03/23/21 Analyzed: 03/24/21

Cobalt	51.6		1.00	ug/L	50.0		103	80-120		
Copper	53.0	B	1.00	ug/L	50.0		106	80-120		
Iron	5160		100	ug/L	5000		103	80-120		
Lead	49.8		1.00	ug/L	50.0		100	80-120		
Magnesium	5070		100	ug/L	5000		101	80-120		
Manganese	51.8		1.00	ug/L	50.0		104	80-120		
Mercury	2.36		0.100	ug/L	2.50		94	80-120		
Nickel	52.3		1.00	ug/L	50.0		105	80-120		
Potassium	5200		100	ug/L	5000		104	80-120		
Selenium	50.8		1.00	ug/L	50.0		102	80-120		
Silver	49.5		1.00	ug/L	50.0		99	80-120		
Sodium	5150		100	ug/L	5000		103	80-120		
Thallium	52.0		1.00	ug/L	50.0		104	80-120		
Vanadium	49.3		1.00	ug/L	50.0		99	80-120		
Zinc	105		4.00	ug/L	100		105	80-120		

Duplicate (B103385-DUP1)

Source: 1032218-01

Prepared: 03/23/21 Analyzed: 03/24/21

Hardness as CaCO3	306000		500	ug/L		299000			2	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	68.1		1.00	ug/L		66.5			2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	72300		80.0	ug/L		70600			2	200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	ND		1.00	ug/L		ND				200
Copper	2.58	B	1.00	ug/L		2.35			9	200
Iron	23.4	J	100	ug/L		13.9			51	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	30500		100	ug/L		29800			2	200
Manganese	34.4		1.00	ug/L		33.5			3	200
Mercury	0.266		0.100	ug/L		0.259			3	200

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103385 - 3010A-Metals Digestion

Duplicate (B103385-DUP1)		Source: 1032218-01		Prepared: 03/23/21		Analyzed: 03/24/21		
Nickel	2.20		1.00	ug/L	2.06		7	200
Potassium	3360		100	ug/L	3300		2	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	18700		100	ug/L	18500		1	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	4.62		4.00	ug/L	4.38		5	200

Matrix Spike (B103385-MS1)		Source: 1032218-01		Prepared: 03/23/21		Analyzed: 03/24/21		
Antimony	48.1		1.00	ug/L	50.0	ND	96	60-140
Arsenic	50.3		1.00	ug/L	50.0	ND	101	60-140
Barium	118		1.00	ug/L	50.0	66.5	104	60-140
Beryllium	48.2		1.00	ug/L	50.0	ND	96	60-140
Cadmium	49.1		1.00	ug/L	50.0	ND	98	60-140
Calcium	77300		80.0	ug/L	5000	70600	134	60-140
Chromium	49.6		1.00	ug/L	50.0	ND	99	60-140
Cobalt	49.4		1.00	ug/L	50.0	ND	99	60-140
Copper	52.8	B	1.00	ug/L	50.0	2.35	101	60-140
Iron	5160		100	ug/L	5000	13.9	103	60-140
Lead	49.4		1.00	ug/L	50.0	ND	99	60-140
Magnesium	35400		100	ug/L	5000	29800	111	60-140
Manganese	85.7		1.00	ug/L	50.0	33.5	104	60-140
Mercury	2.72		0.100	ug/L	2.50	0.259	98	60-140
Nickel	51.1		1.00	ug/L	50.0	2.06	98	60-140
Potassium	8450		100	ug/L	5000	3300	103	60-140
Selenium	50.6		1.00	ug/L	50.0	ND	101	60-140
Silver	48.8		1.00	ug/L	50.0	ND	98	60-140
Sodium	23800		100	ug/L	5000	18500	106	60-140
Thallium	52.6		1.00	ug/L	50.0	ND	105	60-140
Vanadium	49.9		1.00	ug/L	50.0	ND	100	60-140
Zinc	104		4.00	ug/L	100	4.38	100	60-140

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103387 - COD (03) Prep										
Blank (B103387-BLK1)					Prepared & Analyzed: 03/23/21					
COD	ND		3.0	mg/L						
LCS (B103387-BS1)					Prepared & Analyzed: 03/23/21					
COD	51.0		3.0	mg/L	50.0		102	90-110		
Duplicate (B103387-DUP1)					Source: 1032218-01 Prepared & Analyzed: 03/23/21					
COD	6.1		3.0	mg/L		ND			18	20
Matrix Spike (B103387-MS1)					Source: 1032218-01 Prepared & Analyzed: 03/23/21					
COD	54.6		3.0	mg/L	50.0	ND	109	90-110		
Batch B103427 - COD (03) Prep										
Blank (B103427-BLK1)					Prepared & Analyzed: 03/24/21					
COD	ND		3.0	mg/L						
LCS (B103427-BS1)					Prepared & Analyzed: 03/24/21					
COD	49.3		3.0	mg/L	50.0		99	90-110		
Duplicate (B103427-DUP1)					Source: 1032303-01 Prepared & Analyzed: 03/24/21					
COD	9.5		3.0	mg/L		11.4			18	20
Matrix Spike (B103427-MS1)					Source: 1032303-01 Prepared & Analyzed: 03/24/21					
COD	58.4		3.0	mg/L	50.0	11.4	94	90-110		

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Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Conductivity by SM2510 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103390 - Conductivity

Duplicate (B103390-DUP1)		Source: 1032218-01		Prepared & Analyzed: 03/23/21						
Conductivity	796			uS/cm		800			0.4	200
Duplicate (B103390-DUP2)		Source: 1032218-11		Prepared & Analyzed: 03/23/21						
Conductivity	1190			uS/cm		1190			0	200



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103397 - 300.0 Anions Prep

Blank (B103397-BLK1)

Prepared & Analyzed: 03/23/21

Sulfate	ND		0.3	mg/L						
Nitrate (as N)	0.00			mg/L						
Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						

Blank (B103397-BLK2)

Prepared: 03/23/21 Analyzed: 03/24/21

Sulfate	ND		0.3	mg/L						
Nitrate (as N)	0.00			mg/L						
Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						

LCS (B103397-BS1)

Prepared & Analyzed: 03/23/21

Chloride	3.86		0.500	mg/L	4.00		96	80-120		
Sulfate	3.9		0.3	mg/L	4.00		98	80-120		
Nitrate (as N)	0.836			mg/L				80-120		
Nitrate	3.80		0.050	mg/L	4.00		95	80-120		

LCS (B103397-BS2)

Prepared: 03/23/21 Analyzed: 03/24/21

Nitrate (as N)	0.812			mg/L				80-120		
Sulfate	3.7		0.3	mg/L	4.00		93	80-120		
Chloride	3.75		0.500	mg/L	4.00		94	80-120		
Nitrate	3.69		0.050	mg/L	4.00		92	80-120		

Duplicate (B103397-DUP1)

Source: 1032218-01

Prepared & Analyzed: 03/23/21

Sulfate	20.1		0.3	mg/L		20.0		0.5	200	
Nitrate (as N)	4.99			mg/L		4.98		0.2	200	
Chloride	108		0.500	mg/L		108		0.1	200	
Nitrate	22.7		0.050	mg/L		22.6		0.2	200	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103397 - 300.0 Anions Prep

Duplicate (B103397-DUP2) Source: 1032313-01 Prepared: 03/23/21 Analyzed: 03/24/21

Chloride	123		0.500	mg/L		123			0.002	200
Nitrate (as N)	0.078			mg/L		0.076			2	200
Sulfate	33.7		0.3	mg/L		33.7			0.1	200
Nitrate	0.354		0.050	mg/L		0.347			2	200

Matrix Spike (B103397-MS1) Source: 1032218-01 Prepared & Analyzed: 03/23/21

Sulfate	23.8		0.3	mg/L	4.00	20.0	95	80-120		
Nitrate (as N)	5.83			mg/L		4.98		80-120		
Chloride	111	QM-4X	0.500	mg/L	4.00	108	71	80-120		
Nitrate	26.5		0.050	mg/L	4.00	22.6	97	80-120		

Matrix Spike (B103397-MS2) Source: 1032313-01 Prepared: 03/23/21 Analyzed: 03/24/21

Nitrate (as N)	0.852			mg/L		0.076		80-120		
Sulfate	37.2		0.3	mg/L	4.00	33.7	88	80-120		
Chloride	125	QM-4X	0.500	mg/L	4.00	123	68	80-120		
Nitrate	3.87		0.050	mg/L	4.00	0.347	88	80-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

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 B103395 - TSS PREP										
Blank (B103395-BLK1)					Prepared: 03/23/21 Analyzed: 03/24/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B103395-BS1)					Prepared: 03/23/21 Analyzed: 03/24/21					
Solids, Suspended	57.7		2.5	mg/L	55.6		104	70-130		
Duplicate (B103395-DUP1)			Source: 1031917-01			Prepared: 03/23/21 Analyzed: 03/24/21				
Solids, Suspended	26.6		4.7	mg/L		43.7			49	20



Will Brewington, President

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

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:
04/01/21 15:53

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103408 - TDS Prep										
Blank (B103408-BLK1)					Prepared: 03/24/21 Analyzed: 03/25/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B103408-BS1)					Prepared: 03/24/21 Analyzed: 03/25/21					
Solids, Dissolved	735		10.0	mg/L	771		95	90-110		
Duplicate (B103408-DUP1)			Source: 1032218-01			Prepared: 03/24/21 Analyzed: 03/25/21				
Solids, Dissolved	529		10.0	mg/L		496			7	20



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1C0200 - No Prep WC										
Blank (B1C0200-BLK1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1C0200-BS1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	2.02		0.10	mg/L	2.00		101	90-110		
Duplicate (B1C0200-DUP1)					Source: 1032218-01		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
Matrix Spike (B1C0200-MS1)					Source: 1032218-01		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	1.85		0.10	mg/L	2.00	ND	92.3	90-110		



Will Brewington, President

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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:
04/01/21 15:53

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1C0203 - No Prep WC

LCS (B1C0203-BS1)

Prepared & Analyzed: 03/26/21

Alkalinity as CaCO3	105		1.0	mg/L				90-110		
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Duplicate (B1C0203-DUP1)

Source: 1032218-01

Prepared & Analyzed: 03/26/21

Alkalinity as CaCO3	192		1.0	mg/L		194			1.24	20
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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/01/21 15:53

Notes and Definitions


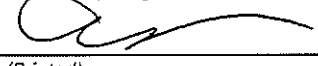
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QC-6 Sample was originally analyzed within hold time. Reanalysis was performed outside of recommended hold time and the reanalysis has been reported.
- 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.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- B Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- 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



Will Brewington, President

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

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD					
Project Name: Gude Landfill		Project ID: 15510404		No. of Containers 8 260LL VOC + BOD 8 6020 NDE Landfill Oxide 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. Scams		P.O. Number:												Matrix Codes: NW (non-potable water), DW (drinking water)					
Field Sample ID	Date	Time	DW	Water	Soil	Other	No. of Containers									Preservative	Field Notes	MSS Lab ID	
MW-13B	3/22/21	0810		X			11	X	X	X	X	X	X	X		HCl, H ₂ SO ₄ , HNO ₃		1032218-01	
MW-13A		0945		X														-02	
OB04		1055		X														-03	
OB04A		1138		X														-04	
OB105		1215		X														-05	
MW-16B		1315		X														-06	
MW-16A		1358		X														-07	
OB03A		1442		X														-08	
OB03		1505		X														-09	
MW-8		1535		X														-10	
Relinquished by: (Signature) 		Date/Time 3/22/21 1715		Received by: (Signature) 		Relinquished by: (Signature)		Date/Time		Received by: (Signature)									
(Printed)				(Printed)		(Printed)				(Printed)									
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)		Turn Around Time:		Lab Use:											
(Printed)				(Printed)		<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: 22°C		<input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day									
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS 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					
Project Name: Grude Landfill		Project ID: 1556404		No. of Containers 8260U VOC & 8011 6000 MDE Landfill LST On-line Nitrate Station Ammonia 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. Szanski		P.O. Number:												Matrix Codes: NW (non-potable water), DW (drinking water)					
Field Sample ID	Date	Time	DW	Water	Soil	Other											Preservative	Field Notes	MSS Lab ID
ST-120	3/22/21	1005		X			11	X	X	X	X	X	X	X	X	X	X	Hei, H ₂ SO ₄ , HNO ₃	1032218-11
Dup-0830	↓	—		X			11	X	X	X	X	X	X	X	X	X	X	↓	-12
Relinquished by: (Signature) 		Date/Time 3/22/21		Received by: (Signature) 		Relinquished by: (Signature)		Date/Time		Received by: (Signature)		(Printed)		(Printed)		(Printed)		(Printed)	
(Printed)		1715		Admin		(Printed)		(Printed)		(Printed)		(Printed)		(Printed)		(Printed)		(Printed)	
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)		Turn Around Time:		Lab Use:		Temp: 22 °C		<input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day		Sample Disposal:		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ___ days			
(Printed)		(Printed)		(Printed)		<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: _____		(Printed)		(Printed)		(Printed)		(Printed)		(Printed)			
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:							

**SUBCONTRACT ORDER
Maryland Spectral Services**

1032218

66455
Auto-log Sent
Date/Initial
3/22/21 / Am

Page 91 of 93

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 03/29/21

Sample ID	Location	Water	Sampled	Laboratory ID	Comments
1032218-01	MW-13B	Water	03/22/21 08:10		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)					
1032218-02	MW-13A	Water	03/22/21 09:15		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)					
1032218-03	0B04	Water	03/22/21 10:55		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)					
1032218-04	0B04A	Water	03/22/21 11:38		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)					

10:52 3-25-21

Released By	Date	Received By	Date
<i>Mad</i>		FRD	3-25-21 11:36
Released By	Date	Received By	Date

66455

SUBCONTRACT ORDER
Maryland Spectral Services

1032218

Due 4:00 PM 03/29/21

Laboratory ID

Comments

Sample ID: 1032218-05 0B105 Water Sampled:03/22/21 12:15

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

Sample ID: 1032218-06 MW-16B Water Sampled:03/22/21 13:15

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

Sample ID: 1032218-07 MW-16A Water Sampled:03/22/21 13:58

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

Sample ID: 1032218-08 0B03A Water Sampled:03/22/21 14:42

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

Sample ID: 1032218-09 0B03 Water Sampled:03/22/21 15:05

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

10:52

3-25-21

Released By Date

Received By Date

Released By Date

Received By Date

**SUBCONTRACT ORDER
Maryland Spectral Services**

606 455

1032218

Due 4:00 PM 03/29/21

Laboratory ID

Comments

Sample ID: 1032218-10 MW-8 Water Sampled:03/22/21 15:35

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

Sample ID: 1032218-11 ST-120 Water Sampled:03/22/21 10:05

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

Sample ID: 1032218-12 DUP-0B30 Water Sampled:03/22/21 00:00

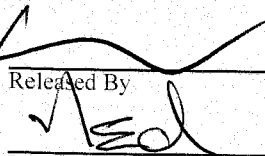
Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.5L None (G) Plastic, 0.25L H2SO4 (H)

10:52

3-25-21

Released By	Date	Received By	Date
		FRD	3-25-21 11:36
Released By	Date	Received By	Date

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06 April 2021

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 03/23/21 16:37.

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,



Rabecka Koons
Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/06/21 12:25

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-22B		1032313-01	Nonpotable Water	03/23/21 08:48	03/23/21 16:37
MW-22A		1032313-02	Nonpotable Water	03/23/21 09:29	03/23/21 16:37
MW-3B		1032313-03	Nonpotable Water	03/23/21 10:30	03/23/21 16:37
MW-3A		1032313-04	Nonpotable Water	03/23/21 11:13	03/23/21 16:37
MW-19B		1032313-05	Nonpotable Water	03/23/21 13:02	03/23/21 16:37
MW-19A		1032313-06	Nonpotable Water	03/23/21 13:37	03/23/21 16:37
MW-1B		1032313-07	Nonpotable Water	03/23/21 12:20	03/23/21 16:37
MW-6		1032313-08	Nonpotable Water	03/23/21 14:35	03/23/21 16:37
OB01		1032313-09	Nonpotable Water	03/23/21 15:20	03/23/21 16:37



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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22B

1032313-01 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	7.34		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	10.5		NTU	0.500	0.110	1	03/24/21	03/24/21 16:52	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:29	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:29	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:29	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22B

1032313-01 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 15:29	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:29	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:29	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 15:29	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:29	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:29	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:29	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %	03/29/21		03/29/21 15:29		
Surrogate: Toluene-d8			75-120	99 %	03/29/21		03/29/21 15:29		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	03/29/21		03/29/21 15:29		

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Rabecka Koons

Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22B

**1032313-01 (Nonpotable Water)
Sample Date: 03/23/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 06:22	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 06:22	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	304000		ug/L	500	500	1	03/24/21	03/25/21 11:49	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Arsenic	4.29		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Barium	29.5		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Calcium	81100		ug/L	80.0	80.0	1	03/24/21	03/25/21 11:49	CWK
Chromium	1.78		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Copper	3.41		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Iron	1460		ug/L	100	5.00	1	03/24/21	03/25/21 11:49	CWK
Lead	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Magnesium	24700		ug/L	100	100	1	03/24/21	03/25/21 11:49	CWK
Manganese	234		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/24/21	03/25/21 11:49	CWK
Nickel	3.81		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Potassium	6420		ug/L	100	100	1	03/24/21	03/25/21 11:49	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Sodium	45000		ug/L	100	100	1	03/24/21	03/25/21 11:49	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:49	CWK
Zinc	6.35		ug/L	4.00	4.00	1	03/24/21	03/25/21 11:49	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22B

1032313-01 (Nonpotable Water)
Sample Date: 03/23/21

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	3.3		mg/L	3.0	3.0	1	03/29/21	03/29/21 14:07	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	935		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	123		mg/L	0.500	0.500	1	03/23/21	03/24/21 01:40	VVD
Nitrate (as N)	0.076		mg/L			1	03/23/21	03/24/21 01:40	VVD
Sulfate	33.7		mg/L	0.3	0.3	1	03/23/21	03/24/21 01:40	VVD
Nitrate	0.347		mg/L	0.050	0.050	1	03/23/21	03/24/21 01:40	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	10.4		mg/L	5.4	5.4	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	556		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 11:54	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	254		mg/L	1.0	1.0	1	03/26/21	03/26/21 13:00	FRD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22A

**1032313-02 (Nonpotable Water)
Sample Date: 03/23/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.58		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	52.7		NTU	5.00	1.10	10	03/24/21	03/24/21 17:00	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:52	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:52	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:52	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
cis-1,2-Dichloroethene	4.8		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22A

**1032313-02 (Nonpotable Water)
Sample Date: 03/23/21**

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	03/29/21	03/29/21 15:52	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:52	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:52	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 15:52	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:52	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 15:52	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Trichloroethene	3.7		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 15:52	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %			03/29/21	03/29/21 15:52	
Surrogate: Toluene-d8			75-120	98 %			03/29/21	03/29/21 15:52	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			03/29/21	03/29/21 15:52	

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22A

**1032313-02 (Nonpotable Water)
Sample Date: 03/23/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 06:41	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 06:41	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	380000		ug/L	500	500	1	03/24/21	03/25/21 11:52	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Arsenic	1.62		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Barium	25.7		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Calcium	96200		ug/L	80.0	80.0	1	03/24/21	03/25/21 11:52	CWK
Chromium	6.19		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Cobalt	1.59		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Copper	3.88		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Iron	9330		ug/L	100	5.00	1	03/24/21	03/25/21 11:52	CWK
Lead	2.92		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Magnesium	33800		ug/L	100	100	1	03/24/21	03/25/21 11:52	CWK
Manganese	1240		ug/L	5.00	5.00	5	03/24/21	03/25/21 12:41	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/24/21	03/25/21 11:52	CWK
Nickel	5.64		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Potassium	4900		ug/L	100	100	1	03/24/21	03/25/21 11:52	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Sodium	75900		ug/L	100	100	1	03/24/21	03/25/21 11:52	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Vanadium	1.77		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:52	CWK
Zinc	5.83		ug/L	4.00	4.00	1	03/24/21	03/25/21 11:52	CWK

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-22A

1032313-02 (Nonpotable Water)
Sample Date: 03/23/21

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	9.9		mg/L	3.0	3.0	1	03/29/21	03/29/21 14:08	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1220		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	147		mg/L	0.500	0.500	1	03/23/21	03/24/21 02:34	VVD
Nitrate (as N)	0.126		mg/L			1	03/23/21	03/24/21 02:34	VVD
Sulfate	37.5		mg/L	0.3	0.3	1	03/23/21	03/24/21 02:34	VVD
Nitrate	0.572		mg/L	0.050	0.050	1	03/23/21	03/24/21 02:34	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	55.2		mg/L	3.2	3.2	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	729		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:00	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	377		mg/L	4.0	4.0	4	03/26/21	03/29/21 13:37	FRD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3B

1032313-03 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.53		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.88		NTU	0.500	0.110	1	03/24/21	03/24/21 17:02	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:15	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:15	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:15	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Chloroform	1.2		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3B

1032313-03 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 16:15	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:15	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:15	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 16:15	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:15	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:15	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:15	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	03/29/21		03/29/21 16:15		
Surrogate: Toluene-d8			75-120	98 %	03/29/21		03/29/21 16:15		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	03/29/21		03/29/21 16:15		

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3B

**1032313-03 (Nonpotable Water)
Sample Date: 03/23/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 07:01	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 07:01	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	16300		ug/L	500	500	1	03/24/21	03/25/21 11:54	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Barium	7.01		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Calcium	3680		ug/L	80.0	80.0	1	03/24/21	03/25/21 11:54	CWK
Chromium	1.07		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Copper	2.79		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Iron	234		ug/L	100	5.00	1	03/24/21	03/25/21 11:54	CWK
Lead	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Magnesium	1740		ug/L	100	100	1	03/24/21	03/25/21 11:54	CWK
Manganese	16.9		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/24/21	03/25/21 11:54	CWK
Nickel	1.50		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Potassium	957		ug/L	100	100	1	03/24/21	03/25/21 11:54	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Sodium	4530		ug/L	100	100	1	03/24/21	03/25/21 11:54	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:54	CWK
Zinc	13.7		ug/L	4.00	4.00	1	03/24/21	03/25/21 11:54	CWK

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3B

1032313-03 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 14:08	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	54.1		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	2.84		mg/L	0.500	0.500	1	03/23/21	03/24/21 02:53	VVD
Nitrate (as N)	0.143		mg/L			1	03/23/21	03/24/21 02:53	VVD
Sulfate	0.9		mg/L	0.3	0.3	1	03/23/21	03/24/21 02:53	VVD
Nitrate	0.652		mg/L	0.050	0.050	1	03/23/21	03/24/21 02:53	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	9.1		mg/L	2.3	2.3	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	46.5		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:07	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	21.1		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3A

1032313-04 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.06		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	50.4		NTU	5.00	1.10	10	03/24/21	03/24/21 17:14	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:38	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:38	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:38	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Chloroform	1.7		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3A

1032313-04 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 16:38	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:38	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:38	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 16:38	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:38	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 16:38	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 16:38	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %			03/29/21	03/29/21 16:38	
Surrogate: Toluene-d8			75-120	99 %			03/29/21	03/29/21 16:38	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			03/29/21	03/29/21 16:38	

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3A

**1032313-04 (Nonpotable Water)
Sample Date: 03/23/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 07:20	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 07:20	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	22800		ug/L	500	500	1	03/24/21	03/25/21 11:57	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Barium	11.4		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Calcium	5340		ug/L	80.0	80.0	1	03/24/21	03/25/21 11:57	CWK
Chromium	4.68		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Cobalt	1.81		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Copper	6.22		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Iron	2910		ug/L	100	5.00	1	03/24/21	03/25/21 11:57	CWK
Lead	1.48		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Magnesium	2300		ug/L	100	100	1	03/24/21	03/25/21 11:57	CWK
Manganese	76.5		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/24/21	03/25/21 11:57	CWK
Nickel	3.77		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Potassium	1520		ug/L	100	100	1	03/24/21	03/25/21 11:57	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Sodium	3380		ug/L	100	100	1	03/24/21	03/25/21 11:57	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Vanadium	3.83		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:57	CWK
Zinc	14.0		ug/L	4.00	4.00	1	03/24/21	03/25/21 11:57	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-3A

1032313-04 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 14:09	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	58.7		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	2.82		mg/L	0.500	0.500	1	03/23/21	03/24/21 03:11	VVD
Nitrate (as N)	0.054		mg/L			1	03/23/21	03/24/21 03:11	VVD
Sulfate	1.3		mg/L	0.3	0.3	1	03/23/21	03/24/21 03:11	VVD
Nitrate	0.244		mg/L	0.050	0.050	1	03/23/21	03/24/21 03:11	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	92.9		mg/L	5.6	5.6	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	50.5		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:13	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	22.7		mg/L	2.0	2.0	2	03/26/21	03/29/21 13:37	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19B

1032313-05 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.00		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.90		NTU	0.500	0.110	1	03/24/21	03/24/21 17:16	VVD
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/29/21	03/30/21 07:39	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 07:39	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	318000		ug/L	500	500	1	03/24/21	03/25/21 11:59	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Barium	34.0		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Calcium	69000		ug/L	80.0	80.0	1	03/24/21	03/25/21 11:59	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Copper	1.47		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Iron	147		ug/L	100	5.00	1	03/24/21	03/25/21 11:59	CWK
Lead	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Magnesium	35400		ug/L	100	100	1	03/24/21	03/25/21 11:59	CWK
Manganese	28.9		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Mercury	0.173		ug/L	0.100	0.100	1	03/24/21	03/25/21 11:59	CWK
Nickel	3.61		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Potassium	2410		ug/L	100	100	1	03/24/21	03/25/21 11:59	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Sodium	22700		ug/L	100	100	1	03/24/21	03/25/21 11:59	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 11:59	CWK
Zinc	ND		ug/L	4.00	4.00	1	03/24/21	03/25/21 11:59	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19B

1032313-05 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 14:09	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	920		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	213		mg/L	0.500	0.500	1	03/23/21	03/24/21 03:29	VVD
Nitrate (as N)	1.39		mg/L			1	03/23/21	03/24/21 03:29	VVD
Sulfate	11.6		mg/L	0.3	0.3	1	03/23/21	03/24/21 03:29	VVD
Nitrate	6.31		mg/L	0.050	0.050	1	03/23/21	03/24/21 03:29	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	5.0		mg/L	2.2	2.2	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	507		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:15	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	102		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19B

1032313-05RE1 (Nonpotable Water)
Sample Date: 03/23/21

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	03/31/21	03/31/21 15:25	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:25	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:25	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Chlorobenzene	1.4		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,1-Dichloroethane	4.5		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
cis-1,2-Dichloroethene	15.6		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19B

1032313-05RE1 (Nonpotable Water)
Sample Date: 03/23/21

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	03/31/21	03/31/21 15:25	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:25	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:25	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 15:25	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:25	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:25	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Tetrachloroethene	2.2		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Trichloroethene	4.6		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:25	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			03/31/21	03/31/21 15:25	
Surrogate: Toluene-d8			75-120	100 %			03/31/21	03/31/21 15:25	
Surrogate: 4-Bromofluorobenzene			75-120	99 %			03/31/21	03/31/21 15:25	

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19A

1032313-06 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.82		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	43.3		NTU	5.00	1.10	10	03/24/21	03/24/21 17:21	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:24	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:24	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:24	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,1-Dichloroethane	2.6		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
cis-1,2-Dichloroethene	6.6		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19A

**1032313-06 (Nonpotable Water)
Sample Date: 03/23/21**

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	03/29/21	03/29/21 17:24	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:24	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:24	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 17:24	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:24	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:24	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Tetrachloroethene	1.8		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Trichloroethene	2.4		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Trichlorofluoromethane (Freon 11)	1.1		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:24	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %			03/29/21	03/29/21 17:24	
Surrogate: Toluene-d8			75-120	98 %			03/29/21	03/29/21 17:24	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			03/29/21	03/29/21 17:24	

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Rabecka Koons

Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19A

1032313-06 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 07:59	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 07:59	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	278000		ug/L	500	500	1	03/24/21	03/25/21 12:02	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Barium	119		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Calcium	45500		ug/L	80.0	80.0	1	03/24/21	03/25/21 12:02	CWK
Chromium	3.18		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Cobalt	13.3		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Copper	9.62		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Iron	3010		ug/L	100	5.00	1	03/24/21	03/25/21 12:02	CWK
Lead	1.43		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Magnesium	39800		ug/L	100	100	1	03/24/21	03/25/21 12:02	CWK
Manganese	1890		ug/L	5.00	5.00	5	03/24/21	03/25/21 12:44	CWK
Mercury	0.469		ug/L	0.100	0.100	1	03/24/21	03/25/21 12:02	CWK
Nickel	12.3		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Potassium	3520		ug/L	100	100	1	03/24/21	03/25/21 12:02	CWK
Selenium	1.12		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Sodium	74400		ug/L	100	100	1	03/24/21	03/25/21 12:02	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Vanadium	3.13		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:02	CWK
Zinc	51.0		ug/L	4.00	4.00	1	03/24/21	03/25/21 12:02	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-19A

1032313-06 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 14:10	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1100		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	290		mg/L	0.500	0.500	1	03/23/21	03/24/21 03:47	VVD
Nitrate (as N)	1.63		mg/L			1	03/23/21	03/24/21 03:47	VVD
Sulfate	14.9		mg/L	0.3	0.3	1	03/23/21	03/24/21 03:47	VVD
Nitrate	7.40		mg/L	0.050	0.050	1	03/23/21	03/24/21 03:47	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	488		mg/L	5.4	5.4	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	647		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.12		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:17	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	59.6		mg/L	4.0	4.0	4	03/26/21	03/29/21 13:37	FRD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-1B

1032313-07 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.23		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	0.578		NTU	0.500	0.110	1	03/24/21	03/24/21 17:26	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:47	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:47	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:47	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-1B

1032313-07 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 17:47	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:47	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:47	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 17:47	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:47	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:47	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:47	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	03/29/21		03/29/21 17:47		
Surrogate: Toluene-d8			75-120	97 %	03/29/21		03/29/21 17:47		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	03/29/21		03/29/21 17:47		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-1B

1032313-07 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 08:18	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 08:18	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	27800		ug/L	500	500	1	03/24/21	03/25/21 12:04	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Barium	1.11		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Calcium	5110		ug/L	80.0	80.0	1	03/24/21	03/25/21 12:04	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Copper	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Iron	44.1	J	ug/L	100	5.00	1	03/24/21	03/25/21 12:04	CWK
Lead	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Magnesium	3660		ug/L	100	100	1	03/24/21	03/25/21 12:04	CWK
Manganese	1.48		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/24/21	03/25/21 12:04	CWK
Nickel	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Potassium	937		ug/L	100	100	1	03/24/21	03/25/21 12:04	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Sodium	7290		ug/L	100	100	1	03/24/21	03/25/21 12:04	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:04	CWK
Zinc	ND		ug/L	4.00	4.00	1	03/24/21	03/25/21 12:04	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-1B

1032313-07 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 14:10	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	87.0		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	2.37		mg/L	0.500	0.500	1	03/23/21	03/24/21 04:05	VVD
Nitrate (as N)	0.157		mg/L			1	03/23/21	03/24/21 04:05	VVD
Sulfate	0.7		mg/L	0.3	0.3	1	03/23/21	03/24/21 04:05	VVD
Nitrate	0.712		mg/L	0.050	0.050	1	03/23/21	03/24/21 04:05	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.1	2.1	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	71.5		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:20	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	41.6		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	FRD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-6

1032313-08 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.00		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	16.9		NTU	0.500	0.110	1	03/24/21	03/24/21 17:30	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:10	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:10	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:10	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Chlorobenzene	8.1		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,4-Dichlorobenzene	4.9		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
cis-1,2-Dichloroethene	2.8		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-6

1032313-08 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 18:10	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:10	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:10	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 18:10	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:10	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:10	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:10	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %			03/29/21	03/29/21 18:10	
Surrogate: Toluene-d8			75-120	99 %			03/29/21	03/29/21 18:10	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			03/29/21	03/29/21 18:10	

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-6

**1032313-08 (Nonpotable Water)
Sample Date: 03/23/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/29/21	03/30/21 08:38	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 08:38	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	462000		ug/L	500	500	1	03/24/21	03/25/21 12:12	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Barium	348		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Calcium	76000		ug/L	80.0	80.0	1	03/24/21	03/25/21 12:12	CWK
Chromium	1.56		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Cobalt	586		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Copper	7.27		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Iron	1860		ug/L	100	5.00	1	03/24/21	03/25/21 12:12	CWK
Lead	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Magnesium	66200		ug/L	100	100	1	03/24/21	03/25/21 12:12	CWK
Manganese	41300		ug/L	50.0	50.0	50	03/24/21	03/25/21 12:46	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/24/21	03/25/21 12:12	CWK
Nickel	78.4		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Potassium	3870		ug/L	100	100	1	03/24/21	03/25/21 12:12	CWK
Selenium	5.32		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Sodium	157000		ug/L	5000	5000	50	03/24/21	03/25/21 12:46	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:12	CWK
Zinc	39.1		ug/L	4.00	4.00	1	03/24/21	03/25/21 12:12	CWK

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

MW-6

1032313-08 (Nonpotable Water)
Sample Date: 03/23/21

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	5.8		mg/L	3.0	3.0	1	03/29/21	03/29/21 14:11	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	2000		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	488		mg/L	0.500	0.500	1	03/23/21	03/24/21 04:23	VVD
Nitrate (as N)	0.076		mg/L			1	03/23/21	03/24/21 04:23	VVD
Sulfate	32.9		mg/L	0.3	0.3	1	03/23/21	03/24/21 04:23	VVD
Nitrate	0.347		mg/L	0.050	0.050	1	03/23/21	03/24/21 04:23	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	135		mg/L	3.5	3.5	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1130		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:22	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	240		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	FRD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

OB01

1032313-09 (Nonpotable Water)
Sample Date: 03/23/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.82		pH Units			1	03/24/21	03/24/21 11:10	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/24/21	03/24/21 17:32	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:34	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:34	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:34	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Chlorobenzene	1.7		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

OB01

1032313-09 (Nonpotable Water)
Sample Date: 03/23/21

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	03/29/21	03/29/21 18:34	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:34	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:34	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 18:34	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:34	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:34	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:34	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	03/29/21		03/29/21 18:34		
Surrogate: Toluene-d8			75-120	99 %	03/29/21		03/29/21 18:34		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	03/29/21		03/29/21 18:34		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

OB01

**1032313-09 (Nonpotable Water)
Sample Date: 03/23/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/29/21	03/30/21 08:57	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 08:57	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	558000		ug/L	500	500	1	03/24/21	03/25/21 12:14	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Barium	316		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Calcium	107000		ug/L	800	800	10	03/24/21	03/25/21 12:49	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Cobalt	8.43		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Copper	5.02		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Iron	29.6	J	ug/L	100	5.00	1	03/24/21	03/25/21 12:14	CWK
Lead	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Magnesium	71600		ug/L	100	100	1	03/24/21	03/25/21 12:14	CWK
Manganese	4330		ug/L	10.0	10.0	10	03/24/21	03/25/21 12:49	CWK
Mercury	0.121		ug/L	0.100	0.100	1	03/24/21	03/25/21 12:14	CWK
Nickel	23.9		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Potassium	4970		ug/L	100	100	1	03/24/21	03/25/21 12:14	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Silver	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Sodium	164000		ug/L	1000	1000	10	03/24/21	03/25/21 12:49	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/24/21	03/25/21 12:14	CWK
Zinc	15.2		ug/L	4.00	4.00	1	03/24/21	03/25/21 12:14	CWK

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

OB01

1032313-09 (Nonpotable Water)
Sample Date: 03/23/21

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	6.1		mg/L	3.0	3.0	1	03/29/21	03/29/21 14:11	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	2270		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	640		mg/L	1.00	1.00	2	03/23/21	03/24/21 22:33	VVD
Nitrate (as N)	1.80		mg/L			1	03/23/21	03/24/21 04:41	VVD
Sulfate	34.8		mg/L	0.3	0.3	1	03/23/21	03/24/21 04:41	VVD
Nitrate	8.17		mg/L	0.050	0.050	1	03/23/21	03/24/21 04:41	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/24/21	03/25/21 12:55	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1260		mg/L	10.0	10.0	1	03/30/21	03/30/21 16:06	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:24	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	107		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/06/21 12:25

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103437 - Turbidity Prep										
Blank (B103437-BLK1)					Prepared & Analyzed: 03/24/21					
Turbidity	ND		0.500	NTU						
Blank (B103437-BLK2)					Prepared & Analyzed: 03/24/21					
Turbidity	ND		0.500	NTU						



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

Blank (B103511-BLK1)

Prepared & Analyzed: 03/29/21

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



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

Blank (B103511-BLK1)

Prepared & Analyzed: 03/29/21

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	55.02			ug/L	50.0		110	70-130		
Surrogate: Toluene-d8	49.04			ug/L	50.0		98	75-120		
Surrogate: 4-Bromofluorobenzene	47.68			ug/L	50.0		95	75-120		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

LCS (B103511-BS1)

Prepared & Analyzed: 03/29/21

Acetone	13.6		5.0	ug/L	10.0		136	50-150		
Benzene	4.6		1.0	ug/L	5.00		91	50-150		
Bromochloromethane	4.8		1.0	ug/L	5.00		96	50-150		
Bromodichloromethane	4.9		1.0	ug/L	5.00		98	50-150		
Bromoform	4.7		1.0	ug/L	5.00		94	50-150		
Bromomethane	5.8		1.0	ug/L	5.00		116	50-150		
2-Butanone (MEK)	8.5		5.0	ug/L	10.0		85	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.00		107	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.00		99	50-150		
Chlorobenzene	4.7		1.0	ug/L	5.00		93	50-150		
Chloroethane	8.3		1.0	ug/L	5.00		166	50-150		
Chloroform	4.6		1.0	ug/L	5.00		91	50-150		
Chloromethane	4.5		1.0	ug/L	5.00		91	50-150		
Dibromochloromethane	4.7		1.0	ug/L	5.00		93	50-150		
1,2-Dibromo-3-chloropropane	5.4		1.0	ug/L	5.00		108	50-150		
1,2-Dibromoethane (EDB)	4.5		1.0	ug/L	5.00		91	50-150		
Dibromomethane	5.1		1.0	ug/L	5.00		102	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		97	50-150		
1,4-Dichlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
1,1-Dichloroethane	4.8		1.0	ug/L	5.00		97	50-150		
1,2-Dichloroethane	5.4		1.0	ug/L	5.00		107	50-150		
1,1-Dichloroethene	4.8		1.0	ug/L	5.00		96	50-150		
cis-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		99	50-150		
1,2-Dichloropropane	4.7		1.0	ug/L	5.00		93	50-150		
1,3-Dichloropropane	4.6		1.0	ug/L	5.00		92	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.00		105	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.00		96	50-150		
cis-1,3-Dichloropropene	4.4		1.0	ug/L	5.00		89	50-150		
trans-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
Ethylbenzene	4.5		1.0	ug/L	5.00		90	50-150		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

LCS (B103511-BS1)

Prepared & Analyzed: 03/29/21

2-Hexanone	9.5		5.0	ug/L	10.0		95	50-150		
Methyl tert-butyl ether (MTBE)	4.7		1.0	ug/L	5.00		93	50-150		
4-Methyl-2-pentanone	9.6		5.0	ug/L	10.0		96	50-150		
Methylene chloride	6.1		1.0	ug/L	5.00		122	0-200		
Methyl methacrylate	4.6	J	5.0	ug/L	5.00		91	50-150		
Styrene	4.2		1.0	ug/L	5.00		85	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,1,2,2-Tetrachloroethane	4.9		1.0	ug/L	5.00		98	50-150		
Tetrachloroethene	4.7		1.0	ug/L	5.00		94	50-150		
Toluene	4.5		1.0	ug/L	5.00		91	50-150		
1,1,1-Trichloroethane	5.0		1.0	ug/L	5.00		101	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Trichloroethene	4.9		1.0	ug/L	5.00		99	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.00		104	50-150		
1,2,3-Trichloropropane	5.0		1.0	ug/L	5.00		100	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		79	50-150		
Vinyl chloride	5.0		1.0	ug/L	5.00		99	50-150		
o-Xylene	4.4		1.0	ug/L	5.00		88	50-150		
m- & p-Xylenes	8.9		1.0	ug/L	10.0		89	50-150		
Surrogate: 1,2-Dichloroethane-d4	53.38			ug/L	50.0		107	70-130		
Surrogate: Toluene-d8	49.50			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	48.82			ug/L	50.0		98	75-120		

Duplicate (B103511-DUP1)

Source: 1032313-01

Prepared & Analyzed: 03/30/21

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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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

Duplicate (B103511-DUP1)	Source: 1032313-01	Prepared & Analyzed: 03/30/21		
2-Butanone (MEK)	ND	5.0 ug/L	ND	20
Carbon disulfide	ND	1.0 ug/L	ND	20
Carbon tetrachloride	ND	1.0 ug/L	ND	20
Chlorobenzene	ND	1.0 ug/L	ND	20
Chloroethane	ND	1.0 ug/L	ND	20
Chloroform	ND	1.0 ug/L	ND	20
Chloromethane	ND	1.0 ug/L	ND	20
Chloroprene	ND	1.0 ug/L	ND	20
Dibromochloromethane	ND	1.0 ug/L	ND	20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20
Dibromomethane	ND	1.0 ug/L	ND	20
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	20
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

Duplicate (B103511-DUP1)	Source: 1032313-01	Prepared & Analyzed: 03/30/21			
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	
Tetrachloroethane	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	55.11	ug/L	50.0	110	70-130
Surrogate: Toluene-d8	49.64	ug/L	50.0	99	75-120
Surrogate: 4-Bromofluorobenzene	48.29	ug/L	50.0	97	75-120

Matrix Spike (B103511-MS1)	Source: 1032313-02	Prepared & Analyzed: 03/30/21				
Acetone	14.9	5.0 ug/L	10.0	ND	149	60-120
Benzene	11.1	1.0 ug/L	10.0	ND	111	60-120
Bromochloromethane	10.6	1.0 ug/L	10.0	ND	106	60-120
Bromodichloromethane	11.5	1.0 ug/L	10.0	ND	115	60-120
Bromoform	10.0	1.0 ug/L	10.0	ND	100	60-120
Bromomethane	8.4	1.0 ug/L	10.0	ND	84	60-120
2-Butanone (MEK)	10.9	5.0 ug/L	10.0	ND	109	60-120
Carbon disulfide	10.3	1.0 ug/L	10.0	ND	103	60-120
Carbon tetrachloride	11.4	1.0 ug/L	10.0	ND	114	60-120

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

Matrix Spike (B103511-MS1)	Source: 1032313-02			Prepared & Analyzed: 03/30/21						
Chlorobenzene	10.4		1.0	ug/L	10.0	ND	104	60-120		
Chloroethane	16.4		1.0	ug/L	10.0	ND	164	60-120		
Chloroform	10.3		1.0	ug/L	10.0	ND	103	60-120		
Chloromethane	9.4		1.0	ug/L	10.0	ND	94	60-120		
Dibromochloromethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
1,2-Dibromo-3-chloropropane	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,2-Dibromoethane (EDB)	10.0		1.0	ug/L	10.0	ND	100	60-120		
Dibromomethane	10.8		1.0	ug/L	10.0	ND	108	60-120		
1,2-Dichlorobenzene	8.7		1.0	ug/L	10.0	ND	87	60-120		
1,4-Dichlorobenzene	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,1-Dichloroethane	11.6		1.0	ug/L	10.0	ND	116	60-120		
1,2-Dichloroethane	11.8		1.0	ug/L	10.0	ND	118	60-120		
1,1-Dichloroethene	10.7		1.0	ug/L	10.0	ND	107	60-120		
cis-1,2-Dichloroethene	15.3		1.0	ug/L	10.0	4.8	104	60-120		
trans-1,2-Dichloroethene	10.2		1.0	ug/L	10.0	ND	102	60-120		
1,2-Dichloropropane	11.0		1.0	ug/L	10.0	ND	110	60-120		
1,3-Dichloropropane	10.5		1.0	ug/L	10.0	ND	105	60-120		
2,2-Dichloropropane	9.5		1.0	ug/L	10.0	ND	95	60-120		
1,1-Dichloropropene	10.0		1.0	ug/L	10.0	ND	100	60-120		
cis-1,3-Dichloropropene	9.5		1.0	ug/L	10.0	ND	95	60-120		
trans-1,3-Dichloropropene	9.1		1.0	ug/L	10.0	ND	91	60-120		
Ethylbenzene	9.4		1.0	ug/L	10.0	ND	94	60-120		
2-Hexanone	10.0		5.0	ug/L	10.0	ND	100	60-120		
Methyl tert-butyl ether (MTBE)	10.4		1.0	ug/L	10.0	ND	104	60-120		
4-Methyl-2-pentanone	10.3		5.0	ug/L	10.0	ND	103	60-120		
Methylene chloride	11.8		1.0	ug/L	10.0	ND	118	60-120		
Methyl methacrylate	10.1		5.0	ug/L	10.0	ND	101	60-120		
Styrene	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,1,1,2-Tetrachloroethane	10.8		1.0	ug/L	10.0	ND	108	60-120		
1,1,2,2-Tetrachloroethane	10.1		1.0	ug/L	10.0	ND	101	60-120		
Tetrachloroethene	8.5		1.0	ug/L	10.0	ND	85	60-120		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103511 - GCMS-WATER-VOLATILES

Matrix Spike (B103511-MS1)	Source: 1032313-02	Prepared & Analyzed: 03/30/21
Toluene	9.8	1.0 ug/L 10.0 ND 98 60-120
1,1,1-Trichloroethane	11.9	1.0 ug/L 10.0 ND 119 60-120
1,1,2-Trichloroethane	10.7	1.0 ug/L 10.0 ND 107 60-120
Trichloroethene	13.6	1.0 ug/L 10.0 3.7 100 60-120
Trichlorofluoromethane (Freon 11)	10.6	1.0 ug/L 10.0 ND 106 60-120
1,2,3-Trichloropropane	10.5	1.0 ug/L 10.0 ND 105 60-120
Vinyl acetate	9.1	1.0 ug/L 10.0 ND 91 60-120
Vinyl chloride	10.3	1.0 ug/L 10.0 ND 103 60-120
o-Xylene	9.2	1.0 ug/L 10.0 ND 92 60-120
m- & p-Xylenes	17.9	1.0 ug/L 20.0 ND 89 60-120
Surrogate: 1,2-Dichloroethane-d4	52.32	ug/L 50.0 105 70-130
Surrogate: Toluene-d8	49.42	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	49.60	ug/L 50.0 99 75-120

Batch B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)	Prepared & Analyzed: 03/31/21
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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Rabecka Koons

Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

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>	50.92			ug/L	50.0		102	70-130		
<i>Surrogate: Toluene-d8</i>	49.44			ug/L	50.0		99	75-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	49.64			ug/L	50.0		99	75-120		

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Acetone	8.8		5.0	ug/L	10.0		88	50-150		
Benzene	5.0		1.0	ug/L	5.00		100	50-150		
Bromochloromethane	4.9		1.0	ug/L	5.00		97	50-150		
Bromodichloromethane	4.8		1.0	ug/L	5.00		96	50-150		
Bromoform	4.2		1.0	ug/L	5.00		84	50-150		
Bromomethane	5.6		1.0	ug/L	5.00		112	50-150		
2-Butanone (MEK)	9.2		5.0	ug/L	10.0		92	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.00		108	50-150		
Carbon tetrachloride	4.7		1.0	ug/L	5.00		95	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
Chloroethane	5.6		1.0	ug/L	5.00		112	50-150		
Chloroform	4.8		1.0	ug/L	5.00		95	50-150		
Chloromethane	5.0		1.0	ug/L	5.00		101	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		90	50-150		
1,2-Dibromo-3-chloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.00		94	50-150		

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Dibromomethane	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichlorobenzene	5.0		1.0	ug/L	5.00		101	50-150		
1,4-Dichlorobenzene	5.0		1.0	ug/L	5.00		100	50-150		
1,1-Dichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.00		97	50-150		
cis-1,2-Dichloroethene	4.7		1.0	ug/L	5.00		94	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		97	50-150		
2,2-Dichloropropane	4.8		1.0	ug/L	5.00		96	50-150		
1,1-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.00		89	50-150		
trans-1,3-Dichloropropene	4.8		1.0	ug/L	5.00		96	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.00		102	50-150		
2-Hexanone	9.5		5.0	ug/L	10.0		95	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.00		97	50-150		
4-Methyl-2-pentanone	9.3		5.0	ug/L	10.0		93	50-150		
Methylene chloride	5.8		1.0	ug/L	5.00		117	0-200		
Methyl methacrylate	4.6	J	5.0	ug/L	5.00		92	50-150		
Styrene	4.8		1.0	ug/L	5.00		95	50-150		
1,1,1,2-Tetrachloroethane	4.5		1.0	ug/L	5.00		91	50-150		
1,1,2,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.00		100	50-150		
Toluene	4.8		1.0	ug/L	5.00		96	50-150		
1,1,1-Trichloroethane	4.7		1.0	ug/L	5.00		95	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Trichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
Trichlorofluoromethane (Freon 11)	5.1		1.0	ug/L	5.00		103	50-150		
1,2,3-Trichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		80	50-150		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Vinyl chloride	5.2		1.0	ug/L	5.00		105	50-150		
o-Xylene	5.0		1.0	ug/L	5.00		101	50-150		
m- & p-Xylenes	9.8		1.0	ug/L	10.0		98	50-150		
Surrogate: 1,2-Dichloroethane-d4	50.43			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	49.79			ug/L	50.0		100	75-120		
Surrogate: 4-Bromofluorobenzene	50.69			ug/L	50.0		101	75-120		

Duplicate (B103547-DUP1)

Source: 1033031-02

Prepared & Analyzed: 03/31/21

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	ND		1.0	ug/L		ND				20
Chloroethane	ND		1.0	ug/L		ND				20
Chloroform	ND		1.0	ug/L		ND				20
Chloromethane	ND		1.0	ug/L		ND				20
Chloroprene	ND		1.0	ug/L		ND				20
Dibromochloromethane	ND		1.0	ug/L		ND				20
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L		ND				20
1,2-Dibromoethane (EDB)	ND		1.0	ug/L		ND				20
Dibromomethane	ND		1.0	ug/L		ND				20
1,2-Dichlorobenzene	ND		1.0	ug/L		ND				20
1,4-Dichlorobenzene	ND		1.0	ug/L		ND				20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	ND		1.0	ug/L		ND				20

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)	Source: 1033031-02	Prepared & Analyzed: 03/31/21		
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20
Methyl tert-butyl ether (MTBE)	ND	1.0 ug/L	ND	20
4-Methyl-2-pentanone	ND	5.0 ug/L	ND	20
Methylene chloride	ND	1.0 ug/L	ND	20
Methyl methacrylate	ND	5.0 ug/L	ND	20
Styrene	ND	1.0 ug/L	ND	20
1,1,1,2-Tetrachloroethane	ND	1.0 ug/L	ND	20
1,1,2,2-Tetrachloroethane	ND	1.0 ug/L	ND	20
Tetrachloroethene	ND	1.0 ug/L	ND	20
Toluene	ND	1.0 ug/L	ND	20
1,1,1-Trichloroethane	ND	1.0 ug/L	ND	20
1,1,2-Trichloroethane	ND	1.0 ug/L	ND	20
Trichloroethene	ND	1.0 ug/L	ND	20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L	ND	20
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



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)		Source: 1033031-02		Prepared & Analyzed: 03/31/21						
o-Xylene	ND	1.0	ug/L	ND					20	
m- & p-Xylenes	ND	1.0	ug/L	ND					20	
Surrogate: 1,2-Dichloroethane-d4	50.75		ug/L	50.0		102		70-130		
Surrogate: Toluene-d8	49.76		ug/L	50.0		100		75-120		
Surrogate: 4-Bromofluorobenzene	50.05		ug/L	50.0		100		75-120		

Matrix Spike (B103547-MS1)		Source: 1033031-03		Prepared & Analyzed: 03/31/21						
Acetone	12.9	5.0	ug/L	10.0	1.1	118		60-120		
Benzene	11.0	1.0	ug/L	10.0	ND	110		60-120		
Bromochloromethane	11.2	1.0	ug/L	10.0	ND	112		60-120		
Bromodichloromethane	10.5	1.0	ug/L	10.0	ND	105		60-120		
Bromoform	9.9	1.0	ug/L	10.0	ND	99		60-120		
Bromomethane	1.6	1.0	ug/L	10.0	ND	16		60-120		
2-Butanone (MEK)	10.7	5.0	ug/L	10.0	ND	107		60-120		
Carbon disulfide	10.2	1.0	ug/L	10.0	ND	102		60-120		
Carbon tetrachloride	10.8	1.0	ug/L	10.0	ND	108		60-120		
Chlorobenzene	10.5	1.0	ug/L	10.0	ND	105		60-120		
Chloroethane	13.3	1.0	ug/L	10.0	ND	133		60-120		
Chloroform	11.5	1.0	ug/L	10.0	ND	115		60-120		
Chloromethane	9.0	1.0	ug/L	10.0	ND	90		60-120		
Dibromochloromethane	10.0	1.0	ug/L	10.0	ND	100		60-120		
1,2-Dibromo-3-chloropropane	10.7	1.0	ug/L	10.0	ND	107		60-120		
1,2-Dibromoethane (EDB)	10.5	1.0	ug/L	10.0	ND	105		60-120		
Dibromomethane	10.5	1.0	ug/L	10.0	ND	105		60-120		
1,2-Dichlorobenzene	9.6	1.0	ug/L	10.0	ND	96		60-120		
1,4-Dichlorobenzene	9.3	1.0	ug/L	10.0	ND	93		60-120		
1,1-Dichloroethane	11.2	1.0	ug/L	10.0	ND	112		60-120		
1,2-Dichloroethane	10.9	1.0	ug/L	10.0	ND	109		60-120		
1,1-Dichloroethene	10.4	1.0	ug/L	10.0	ND	104		60-120		
cis-1,2-Dichloroethene	15.9	1.0	ug/L	10.0	4.9	110		60-120		
trans-1,2-Dichloroethene	10.3	1.0	ug/L	10.0	ND	103		60-120		
1,2-Dichloropropane	11.2	1.0	ug/L	10.0	ND	112		60-120		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103547 - GCMS-WATER-VOLATILES

Matrix Spike (B103547-MS1)	Source: 1033031-03			Prepared & Analyzed: 03/31/21						
1,3-Dichloropropane	10.8		1.0	ug/L	10.0	ND	108	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.0	ND	87	60-120		
1,1-Dichloropropene	9.8		1.0	ug/L	10.0	ND	98	60-120		
cis-1,3-Dichloropropene	10.0		1.0	ug/L	10.0	ND	100	60-120		
trans-1,3-Dichloropropene	9.6		1.0	ug/L	10.0	ND	96	60-120		
Ethylbenzene	10.2		1.0	ug/L	10.0	ND	102	60-120		
2-Hexanone	10.0		5.0	ug/L	10.0	ND	100	60-120		
Methyl tert-butyl ether (MTBE)	10.7		1.0	ug/L	10.0	ND	107	60-120		
4-Methyl-2-pentanone	10.2		5.0	ug/L	10.0	ND	102	60-120		
Methylene chloride	9.9		1.0	ug/L	10.0	ND	99	60-120		
Methyl methacrylate	10.0		5.0	ug/L	10.0	ND	100	60-120		
Styrene	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,1,1,2-Tetrachloroethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,1,2,2-Tetrachloroethane	10.3		1.0	ug/L	10.0	ND	103	60-120		
Tetrachloroethene	16.4		1.0	ug/L	10.0	7.5	89	60-120		
Toluene	10.1		1.0	ug/L	10.0	ND	101	60-120		
1,1,1-Trichloroethane	10.8		1.0	ug/L	10.0	ND	108	60-120		
1,1,2-Trichloroethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
Trichloroethene	13.8		1.0	ug/L	10.0	3.5	104	60-120		
Trichlorofluoromethane (Freon 11)	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,2,3-Trichloropropane	10.1		1.0	ug/L	10.0	ND	101	60-120		
Vinyl acetate	9.2		1.0	ug/L	10.0	ND	92	60-120		
Vinyl chloride	10.2		1.0	ug/L	10.0	ND	102	60-120		
o-Xylene	10.2		1.0	ug/L	10.0	ND	102	60-120		
m- & p-Xylenes	19.6		1.0	ug/L	20.0	ND	98	60-120		
Surrogate: 1,2-Dichloroethane-d4	50.66			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	49.56			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	50.68			ug/L	50.0		101	75-120		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103501 - 504.1 EDB/DBCP										
Blank (B103501-BLK1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103501-BLK2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B103501-BS1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	0.092		0.050	ug/L	0.100		92	50-150		
1,2-Dibromoethane (EDB)	0.103		0.020	ug/L	0.100		103	50-150		
LCS (B103501-BS2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	0.091		0.050	ug/L	0.100		91	50-150		
1,2-Dibromoethane (EDB)	0.100		0.020	ug/L	0.100		100	50-150		
Matrix Spike (B103501-MS1)			Source: 1032218-09			Prepared & Analyzed: 03/29/21				
1,2-Dibromo-3-chloropropane	0.264		0.047	ug/L	0.235	ND	113	50-150		
1,2-Dibromoethane (EDB)	0.293		0.019	ug/L	0.235	ND	125	50-150		
Matrix Spike (B103501-MS2)			Source: 1032313-07			Prepared: 03/29/21 Analyzed: 03/30/21				
1,2-Dibromo-3-chloropropane	0.247		0.047	ug/L	0.235	ND	105	50-150		
1,2-Dibromoethane (EDB)	0.255		0.019	ug/L	0.235	ND	109	50-150		
Reference (B103501-SRM1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	0.023		0.050	ug/L	0.0200		115	0-200		
1,2-Dibromoethane (EDB)	0.021		0.020	ug/L	0.0200		107	0-200		
Reference (B103501-SRM2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.021		0.020	ug/L	0.0200		103	0-200		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103422 - 3010A-Metals Digestion

Blank (B103422-BLK1)

Prepared: 03/24/21 Analyzed: 03/25/21

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	7.28	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 (B103422-BS1)

Prepared: 03/24/21 Analyzed: 03/25/21

Antimony	46.7		1.00	ug/L	50.0		93	80-120		
Arsenic	48.8		1.00	ug/L	50.0		98	80-120		
Barium	48.3		1.00	ug/L	50.0		97	80-120		
Beryllium	49.9		1.00	ug/L	50.0		100	80-120		
Cadmium	48.2		1.00	ug/L	50.0		96	80-120		
Calcium	4950		80.0	ug/L	5000		99	80-120		
Chromium	48.8		1.00	ug/L	50.0		98	80-120		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103422 - 3010A-Metals Digestion

LCS (B103422-BS1)

Prepared: 03/24/21 Analyzed: 03/25/21

Cobalt	50.3		1.00	ug/L	50.0		101	80-120		
Copper	52.1		1.00	ug/L	50.0		104	80-120		
Iron	4980		100	ug/L	5000		100	80-120		
Lead	48.5		1.00	ug/L	50.0		97	80-120		
Magnesium	5010		100	ug/L	5000		100	80-120		
Manganese	50.3		1.00	ug/L	50.0		101	80-120		
Mercury	2.38		0.100	ug/L	2.50		95	80-120		
Nickel	50.6		1.00	ug/L	50.0		101	80-120		
Potassium	5020		100	ug/L	5000		100	80-120		
Selenium	49.3		1.00	ug/L	50.0		99	80-120		
Silver	48.7		1.00	ug/L	50.0		97	80-120		
Sodium	5090		100	ug/L	5000		102	80-120		
Thallium	50.1		1.00	ug/L	50.0		100	80-120		
Vanadium	47.1		1.00	ug/L	50.0		94	80-120		
Zinc	101		4.00	ug/L	100		101	80-120		

Duplicate (B103422-DUP1)

Source: 1032313-03

Prepared: 03/24/21 Analyzed: 03/25/21

Hardness as CaCO3	16100		500	ug/L		16300			1	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	7.02		1.00	ug/L		7.01			0.2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	3620		80.0	ug/L		3680			2	200
Chromium	1.31		1.00	ug/L		1.07			20	200
Cobalt	ND		1.00	ug/L		ND				200
Copper	2.84		1.00	ug/L		2.79			2	200
Iron	238		100	ug/L		234			2	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	1720		100	ug/L		1740			0.9	200
Manganese	16.4		1.00	ug/L		16.9			3	200
Mercury	ND		0.100	ug/L		ND				200

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103422 - 3010A-Metals Digestion

Duplicate (B103422-DUP1)		Source: 1032313-03			Prepared: 03/24/21		Analyzed: 03/25/21	
Nickel	1.59		1.00	ug/L	1.50		6	200
Potassium	941		100	ug/L	957		2	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	4480		100	ug/L	4530		1	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	12.8		4.00	ug/L	13.7		6	200

Matrix Spike (B103422-MS1)		Source: 1032313-03			Prepared: 03/24/21		Analyzed: 03/25/21	
Antimony	47.1		1.00	ug/L	50.0	ND	94	60-140
Arsenic	49.0		1.00	ug/L	50.0	ND	98	60-140
Barium	56.0		1.00	ug/L	50.0	7.01	98	60-140
Beryllium	50.3		1.00	ug/L	50.0	ND	101	60-140
Cadmium	48.6		1.00	ug/L	50.0	ND	97	60-140
Calcium	8770		80.0	ug/L	5000	3680	102	60-140
Chromium	50.6		1.00	ug/L	50.0	1.07	99	60-140
Cobalt	50.3		1.00	ug/L	50.0	ND	101	60-140
Copper	54.1		1.00	ug/L	50.0	2.79	103	60-140
Iron	5330		100	ug/L	5000	234	102	60-140
Lead	48.9		1.00	ug/L	50.0	ND	98	60-140
Magnesium	6850		100	ug/L	5000	1740	102	60-140
Manganese	68.1		1.00	ug/L	50.0	16.9	102	60-140
Mercury	2.32		0.100	ug/L	2.50	ND	93	60-140
Nickel	51.3		1.00	ug/L	50.0	1.50	100	60-140
Potassium	6070		100	ug/L	5000	957	102	60-140
Selenium	50.7		1.00	ug/L	50.0	ND	101	60-140
Silver	48.7		1.00	ug/L	50.0	ND	97	60-140
Sodium	9690		100	ug/L	5000	4530	103	60-140
Thallium	50.7		1.00	ug/L	50.0	ND	101	60-140
Vanadium	48.8		1.00	ug/L	50.0	ND	98	60-140
Zinc	112		4.00	ug/L	100	13.7	98	60-140

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103502 - COD (03) Prep										
Blank (B103502-BLK1)					Prepared & Analyzed: 03/29/21					
COD	ND		3.0	mg/L						
LCS (B103502-BS1)					Prepared & Analyzed: 03/29/21					
COD	50.8		3.0	mg/L	50.0		102	90-110		
Duplicate (B103502-DUP1)					Source: 1032525-02		Prepared & Analyzed: 03/29/21			
COD	23.7		3.0	mg/L		26.3			10	20
Matrix Spike (B103502-MS1)					Source: 1032525-02		Prepared & Analyzed: 03/29/21			
COD	72.8		3.0	mg/L	50.0	26.3	93	90-110		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Conductivity by SM2510 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103434 - Conductivity										
Duplicate (B103434-DUP1)			Source: 1032415-01			Prepared & Analyzed: 03/24/21				
Conductivity	882			uS/cm		884			0.2	200
Duplicate (B103434-DUP2)			Source: 1032405-01			Prepared & Analyzed: 03/24/21				
Conductivity	485			uS/cm		485			0.08	200
Duplicate (B103434-DUP3)			Source: 1032313-01			Prepared & Analyzed: 03/24/21				
Conductivity	935			uS/cm		935			0.06	200



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103397 - 300.0 Anions Prep

Blank (B103397-BLK1)

Prepared & Analyzed: 03/23/21

Chloride	ND		0.500	mg/L						
Nitrate (as N)	0.00			mg/L						
Sulfate	ND		0.3	mg/L						
Nitrate	ND		0.050	mg/L						

Blank (B103397-BLK2)

Prepared: 03/23/21 Analyzed: 03/24/21

Sulfate	ND		0.3	mg/L						
Chloride	ND		0.500	mg/L						
Nitrate (as N)	0.00			mg/L						
Nitrate	ND		0.050	mg/L						

LCS (B103397-BS1)

Prepared & Analyzed: 03/23/21

Sulfate	3.9		0.3	mg/L	4.00		98	80-120		
Chloride	3.86		0.500	mg/L	4.00		96	80-120		
Nitrate (as N)	0.836			mg/L				80-120		
Nitrate	3.80		0.050	mg/L	4.00		95	80-120		

LCS (B103397-BS2)

Prepared: 03/23/21 Analyzed: 03/24/21

Chloride	3.75		0.500	mg/L	4.00		94	80-120		
Sulfate	3.7		0.3	mg/L	4.00		93	80-120		
Nitrate (as N)	0.812			mg/L				80-120		
Nitrate	3.69		0.050	mg/L	4.00		92	80-120		

Duplicate (B103397-DUP1)

Source: 1032218-01

Prepared & Analyzed: 03/23/21

Chloride	108		0.500	mg/L		108		0.1	200	
Nitrate (as N)	4.99			mg/L		4.98		0.2	200	
Sulfate	20.1		0.3	mg/L		20.0		0.5	200	
Nitrate	22.7		0.050	mg/L		22.6		0.2	200	

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103397 - 300.0 Anions Prep

Duplicate (B103397-DUP2)		Source: 1032313-01		Prepared: 03/23/21		Analyzed: 03/24/21			
Sulfate	33.7		0.3	mg/L		33.7		0.1	200
Nitrate (as N)	0.078			mg/L		0.076		2	200
Chloride	123		0.500	mg/L		123		0.002	200
Nitrate	0.354		0.050	mg/L		0.347		2	200
Matrix Spike (B103397-MS1)		Source: 1032218-01		Prepared & Analyzed: 03/23/21					
Nitrate (as N)	5.83			mg/L		4.98		80-120	
Chloride	111	QM-4X	0.500	mg/L	4.00	108	71	80-120	
Sulfate	23.8		0.3	mg/L	4.00	20.0	95	80-120	
Nitrate	26.5		0.050	mg/L	4.00	22.6	97	80-120	
Matrix Spike (B103397-MS2)		Source: 1032313-01		Prepared: 03/23/21		Analyzed: 03/24/21			
Sulfate	37.2		0.3	mg/L	4.00	33.7	88	80-120	
Nitrate (as N)	0.852			mg/L		0.076		80-120	
Chloride	125	QM-4X	0.500	mg/L	4.00	123	68	80-120	
Nitrate	3.87		0.050	mg/L	4.00	0.347	88	80-120	

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Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

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 B103425 - TSS PREP										
Blank (B103425-BLK1)					Prepared: 03/24/21 Analyzed: 03/25/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B103425-BS1)					Prepared: 03/24/21 Analyzed: 03/25/21					
Solids, Suspended	54.1		2.5	mg/L	53.7		101	70-130		
Duplicate (B103425-DUP1)			Source: 1032313-01			Prepared: 03/24/21 Analyzed: 03/25/21				
Solids, Suspended	6.9		3.8	mg/L		10.4			40	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103515 - TDS Prep										
Blank (B103515-BLK1)					Prepared & Analyzed: 03/30/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B103515-BS1)					Prepared & Analyzed: 03/30/21					
Solids, Dissolved	693		10.0	mg/L	723		96	90-110		
Duplicate (B103515-DUP1)			Source: 1032313-07			Prepared & Analyzed: 03/30/21				
Solids, Dissolved	69.0		10.0	mg/L		71.5			4	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1C0200 - No Prep WC										
Blank (B1C0200-BLK1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1C0200-BS1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	2.02		0.10	mg/L	2.00		101	90-110		
Duplicate (B1C0200-DUP1)					Source: E066455-01		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
Matrix Spike (B1C0200-MS1)					Source: E066455-01		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	1.85		0.10	mg/L	2.00	ND	92.3	90-110		
Batch B1C0201 - No Prep WC										
Blank (B1C0201-BLK1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1C0201-BS1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	2.07		0.10	mg/L	2.00		103	90-110		
Duplicate (B1C0201-DUP1)					Source: 1032313-02		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	0.09		0.10	mg/L		0.10			8.36	20
Matrix Spike (B1C0201-MS1)					Source: 1032313-02		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	2.02		0.10	mg/L	2.00	0.10	96.3	90-110		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Alkalinity SM2320B - Quality Control

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

Batch B1C0203 - No Prep WC

LCS (B1C0203-BS1)		Prepared & Analyzed: 03/26/21								
Alkalinity as CaCO3	105		1.0	mg/L				90-110		

Duplicate (B1C0203-DUP1)		Source: E066455-01		Prepared & Analyzed: 03/26/21						
Alkalinity as CaCO3	192		1.0	mg/L		194			1.24	20

Batch B1C0204 - No Prep WC

LCS (B1C0204-BS1)		Prepared: 03/26/21 Analyzed: 03/29/21								
Alkalinity as CaCO3	106		1.0	mg/L				90-110		

Duplicate (B1C0204-DUP1)		Source: 1032313-02		Prepared: 03/26/21 Analyzed: 03/29/21						
Alkalinity as CaCO3	379		4.0	mg/L		377			0.455	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 12:25

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-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



Rabecka Koons, Quality Assurance Officer

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

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: GUDE Landfill		Project ID: 1556404																
Sampler(s): A. Szamski		P.O. Number: 19541																
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	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 pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW - 22B		3/23/21	0848	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO, HNO ₃			1032313-01
MW - 22A			0929					X	X	X	X	X	X	X				-02
MW - 3B			1030					X	X	X	X	X	X	X				-03
MW - 3A			1113					X	X	X	X	X	X	X				-04
MW - 19B			1302 1302					X	X	X	X	X	X	X				-05
MW - 19A			1337					X	X	X	X	X	X	X				-06
MW - 1B			1220					X	X	X	X	X	X	X				-07
MW - 6			1435					X	X	X	X	X	X	X				-08
CB01		↓	1520	↓			↓	X	X	X	X	X	X	X	↓			-09
Relinquished by: (Signature) 		Date/Time 3/23/21		Received by: (Signature) 				Relinquished by: (Signature)				Date/Time		Received by: (Signature)				
(Printed)				(Printed)				(Printed)						(Printed)				
Relinquished by: (Signature)		Date/Time 3/23/21		Received by Lab: (Signature) 				Turn Around Time:				Lab Use:						
(Printed)		10:37		(Printed) Rachel Homer				<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: <u>8.2</u> °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																

**SUBCONTRACT ORDER
Maryland Spectral Services**

1032313

66457

SENDING LABORATORY:

Maryland Spectral Services
1500 Caton Center Dr. Suite G
Halethorpe, MD 21227
Phone: 410.247.7600
Project Manager: Cory Koons

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

3/23/21 / RH

Reports Email: Reporting@mdspectral.com

Due 4:00 PM 04/06/21

Laboratory ID

Comments

Sample ID: 1032313-01 MW-22B Water Sampled:03/23/21 08:48

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032313-02 MW-22A Water Sampled:03/23/21 09:29

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032313-03 MW-3B Water Sampled:03/23/21 10:30

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032313-04 MW-3A Water Sampled:03/23/21 11:13

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Released By: *[Signature]* Date: 10:53-25-21 Received By: FRD Date: 3-25-21 11:36

SUBCONTRACT ORDER
Maryland Spectral Services

1032313

6645

Page 70 of 70

Due 4:00 PM 04/06/21

Laboratory ID

Comments

Sample ID: 1032313-05 MW-19B Water Sampled:03/23/21 13:02

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Auto-log Sent

Date/Initial

3-25-21 L F

Sample ID: 1032313-06 MW-19A Water Sampled:03/23/21 13:37

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032313-07 MW-1B Water Sampled:03/23/21 12:20

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032313-08 MW-6 Water Sampled:03/23/21 14:35

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

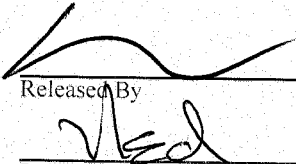
Sample ID: 1032313-09 OB01 Water Sampled:03/23/21 15:20

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

10:52
3-25-21

Released By	Date	Received By	Date
		FRD	3-25-21 11:36
Released By	Date	Received By	Date

06 April 2021

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 03/24/21 12:45.

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,



Will Brewington
President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7		1032415-01	Nonpotable Water	03/24/21 08:47	03/24/21 12:45
0B02		1032415-02	Nonpotable Water	03/24/21 09:32	03/24/21 12:45
0B02A		1032415-03	Nonpotable Water	03/24/21 10:08	03/24/21 12:45
MW-23A		1032415-04	Nonpotable Water	03/24/21 11:10	03/24/21 12:45



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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-7

1032415-01 (Nonpotable Water)
Sample Date: 03/24/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.46		pH Units			1	03/24/21	03/24/21 16:13	RH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	8.37		NTU	0.500	0.110	1	03/24/21	03/24/21 18:43	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:57	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:57	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:57	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-7

**1032415-01 (Nonpotable Water)
Sample Date: 03/24/21**

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	03/29/21	03/29/21 18:57	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:57	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:57	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 18:57	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:57	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:57	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:57	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	113 %	03/29/21		03/29/21 18:57		
Surrogate: Toluene-d8			75-120	98 %	03/29/21		03/29/21 18:57		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	03/29/21		03/29/21 18:57		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-7

**1032415-01 (Nonpotable Water)
Sample Date: 03/24/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/29/21	03/30/21 12:13	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 12:13	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	289000		ug/L	500	500	1	03/25/21	03/25/21 16:21	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Barium	84.2		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Calcium	56400		ug/L	80.0	80.0	1	03/25/21	03/25/21 16:21	CWK
Chromium	5.20		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Cobalt	8.04		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Copper	26.4		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Iron	745		ug/L	100	5.00	1	03/25/21	03/25/21 16:21	CWK
Lead	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Magnesium	36000		ug/L	100	100	1	03/25/21	03/25/21 16:21	CWK
Manganese	85.0		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/25/21	03/25/21 16:21	CWK
Nickel	6.65		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Potassium	3890		ug/L	100	100	1	03/25/21	03/25/21 16:21	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Silver	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Sodium	59100		ug/L	100	100	1	03/25/21	03/25/21 16:21	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Vanadium	2.39		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:21	CWK
Zinc	9.48	B	ug/L	4.00	4.00	1	03/25/21	03/25/21 16:21	CWK

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



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-7

1032415-01 (Nonpotable Water)
Sample Date: 03/24/21

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	30.0		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:15	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	884		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	85.8		mg/L	0.500	0.500	1	03/24/21	03/25/21 03:07	VVD
Nitrate (as N)	2.91		mg/L			1	03/24/21	03/25/21 03:07	VVD
Sulfate	46.4		mg/L	0.3	0.3	1	03/24/21	03/25/21 03:07	VVD
Nitrate	13.2		mg/L	0.400	0.400	1	03/24/21	03/25/21 03:07	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	64.2		mg/L	4.4	4.4	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	519		mg/L	10.0	10.0	1	03/30/21	03/31/21 13:30	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.22		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:48	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	279		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02

1032415-02 (Nonpotable Water)
Sample Date: 03/24/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.32		pH Units			1	03/24/21	03/24/21 16:13	RH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.18		NTU	0.500	0.110	1	03/24/21	03/24/21 18:45	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:20	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:20	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:20	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02

1032415-02 (Nonpotable Water)
Sample Date: 03/24/21

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	03/29/21	03/29/21 19:20	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:20	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:20	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 19:20	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:20	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:20	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:20	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	03/29/21		03/29/21 19:20		
Surrogate: Toluene-d8			75-120	98 %	03/29/21		03/29/21 19:20		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	03/29/21		03/29/21 19:20		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02

1032415-02 (Nonpotable Water)
Sample Date: 03/24/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/29/21	03/30/21 12:32	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/29/21	03/30/21 12:32	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	249000		ug/L	500	500	1	03/25/21	03/25/21 16:24	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Barium	248		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Calcium	49900		ug/L	80.0	80.0	1	03/25/21	03/25/21 16:24	CWK
Chromium	1.53		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Cobalt	10.1		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Copper	3.13		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Iron	705		ug/L	100	5.00	1	03/25/21	03/25/21 16:24	CWK
Lead	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Magnesium	30300		ug/L	100	100	1	03/25/21	03/25/21 16:24	CWK
Manganese	1460		ug/L	5.00	5.00	5	03/25/21	03/25/21 16:38	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/25/21	03/25/21 16:24	CWK
Nickel	7.48		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Potassium	5940		ug/L	100	100	1	03/25/21	03/25/21 16:24	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Silver	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Sodium	23100		ug/L	100	100	1	03/25/21	03/25/21 16:24	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:24	CWK
Zinc	8.61	B	ug/L	4.00	4.00	1	03/25/21	03/25/21 16:24	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02

1032415-02 (Nonpotable Water)
Sample Date: 03/24/21

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	03/31/21	03/31/21 14:16	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	784		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	189		mg/L	0.500	0.500	1	03/24/21	03/25/21 03:25	VVD
Nitrate (as N)	0.00		mg/L			1	03/24/21	03/25/21 03:25	VVD
Sulfate	14.9		mg/L	0.3	0.3	1	03/24/21	03/25/21 03:25	VVD
Nitrate	ND		mg/L	0.400	0.400	1	03/24/21	03/25/21 03:25	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	8.9		mg/L	4.1	4.1	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	464		mg/L	10.0	10.0	1	03/30/21	03/31/21 13:30	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:50	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	72.9		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02A

1032415-03 (Nonpotable Water)
Sample Date: 03/24/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.61		pH Units			1	03/24/21	03/24/21 16:13	RH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/24/21	03/24/21 18:47	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:43	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:43	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:43	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02A

1032415-03 (Nonpotable Water)
Sample Date: 03/24/21

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	03/29/21	03/29/21 19:43	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:43	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:43	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 19:43	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:43	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:43	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:43	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	03/29/21		03/29/21 19:43		
Surrogate: Toluene-d8			75-120	99 %	03/29/21		03/29/21 19:43		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	03/29/21		03/29/21 19:43		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02A

**1032415-03 (Nonpotable Water)
Sample Date: 03/24/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/31/21	04/01/21 11:55	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 11:55	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	381000		ug/L	500	500	1	03/25/21	03/25/21 16:26	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Barium	330		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Calcium	73100		ug/L	80.0	80.0	1	03/25/21	03/25/21 16:26	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Copper	1.79		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Iron	16.0	J	ug/L	100	5.00	1	03/25/21	03/25/21 16:26	CWK
Lead	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Magnesium	48300		ug/L	100	100	1	03/25/21	03/25/21 16:26	CWK
Manganese	40.9		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/25/21	03/25/21 16:26	CWK
Nickel	8.06		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Potassium	4170		ug/L	100	100	1	03/25/21	03/25/21 16:26	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Silver	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Sodium	41400		ug/L	100	100	1	03/25/21	03/25/21 16:26	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:26	CWK
Zinc	8.22	B	ug/L	4.00	4.00	1	03/25/21	03/25/21 16:26	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

0B02A

1032415-03 (Nonpotable Water)
Sample Date: 03/24/21

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	4.0		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:16	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1210		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	331		mg/L	0.500	0.500	1	03/24/21	03/25/21 03:43	VVD
Nitrate (as N)	1.14		mg/L			1	03/24/21	03/25/21 03:43	VVD
Sulfate	26.0		mg/L	0.3	0.3	1	03/24/21	03/25/21 03:43	VVD
Nitrate	5.19		mg/L	0.400	0.400	1	03/24/21	03/25/21 03:43	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	2.6		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	651		mg/L	10.0	10.0	1	03/30/21	03/31/21 13:30	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:52	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	38.7		mg/L	1.0	1.0	1	03/26/21	03/29/21 13:37	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-23A

1032415-04 (Nonpotable Water)
Sample Date: 03/24/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	7.29		pH Units			1	03/24/21	03/24/21 16:13	RH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	78.8		NTU	5.00	1.10	10	03/24/21	03/24/21 18:51	VVD
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	5.4		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:06	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:06	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:06	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-23A

1032415-04 (Nonpotable Water)
Sample Date: 03/24/21

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	03/29/21	03/29/21 20:06	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:06	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:06	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 20:06	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:06	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:06	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:06	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	03/29/21		03/29/21 20:06		
Surrogate: Toluene-d8			75-120	98 %	03/29/21		03/29/21 20:06		
Surrogate: 4-Bromofluorobenzene			75-120	94 %	03/29/21		03/29/21 20:06		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-23A

**1032415-04 (Nonpotable Water)
Sample Date: 03/24/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 12:11	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 12:11	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	62100		ug/L	500	500	1	03/25/21	03/25/21 16:29	CWK
Antimony	1.41		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Barium	66.6		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Calcium	13900		ug/L	80.0	80.0	1	03/25/21	03/25/21 16:29	CWK
Chromium	15.5		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Cobalt	2.70		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Copper	16.3		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Iron	5010		ug/L	100	5.00	1	03/25/21	03/25/21 16:29	CWK
Lead	4.83		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Magnesium	6680		ug/L	100	100	1	03/25/21	03/25/21 16:29	CWK
Manganese	120		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/25/21	03/25/21 16:29	CWK
Nickel	20.6		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Potassium	8870		ug/L	100	100	1	03/25/21	03/25/21 16:29	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Silver	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Sodium	13200		ug/L	100	100	1	03/25/21	03/25/21 16:29	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Vanadium	5.33		ug/L	1.00	1.00	1	03/25/21	03/25/21 16:29	CWK
Zinc	144	QB-01, B	ug/L	4.00	4.00	1	03/25/21	03/25/21 16:29	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

MW-23A

1032415-04 (Nonpotable Water)
Sample Date: 03/24/21

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	38.0		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:17	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	222		uS/cm			1	03/24/21	03/24/21 16:14	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	34.2		mg/L	0.500	0.500	1	03/24/21	03/25/21 04:01	VVD
Nitrate (as N)	0.491		mg/L			1	03/24/21	03/25/21 04:01	VVD
Sulfate	6.0		mg/L	0.3	0.3	1	03/24/21	03/25/21 04:01	VVD
Nitrate	2.23		mg/L	0.400	0.400	1	03/24/21	03/25/21 04:01	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	50.4		mg/L	5.3	5.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	159		mg/L	10.0	10.0	1	03/30/21	03/31/21 13:30	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.19		mg/L	0.10	0.05	1	03/26/21	03/26/21 12:54	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	63.5		mg/L	4.0	4.0	4	03/26/21	03/29/21 13:37	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/06/21 09:27

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103437 - Turbidity Prep										
Blank (B103437-BLK1)					Prepared & Analyzed: 03/24/21					
Turbidity	ND		0.500	NTU						
Blank (B103437-BLK2)					Prepared & Analyzed: 03/24/21					
Turbidity	ND		0.500	NTU						



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

Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

Blank (B103511-BLK1)

Prepared & Analyzed: 03/29/21

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

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

Blank (B103511-BLK1)

Prepared & Analyzed: 03/29/21

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	55.02			ug/L	50.0		110	70-130		
Surrogate: Toluene-d8	49.04			ug/L	50.0		98	75-120		
Surrogate: 4-Bromofluorobenzene	47.68			ug/L	50.0		95	75-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

LCS (B103511-BS1)

Prepared & Analyzed: 03/29/21

Acetone	13.6		5.0	ug/L	10.0		136	50-150		
Benzene	4.6		1.0	ug/L	5.00		91	50-150		
Bromochloromethane	4.8		1.0	ug/L	5.00		96	50-150		
Bromodichloromethane	4.9		1.0	ug/L	5.00		98	50-150		
Bromoform	4.7		1.0	ug/L	5.00		94	50-150		
Bromomethane	5.8		1.0	ug/L	5.00		116	50-150		
2-Butanone (MEK)	8.5		5.0	ug/L	10.0		85	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.00		107	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.00		99	50-150		
Chlorobenzene	4.7		1.0	ug/L	5.00		93	50-150		
Chloroethane	8.3		1.0	ug/L	5.00		166	50-150		
Chloroform	4.6		1.0	ug/L	5.00		91	50-150		
Chloromethane	4.5		1.0	ug/L	5.00		91	50-150		
Dibromochloromethane	4.7		1.0	ug/L	5.00		93	50-150		
1,2-Dibromo-3-chloropropane	5.4		1.0	ug/L	5.00		108	50-150		
1,2-Dibromoethane (EDB)	4.5		1.0	ug/L	5.00		91	50-150		
Dibromomethane	5.1		1.0	ug/L	5.00		102	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		97	50-150		
1,4-Dichlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
1,1-Dichloroethane	4.8		1.0	ug/L	5.00		97	50-150		
1,2-Dichloroethane	5.4		1.0	ug/L	5.00		107	50-150		
1,1-Dichloroethene	4.8		1.0	ug/L	5.00		96	50-150		
cis-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		99	50-150		
1,2-Dichloropropane	4.7		1.0	ug/L	5.00		93	50-150		
1,3-Dichloropropane	4.6		1.0	ug/L	5.00		92	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.00		105	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.00		96	50-150		
cis-1,3-Dichloropropene	4.4		1.0	ug/L	5.00		89	50-150		
trans-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
Ethylbenzene	4.5		1.0	ug/L	5.00		90	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

LCS (B103511-BS1)

Prepared & Analyzed: 03/29/21

2-Hexanone	9.5		5.0	ug/L	10.0		95	50-150		
Methyl tert-butyl ether (MTBE)	4.7		1.0	ug/L	5.00		93	50-150		
4-Methyl-2-pentanone	9.6		5.0	ug/L	10.0		96	50-150		
Methylene chloride	6.1		1.0	ug/L	5.00		122	0-200		
Methyl methacrylate	4.6	J	5.0	ug/L	5.00		91	50-150		
Styrene	4.2		1.0	ug/L	5.00		85	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,1,2,2-Tetrachloroethane	4.9		1.0	ug/L	5.00		98	50-150		
Tetrachloroethene	4.7		1.0	ug/L	5.00		94	50-150		
Toluene	4.5		1.0	ug/L	5.00		91	50-150		
1,1,1-Trichloroethane	5.0		1.0	ug/L	5.00		101	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Trichloroethene	4.9		1.0	ug/L	5.00		99	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.00		104	50-150		
1,2,3-Trichloropropane	5.0		1.0	ug/L	5.00		100	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		79	50-150		
Vinyl chloride	5.0		1.0	ug/L	5.00		99	50-150		
o-Xylene	4.4		1.0	ug/L	5.00		88	50-150		
m- & p-Xylenes	8.9		1.0	ug/L	10.0		89	50-150		
Surrogate: 1,2-Dichloroethane-d4	53.38			ug/L	50.0		107	70-130		
Surrogate: Toluene-d8	49.50			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	48.82			ug/L	50.0		98	75-120		

Duplicate (B103511-DUP1)

Source: 1032313-01

Prepared & Analyzed: 03/30/21

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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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

Duplicate (B103511-DUP1)	Source: 1032313-01	Prepared & Analyzed: 03/30/21		
2-Butanone (MEK)	ND	5.0 ug/L	ND	20
Carbon disulfide	ND	1.0 ug/L	ND	20
Carbon tetrachloride	ND	1.0 ug/L	ND	20
Chlorobenzene	ND	1.0 ug/L	ND	20
Chloroethane	ND	1.0 ug/L	ND	20
Chloroform	ND	1.0 ug/L	ND	20
Chloromethane	ND	1.0 ug/L	ND	20
Chloroprene	ND	1.0 ug/L	ND	20
Dibromochloromethane	ND	1.0 ug/L	ND	20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20
Dibromomethane	ND	1.0 ug/L	ND	20
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	20
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

Duplicate (B103511-DUP1)	Source: 1032313-01	Prepared & Analyzed: 03/30/21
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
Tetrachloroethane	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	55.11	50.0 ug/L
Surrogate: Toluene-d8	49.64	50.0 ug/L
Surrogate: 4-Bromofluorobenzene	48.29	50.0 ug/L

Matrix Spike (B103511-MS1)	Source: 1032313-02	Prepared & Analyzed: 03/30/21
Acetone	14.9	5.0 ug/L
Benzene	11.1	1.0 ug/L
Bromochloromethane	10.6	1.0 ug/L
Bromodichloromethane	11.5	1.0 ug/L
Bromoform	10.0	1.0 ug/L
Bromomethane	8.4	1.0 ug/L
2-Butanone (MEK)	10.9	5.0 ug/L
Carbon disulfide	10.3	1.0 ug/L
Carbon tetrachloride	11.4	1.0 ug/L

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

Matrix Spike (B103511-MS1)	Source: 1032313-02		Prepared & Analyzed: 03/30/21							
Chlorobenzene	10.4	1.0	ug/L	10.0	ND	104	60-120			
Chloroethane	16.4	1.0	ug/L	10.0	ND	164	60-120			
Chloroform	10.3	1.0	ug/L	10.0	ND	103	60-120			
Chloromethane	9.4	1.0	ug/L	10.0	ND	94	60-120			
Dibromochloromethane	10.4	1.0	ug/L	10.0	ND	104	60-120			
1,2-Dibromo-3-chloropropane	9.3	1.0	ug/L	10.0	ND	93	60-120			
1,2-Dibromoethane (EDB)	10.0	1.0	ug/L	10.0	ND	100	60-120			
Dibromomethane	10.8	1.0	ug/L	10.0	ND	108	60-120			
1,2-Dichlorobenzene	8.7	1.0	ug/L	10.0	ND	87	60-120			
1,4-Dichlorobenzene	9.0	1.0	ug/L	10.0	ND	90	60-120			
1,1-Dichloroethane	11.6	1.0	ug/L	10.0	ND	116	60-120			
1,2-Dichloroethane	11.8	1.0	ug/L	10.0	ND	118	60-120			
1,1-Dichloroethene	10.7	1.0	ug/L	10.0	ND	107	60-120			
cis-1,2-Dichloroethene	15.3	1.0	ug/L	10.0	4.8	104	60-120			
trans-1,2-Dichloroethene	10.2	1.0	ug/L	10.0	ND	102	60-120			
1,2-Dichloropropane	11.0	1.0	ug/L	10.0	ND	110	60-120			
1,3-Dichloropropane	10.5	1.0	ug/L	10.0	ND	105	60-120			
2,2-Dichloropropane	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,1-Dichloropropene	10.0	1.0	ug/L	10.0	ND	100	60-120			
cis-1,3-Dichloropropene	9.5	1.0	ug/L	10.0	ND	95	60-120			
trans-1,3-Dichloropropene	9.1	1.0	ug/L	10.0	ND	91	60-120			
Ethylbenzene	9.4	1.0	ug/L	10.0	ND	94	60-120			
2-Hexanone	10.0	5.0	ug/L	10.0	ND	100	60-120			
Methyl tert-butyl ether (MTBE)	10.4	1.0	ug/L	10.0	ND	104	60-120			
4-Methyl-2-pentanone	10.3	5.0	ug/L	10.0	ND	103	60-120			
Methylene chloride	11.8	1.0	ug/L	10.0	ND	118	60-120			
Methyl methacrylate	10.1	5.0	ug/L	10.0	ND	101	60-120			
Styrene	9.2	1.0	ug/L	10.0	ND	92	60-120			
1,1,1,2-Tetrachloroethane	10.8	1.0	ug/L	10.0	ND	108	60-120			
1,1,2,2-Tetrachloroethane	10.1	1.0	ug/L	10.0	ND	101	60-120			
Tetrachloroethene	8.5	1.0	ug/L	10.0	ND	85	60-120			

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103511 - GCMS-WATER-VOLATILES

Matrix Spike (B103511-MS1)	Source: 1032313-02	Prepared & Analyzed: 03/30/21
Toluene	9.8	1.0 ug/L 10.0 ND 98 60-120
1,1,1-Trichloroethane	11.9	1.0 ug/L 10.0 ND 119 60-120
1,1,2-Trichloroethane	10.7	1.0 ug/L 10.0 ND 107 60-120
Trichloroethene	13.6	1.0 ug/L 10.0 3.7 100 60-120
Trichlorofluoromethane (Freon 11)	10.6	1.0 ug/L 10.0 ND 106 60-120
1,2,3-Trichloropropane	10.5	1.0 ug/L 10.0 ND 105 60-120
Vinyl acetate	9.1	1.0 ug/L 10.0 ND 91 60-120
Vinyl chloride	10.3	1.0 ug/L 10.0 ND 103 60-120
o-Xylene	9.2	1.0 ug/L 10.0 ND 92 60-120
m- & p-Xylenes	17.9	1.0 ug/L 20.0 ND 89 60-120
Surrogate: 1,2-Dichloroethane-d4	52.32	ug/L 50.0 105 70-130
Surrogate: Toluene-d8	49.42	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	49.60	ug/L 50.0 99 75-120



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103501 - 504.1 EDB/DBCP										
Blank (B103501-BLK1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103501-BLK2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B103501-BS1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	0.092		0.050	ug/L	0.100		92	50-150		
1,2-Dibromoethane (EDB)	0.103		0.020	ug/L	0.100		103	50-150		
LCS (B103501-BS2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	0.091		0.050	ug/L	0.100		91	50-150		
1,2-Dibromoethane (EDB)	0.100		0.020	ug/L	0.100		100	50-150		
Matrix Spike (B103501-MS1)					Source: 1032218-09		Prepared & Analyzed: 03/29/21			
1,2-Dibromo-3-chloropropane	0.264		0.047	ug/L	0.235	ND	113	50-150		
1,2-Dibromoethane (EDB)	0.293		0.019	ug/L	0.235	ND	125	50-150		
Matrix Spike (B103501-MS2)					Source: 1032313-07		Prepared: 03/29/21 Analyzed: 03/30/21			
1,2-Dibromo-3-chloropropane	0.247		0.047	ug/L	0.235	ND	105	50-150		
1,2-Dibromoethane (EDB)	0.255		0.019	ug/L	0.235	ND	109	50-150		
Reference (B103501-SRM1)					Prepared & Analyzed: 03/29/21					
1,2-Dibromo-3-chloropropane	0.023		0.050	ug/L	0.0200		115	0-200		
1,2-Dibromoethane (EDB)	0.021		0.020	ug/L	0.0200		107	0-200		
Reference (B103501-SRM2)					Prepared: 03/29/21 Analyzed: 03/30/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.021		0.020	ug/L	0.0200		103	0-200		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103562 - 504.1 EDB/DBCP										
Blank (B103562-BLK1)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103562-BLK2)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103562-BLK3)					Prepared: 03/31/21 Analyzed: 04/02/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B103562-BS1)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	0.100		0.050	ug/L	0.100		100	50-150		
1,2-Dibromoethane (EDB)	0.114		0.020	ug/L	0.100		114	50-150		
LCS (B103562-BS2)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.100		85	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		
LCS (B103562-BS3)					Prepared: 03/31/21 Analyzed: 04/02/21					
1,2-Dibromo-3-chloropropane	0.088		0.050	ug/L	0.100		88	50-150		
1,2-Dibromoethane (EDB)	0.110		0.020	ug/L	0.100		110	50-150		
Matrix Spike (B103562-MS1)			Source: 1032437-02			Prepared: 03/31/21 Analyzed: 04/01/21				
1,2-Dibromo-3-chloropropane	0.180		0.047	ug/L	0.190	ND	95	50-150		
1,2-Dibromoethane (EDB)	0.203		0.019	ug/L	0.190	ND	107	50-150		
Matrix Spike (B103562-MS2)			Source: 1032911-08			Prepared: 03/31/21 Analyzed: 04/01/21				
1,2-Dibromo-3-chloropropane	0.179		0.048	ug/L	0.190	ND	94	50-150		
1,2-Dibromoethane (EDB)	0.200		0.019	ug/L	0.190	ND	105	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103562 - 504.1 EDB/DBCP

Matrix Spike (B103562-MS3)		Source: 1033103-09		Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.193	0.047	ug/L	0.189	ND	102	50-150
1,2-Dibromoethane (EDB)	0.218	0.019	ug/L	0.189	ND	116	50-150
Reference (B103562-SRM1)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.020	0.050	ug/L	0.0200		101	0-200
1,2-Dibromoethane (EDB)	0.026	0.020	ug/L	0.0200		129	0-200
Reference (B103562-SRM2)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.012	0.050	ug/L	0.0200		62	0-200
1,2-Dibromoethane (EDB)	0.018	0.020	ug/L	0.0200		90	0-200
Reference (B103562-SRM3)				Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.018	0.050	ug/L	0.0200		89	0-200
1,2-Dibromoethane (EDB)	0.017	0.020	ug/L	0.0200		85	0-200



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103446 - 3010A-Metals Digestion

Blank (B103446-BLK1)

Prepared & Analyzed: 03/25/21

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	5.82	B	4.00	ug/L						

LCS (B103446-BS1)

Prepared & Analyzed: 03/25/21

Antimony	46.8		1.00	ug/L	50.0		94	80-120		
Arsenic	48.4		1.00	ug/L	50.0		97	80-120		
Barium	48.2		1.00	ug/L	50.0		96	80-120		
Beryllium	46.7		1.00	ug/L	50.0		93	80-120		
Cadmium	48.6		1.00	ug/L	50.0		97	80-120		
Calcium	4900		80.0	ug/L	5000		98	80-120		
Chromium	49.0		1.00	ug/L	50.0		98	80-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103446 - 3010A-Metals Digestion

LCS (B103446-BS1)

Prepared & Analyzed: 03/25/21

Cobalt	50.3		1.00	ug/L	50.0		101	80-120		
Copper	52.2		1.00	ug/L	50.0		104	80-120		
Iron	5050		100	ug/L	5000		101	80-120		
Lead	47.7		1.00	ug/L	50.0		95	80-120		
Magnesium	5100		100	ug/L	5000		102	80-120		
Manganese	50.3		1.00	ug/L	50.0		101	80-120		
Mercury	2.29		0.100	ug/L	2.50		92	80-120		
Nickel	49.9		1.00	ug/L	50.0		100	80-120		
Potassium	4920		100	ug/L	5000		98	80-120		
Selenium	49.6		1.00	ug/L	50.0		99	80-120		
Silver	49.7		1.00	ug/L	50.0		99	80-120		
Sodium	5310		100	ug/L	5000		106	80-120		
Thallium	49.3		1.00	ug/L	50.0		99	80-120		
Vanadium	47.3		1.00	ug/L	50.0		95	80-120		
Zinc	102	B	4.00	ug/L	100		102	80-120		

Duplicate (B103446-DUP1)

Source: 1032405-01

Prepared & Analyzed: 03/25/21

Hardness as CaCO3	190000		500	ug/L		193000			1	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	34.8		1.00	ug/L		35.6			2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	50800		80.0	ug/L		51700			2	200
Chromium	1.26		1.00	ug/L		1.27			0.7	200
Cobalt	ND		1.00	ug/L		ND				200
Copper	4.73		1.00	ug/L		5.19			9	200
Iron	626		100	ug/L		690			10	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	15400		100	ug/L		15500			0.4	200
Manganese	2170	E	1.00	ug/L		2180			0.3	200
Mercury	ND		0.100	ug/L		ND				200

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103446 - 3010A-Metals Digestion

Duplicate (B103446-DUP1)		Source: 1032405-01			Prepared & Analyzed: 03/25/21					
Nickel	ND		1.00	ug/L	ND					200
Potassium	4670		100	ug/L	4780				2	200
Selenium	ND		1.00	ug/L	ND					200
Silver	ND		1.00	ug/L	ND					200
Sodium	11100		100	ug/L	11200				1	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 (B103446-MS1)		Source: 1032405-01			Prepared & Analyzed: 03/25/21					
Antimony	48.7		1.00	ug/L	50.0	ND	97	60-140		
Arsenic	49.4		1.00	ug/L	50.0	ND	99	60-140		
Barium	85.7		1.00	ug/L	50.0	35.6	100	60-140		
Beryllium	49.7		1.00	ug/L	50.0	ND	99	60-140		
Cadmium	49.8		1.00	ug/L	50.0	ND	100	60-140		
Calcium	56600		80.0	ug/L	5000	51700	97	60-140		
Chromium	51.5		1.00	ug/L	50.0	1.27	101	60-140		
Cobalt	49.9		1.00	ug/L	50.0	ND	100	60-140		
Copper	55.3		1.00	ug/L	50.0	5.19	100	60-140		
Iron	5780		100	ug/L	5000	690	102	60-140		
Lead	49.3		1.00	ug/L	50.0	ND	99	60-140		
Magnesium	20700		100	ug/L	5000	15500	105	60-140		
Manganese	2240	E	1.00	ug/L	50.0	2180	129	60-140		
Mercury	2.45		0.100	ug/L	2.50	ND	98	60-140		
Nickel	50.1		1.00	ug/L	50.0	ND	100	60-140		
Potassium	9750		100	ug/L	5000	4780	99	60-140		
Selenium	48.6		1.00	ug/L	50.0	ND	97	60-140		
Silver	49.4		1.00	ug/L	50.0	ND	99	60-140		
Sodium	16500		100	ug/L	5000	11200	104	60-140		
Thallium	52.0		1.00	ug/L	50.0	ND	104	60-140		
Vanadium	49.3		1.00	ug/L	50.0	ND	99	60-140		
Zinc	101	B	4.00	ug/L	100	ND	101	60-140		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103550 - COD (03) Prep										
Blank (B103550-BLK1)					Prepared & Analyzed: 03/31/21					
COD	ND		3.0	mg/L						
LCS (B103550-BS1)					Prepared & Analyzed: 03/31/21					
COD	50.2		3.0	mg/L	50.0		100	90-110		
Duplicate (B103550-DUP1)					Source: 1032415-01		Prepared & Analyzed: 03/31/21			
COD	30.3		3.0	mg/L		30.0			1	20
Matrix Spike (B103550-MS1)					Source: 1032415-01		Prepared & Analyzed: 03/31/21			
COD	77.7		3.0	mg/L	50.0	30.0	95	90-110		



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Conductivity by SM2510 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103434 - Conductivity										
Duplicate (B103434-DUP1)			Source: 1032415-01			Prepared & Analyzed: 03/24/21				
Conductivity	882			uS/cm		884			0.2	200
Duplicate (B103434-DUP2)			Source: 1032405-01			Prepared & Analyzed: 03/24/21				
Conductivity	485			uS/cm		485			0.08	200
Duplicate (B103434-DUP3)			Source: 1032313-01			Prepared & Analyzed: 03/24/21				
Conductivity	935			uS/cm		935			0.06	200



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103436 - 300.0 Anions Prep

Blank (B103436-BLK1)

Prepared & Analyzed: 03/24/21

Chloride	ND		0.500	mg/L						
Nitrate (as N)	0.00			mg/L						
Sulfate	ND		0.3	mg/L						
Nitrate	ND		0.400	mg/L						

LCS (B103436-BS1)

Prepared & Analyzed: 03/24/21

Nitrate (as N)	0.831			mg/L				80-120		
Chloride	3.83		0.500	mg/L	4.00		96	80-120		
Sulfate	3.8		0.3	mg/L	4.00		95	80-120		
Nitrate	3.78		0.400	mg/L	4.00		94	80-120		

Duplicate (B103436-DUP1)

Source: 1032405-01

Prepared & Analyzed: 03/24/21

Chloride	8.91		0.500	mg/L		8.88			0.3	200
Nitrate (as N)	0.407			mg/L		0.406			0.2	200
Sulfate	90.1		0.3	mg/L		90.0			0.2	200
Nitrate	1.85		0.400	mg/L		1.85			0.2	200

Matrix Spike (B103436-MS1)

Source: 1032405-01

Prepared & Analyzed: 03/24/21

Nitrate (as N)	1.24			mg/L		0.406		80-120		
Sulfate	92.2	QM-4X	0.3	mg/L	4.00	90.0	55	80-120		
Chloride	12.8		0.500	mg/L	4.00	8.88	98	80-120		
Nitrate	5.66		0.400	mg/L	4.00	1.85	95	80-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

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 B103479 - TSS PREP										
Blank (B103479-BLK1)					Prepared: 03/26/21 Analyzed: 03/29/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B103479-BS1)					Prepared: 03/26/21 Analyzed: 03/29/21					
Solids, Suspended	56.3		2.5	mg/L	65.9		85	70-130		
Duplicate (B103479-DUP1)			Source: 1032415-02			Prepared: 03/26/21 Analyzed: 03/29/21				
Solids, Suspended	7.2		5.0	mg/L		8.9			21	20



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103543 - TDS Prep										
Blank (B103543-BLK1)					Prepared: 03/30/21 Analyzed: 03/31/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B103543-BS1)					Prepared: 03/30/21 Analyzed: 03/31/21					
Solids, Dissolved	738		10.0	mg/L	751		98	90-110		
Duplicate (B103543-DUP1)			Source: 1032415-03			Prepared: 03/30/21 Analyzed: 03/31/21				
Solids, Dissolved	622		10.0	mg/L		651			5	20



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1C0201 - No Prep WC										
Blank (B1C0201-BLK1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1C0201-BS1)					Prepared & Analyzed: 03/26/21					
Ammonia Nitrogen	2.07		0.10	mg/L	2.00		103	90-110		
Duplicate (B1C0201-DUP1)					Source: E066457-02		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	0.09		0.10	mg/L		0.10			8.36	20
Matrix Spike (B1C0201-MS1)					Source: E066457-02		Prepared & Analyzed: 03/26/21			
Ammonia Nitrogen	2.02		0.10	mg/L	2.00	0.10	96.3	90-110		



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1C0204 - No Prep WC

LCS (B1C0204-BS1)		Prepared: 03/26/21 Analyzed: 03/29/21								
Alkalinity as CaCO3	106		1.0	mg/L				90-110		
Duplicate (B1C0204-DUP1)		Source: E066457-02		Prepared: 03/26/21 Analyzed: 03/29/21						
Alkalinity as CaCO3	379		4.0	mg/L		377			0.455	20



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/06/21 09:27

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 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.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- B Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation



Will Brewington, President

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Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDÉ Landfill		Project ID: 1556404														
Sampler(s): A. Szamski		P.O. Number: 19541		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
MW-7	3/24/21	0847	X			11	+	+	+	+	+	HCl, H ₂ SO, HNO ₃		1032415-01		
CB02		0932	X			11	+	+	+	+	+			-02		
OR02A		1058	X			11	+	+	+	+	+			-03		
MW-23A		1110	X			11	+	+	+	+	+			-04		
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Relinquished by: (Signature)		Date/Time	Received by: (Signature)								
(Printed)		3/24/21	(Printed)		(Printed)		1240	(Printed)								
Relinquished by: (Signature)		Date/Time	Received by Lab: (Signature)		Turn Around Time:		Lab Use:									
(Printed)		12:45	(Printed)		<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: _____°C 9.8 <input type="checkbox"/> Received on Ice <input 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											

**SUBCONTRACT ORDER
Maryland Spectral Services**

66460

1032415

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

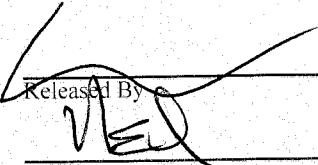
RECEIVING LABORATORY:

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
3-24-21 / L.F

Due 4:00 PM 03/31/21

Sample ID	Location	Water	Sampled	Laboratory ID	Comments
1032415-01	MW-7	Water	03/24/21 08:47		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
1032415-02	0B02	Water	03/24/21 09:32		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
1032415-03	0B02A	Water	03/24/21 10:08		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
1032415-04	MW-23A	Water	03/24/21 11:10		
Alkalinity		Nitrogen, Ammonia			
Containers Supplied: Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					

Released By:  Date: 3-25-21 10:52
 Received By: FRD Date: 3-25-21 11:36
 Released By: _____ Date: _____
 Received By: _____ Date: _____

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09 April 2021

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 03/25/21 16:48.

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,



Rabecka Koons
Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/09/21 17:36

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
0B08		1032523-01	Nonpotable Water	03/25/21 09:35	03/25/21 16:48
0B08A		1032523-02	Nonpotable Water	03/25/21 10:10	03/25/21 16:48
MW-24B		1032523-03	Nonpotable Water	03/25/21 11:00	03/25/21 16:48
MW-24A		1032523-04	Nonpotable Water	03/25/21 12:00	03/25/21 16:48
MW-2B		1032523-05	Nonpotable Water	03/25/21 13:05	03/25/21 16:48
MW-2A		1032523-06	Nonpotable Water	03/25/21 13:55	03/25/21 16:48
MW-23B		1032523-07	Nonpotable Water	03/25/21 15:25	03/25/21 16:48
DUP-0B40		1032523-08	Nonpotable Water	03/25/21 00:00	03/25/21 16:48



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08

1032523-01 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.26		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.15		NTU	0.500	0.110	1	03/26/21	03/26/21 15:03	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:37	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:37	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Benzene	1.3		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:37	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Chlorobenzene	12.2		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,4-Dichlorobenzene	6.9		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
cis-1,2-Dichloroethene	8.2		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08

1032523-01 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 17:37	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:37	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:37	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 17:37	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:37	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 17:37	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Vinyl chloride	1.4		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 17:37	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/29/21		03/29/21 17:37		
Surrogate: Toluene-d8			75-120	99 %	03/29/21		03/29/21 17:37		
Surrogate: 4-Bromofluorobenzene			75-120	102 %	03/29/21		03/29/21 17:37		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08

1032523-01 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 13:28	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 13:28	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	234000		ug/L	500	500	1	03/26/21	03/29/21 15:26	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Arsenic	2.28		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Barium	57.4		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Calcium	51100		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:26	VVD
Chromium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Cobalt	17.9		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Copper	2.22		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Iron	4190		ug/L	100	5.00	1	03/26/21	03/29/21 15:26	VVD
Lead	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Magnesium	25900		ug/L	100	100	1	03/26/21	03/29/21 15:26	VVD
Manganese	8280		ug/L	10.0	10.0	10	03/26/21	03/29/21 19:07	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:26	VVD
Nickel	6.28		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Potassium	2890		ug/L	100	100	1	03/26/21	03/29/21 15:26	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Sodium	34900		ug/L	100	100	1	03/26/21	03/29/21 15:26	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:26	VVD
Zinc	11.2		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:26	VVD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08

1032523-01 (Nonpotable Water)
Sample Date: 03/25/21

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	6.5		mg/L	3.0	3.0	1	03/26/21	03/26/21 13:49	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	694		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	77.0		mg/L	0.500	0.500	1	03/25/21	03/26/21 01:39	VVD
Nitrate (as N)	0.140		mg/L			1	03/25/21	03/26/21 01:39	VVD
Sulfate	3.4		mg/L	0.3	0.3	1	03/25/21	03/26/21 01:39	VVD
Nitrate	0.638		mg/L	0.050	0.050	1	03/25/21	03/26/21 01:39	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.8		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	309		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.35		mg/L	0.10	0.05	1	03/31/21	03/31/21 12:41	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	232		mg/L	1.0	1.0	1	03/26/21	03/31/21 12:23	FRD



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08A

1032523-02 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.94		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/26/21	03/26/21 15:05	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:02	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:02	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:02	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08A

1032523-02 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 18:02	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:02	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:02	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 18:02	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:02	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:02	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:02	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/29/21		03/29/21 18:02		
Surrogate: Toluene-d8			75-120	98 %	03/29/21		03/29/21 18:02		
Surrogate: 4-Bromofluorobenzene			75-120	101 %	03/29/21		03/29/21 18:02		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08A

**1032523-02 (Nonpotable Water)
Sample Date: 03/25/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 13:44	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 13:44	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	190000		ug/L	500	500	1	03/26/21	03/29/21 15:29	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Barium	55.0		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Calcium	52700		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:29	VVD
Chromium	1.54		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Copper	2.11		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Iron	67.2	J	ug/L	100	5.00	1	03/26/21	03/29/21 15:29	VVD
Lead	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Magnesium	14300		ug/L	100	100	1	03/26/21	03/29/21 15:29	VVD
Manganese	1710		ug/L	10.0	10.0	10	03/26/21	03/29/21 19:10	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:29	VVD
Nickel	3.25		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Potassium	3610		ug/L	100	100	1	03/26/21	03/29/21 15:29	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Sodium	25000		ug/L	100	100	1	03/26/21	03/29/21 15:29	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:29	VVD
Zinc	6.00		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:29	VVD



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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

0B08A

1032523-02 (Nonpotable Water)
Sample Date: 03/25/21

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	03/26/21	03/26/21 13:50	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	547		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	46.8		mg/L	0.500	0.500	1	03/25/21	03/26/21 01:57	VVD
Nitrate (as N)	0.248		mg/L			1	03/25/21	03/26/21 01:57	VVD
Sulfate	9.5		mg/L	0.3	0.3	1	03/25/21	03/26/21 01:57	VVD
Nitrate	1.13		mg/L	0.050	0.050	1	03/25/21	03/26/21 01:57	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	3.3		mg/L	2.2	2.2	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	377		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/31/21	03/31/21 12:47	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	201		mg/L	1.0	1.0	1	03/26/21	03/31/21 12:23	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24B

1032523-03 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.50		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	144		NTU	2.50	0.550	5	03/26/21	03/26/21 15:09	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:26	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:26	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Benzene	5.9		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:26	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Chlorobenzene	4.5		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Chloroethane	2.2		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,4-Dichlorobenzene	14.8		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,1-Dichloroethane	2.6		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
cis-1,2-Dichloroethene	2.4		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
trans-1,2-Dichloroethene	2.7		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS



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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24B

1032523-03 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 18:26	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:26	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:26	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 18:26	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:26	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:26	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Vinyl chloride	1.7		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
o-Xylene	1.0		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:26	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	101 %			03/29/21	03/29/21 18:26	
Surrogate: Toluene-d8			75-120	99 %			03/29/21	03/29/21 18:26	
Surrogate: 4-Bromofluorobenzene			75-120	101 %			03/29/21	03/29/21 18:26	



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24B

1032523-03 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 13:59	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 13:59	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	569000		ug/L	500	500	1	03/26/21	03/29/21 15:31	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Arsenic	32.6		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Barium	205		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Calcium	93900		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:31	VVD
Chromium	2.16		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Cobalt	55.0		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Copper	1.24		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Iron	48100		ug/L	100	5.00	1	03/26/21	03/29/21 15:31	VVD
Lead	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Magnesium	81400		ug/L	100	100	1	03/26/21	03/29/21 15:31	VVD
Manganese	4330		ug/L	10.0	10.0	10	03/26/21	03/29/21 19:12	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:31	VVD
Nickel	15.6		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Potassium	3980		ug/L	100	100	1	03/26/21	03/29/21 15:31	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Sodium	34400		ug/L	100	100	1	03/26/21	03/29/21 15:31	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:31	VVD
Zinc	4.45		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:31	VVD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24B

1032523-03 (Nonpotable Water)
Sample Date: 03/25/21

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	31.4		mg/L	3.0	3.0	1	03/26/21	03/26/21 13:58	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1570		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	331		mg/L	0.500	0.500	1	03/25/21	03/26/21 02:51	VVD
Nitrate (as N)	0.00		mg/L			1	03/25/21	03/26/21 02:51	VVD
Sulfate	ND		mg/L	0.3	0.3	1	03/25/21	03/26/21 02:51	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/25/21	03/26/21 02:51	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	55.7		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	843		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.13		mg/L	0.10	0.05	1	03/31/21	03/31/21 12:50	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	303		mg/L	4.0	4.0	4	03/26/21	03/31/21 12:23	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24A

1032523-04 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.98		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	10.6		NTU	0.500	0.110	1	03/26/21	03/26/21 15:10	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:50	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:50	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Benzene	4.3		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:50	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Chlorobenzene	10.9		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,2-Dichlorobenzene	1.1		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,4-Dichlorobenzene	15.3		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,1-Dichloroethane	1.3		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
cis-1,2-Dichloroethene	3.0		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
trans-1,2-Dichloroethene	1.9		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24A

1032523-04 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 18:50	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:50	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:50	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 18:50	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:50	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 18:50	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Vinyl chloride	12.7		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 18:50	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			03/29/21	03/29/21 18:50	
Surrogate: Toluene-d8			75-120	98 %			03/29/21	03/29/21 18:50	
Surrogate: 4-Bromofluorobenzene			75-120	101 %			03/29/21	03/29/21 18:50	



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24A

1032523-04 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 14:15	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 14:15	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	449000		ug/L	500	500	1	03/26/21	03/29/21 15:34	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Arsenic	4.92		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Barium	280		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Calcium	66400		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:34	VVD
Chromium	2.81		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Cobalt	65.5		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Copper	2.42		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Iron	22300		ug/L	100	5.00	1	03/26/21	03/29/21 15:34	VVD
Lead	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Magnesium	68900		ug/L	100	100	1	03/26/21	03/29/21 15:34	VVD
Manganese	9820		ug/L	10.0	10.0	10	03/26/21	03/29/21 19:15	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:34	VVD
Nickel	35.9		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Potassium	5120		ug/L	100	100	1	03/26/21	03/29/21 15:34	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Sodium	48100		ug/L	100	100	1	03/26/21	03/29/21 15:34	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:34	VVD
Zinc	11.2		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:34	VVD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-24A

1032523-04 (Nonpotable Water)
Sample Date: 03/25/21

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	29.6		mg/L	3.0	3.0	1	03/26/21	03/26/21 13:58	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1450		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	356		mg/L	0.500	0.500	1	03/25/21	03/26/21 03:09	VVD
Nitrate (as N)	0.00		mg/L			1	03/25/21	03/26/21 03:09	VVD
Sulfate	ND		mg/L	0.3	0.3	1	03/25/21	03/26/21 03:09	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/25/21	03/26/21 03:09	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	384		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	664		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.64		mg/L	0.10	0.05	1	03/31/21	03/31/21 12:52	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	178		mg/L	2.0	2.0	2	03/26/21	03/31/21 12:23	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2B

1032523-05 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.46		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/26/21	03/26/21 15:12	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:14	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:14	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:14	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2B

1032523-05 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 19:14	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:14	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:14	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 19:14	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:14	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:14	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:14	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/29/21		03/29/21 19:14		
Surrogate: Toluene-d8			75-120	98 %	03/29/21		03/29/21 19:14		
Surrogate: 4-Bromofluorobenzene			75-120	101 %	03/29/21		03/29/21 19:14		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2B

1032523-05 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/31/21	04/01/21 14:30	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 14:30	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	16200		ug/L	500	500	1	03/26/21	03/29/21 15:36	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Barium	10.3		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Calcium	2930		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:36	VVD
Chromium	2.09		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Copper	2.35		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Iron	39.8	J	ug/L	100	5.00	1	03/26/21	03/29/21 15:36	VVD
Lead	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Magnesium	2170		ug/L	100	100	1	03/26/21	03/29/21 15:36	VVD
Manganese	49.0		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Mercury	0.341		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:36	VVD
Nickel	2.31		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Potassium	1240		ug/L	100	100	1	03/26/21	03/29/21 15:36	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Sodium	3430		ug/L	100	100	1	03/26/21	03/29/21 15:36	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:36	VVD
Zinc	23.0		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:36	VVD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2B

1032523-05 (Nonpotable Water)
Sample Date: 03/25/21

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	03/26/21	03/26/21 13:58	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	53.3		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	3.59		mg/L	0.500	0.500	1	03/25/21	03/26/21 03:27	VVD
Nitrate (as N)	0.250		mg/L			1	03/25/21	03/26/21 03:27	VVD
Sulfate	1.8		mg/L	0.3	0.3	1	03/25/21	03/26/21 03:27	VVD
Nitrate	1.14		mg/L	0.050	0.050	1	03/25/21	03/26/21 03:27	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	10.2		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	40.0		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/31/21	03/31/21 12:54	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	17.7		mg/L	1.0	1.0	1	03/26/21	03/31/21 12:23	FRD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2A

1032523-06 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.49		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	1.71		NTU	0.500	0.110	1	03/26/21	03/26/21 15:13	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:39	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:39	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:39	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2A

1032523-06 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 19:39	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:39	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:39	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 19:39	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:39	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 19:39	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 19:39	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %	03/29/21		03/29/21 19:39		
Surrogate: Toluene-d8			75-120	98 %	03/29/21		03/29/21 19:39		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	03/29/21		03/29/21 19:39		



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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2A

1032523-06 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 14:46	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 14:46	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	16300		ug/L	500	500	1	03/26/21	03/29/21 15:39	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Arsenic	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Barium	9.17		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Calcium	2960		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:39	VVD
Chromium	3.39		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Cobalt	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Copper	2.39		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Iron	243		ug/L	100	5.00	1	03/26/21	03/29/21 15:39	VVD
Lead	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Magnesium	2150		ug/L	100	100	1	03/26/21	03/29/21 15:39	VVD
Manganese	43.3		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Mercury	0.207		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:39	VVD
Nickel	3.36		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Potassium	1310		ug/L	100	100	1	03/26/21	03/29/21 15:39	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Sodium	3550		ug/L	100	100	1	03/26/21	03/29/21 15:39	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:39	VVD
Zinc	15.2		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:39	VVD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-2A

1032523-06 (Nonpotable Water)
Sample Date: 03/25/21

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	03/26/21	03/26/21 13:59	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	54.1		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	3.22		mg/L	0.500	0.500	1	03/25/21	03/26/21 03:45	VVD
Nitrate (as N)	0.083		mg/L			1	03/25/21	03/26/21 03:45	VVD
Sulfate	1.6		mg/L	0.3	0.3	1	03/25/21	03/26/21 03:45	VVD
Nitrate	0.376		mg/L	0.050	0.050	1	03/25/21	03/26/21 03:45	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	66.8		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	42.0		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/31/21	03/31/21 12:56	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	18.1		mg/L	1.0	1.0	1	03/26/21	03/31/21 12:23	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-23B

1032523-07 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.44		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	34.5		NTU	2.50	0.550	5	03/26/21	03/26/21 15:13	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:03	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:03	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Benzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:03	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
cis-1,2-Dichloroethene	4.0		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-23B

1032523-07 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 20:03	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:03	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:03	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 20:03	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:03	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:03	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Tetrachloroethene	2.1		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Trichloroethene	1.0		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:03	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			03/29/21	03/29/21 20:03	
Surrogate: Toluene-d8			75-120	99 %			03/29/21	03/29/21 20:03	
Surrogate: 4-Bromofluorobenzene			75-120	101 %			03/29/21	03/29/21 20:03	



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-23B

1032523-07 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	04/06/21	04/07/21 21:02	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 21:02	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	123000		ug/L	500	500	1	03/26/21	03/29/21 15:41	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Arsenic	1.14		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Barium	182		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Calcium	15700		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:41	VVD
Chromium	25.9		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Cobalt	8.22		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Copper	4.70		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Iron	9960		ug/L	100	5.00	1	03/26/21	03/29/21 15:41	VVD
Lead	5.12		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Magnesium	20300		ug/L	100	100	1	03/26/21	03/29/21 15:41	VVD
Manganese	129		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Mercury	0.543		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:41	VVD
Nickel	24.5		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Potassium	3740		ug/L	100	100	1	03/26/21	03/29/21 15:41	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Sodium	23700		ug/L	100	100	1	03/26/21	03/29/21 15:41	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Vanadium	12.3		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:41	VVD
Zinc	80.6		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:41	VVD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

MW-23B

1032523-07 (Nonpotable Water)
Sample Date: 03/25/21

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	03/26/21	03/26/21 13:59	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	410		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	95.0		mg/L	0.500	0.500	1	03/25/21	03/26/21 04:04	VVD
Nitrate (as N)	3.46		mg/L			1	03/25/21	03/26/21 04:04	VVD
Sulfate	4.2		mg/L	0.3	0.3	1	03/25/21	03/26/21 04:04	VVD
Nitrate	15.7		mg/L	0.050	0.050	1	03/25/21	03/26/21 04:04	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	664		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	247		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	03/31/21	03/31/21 13:03	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	24.4		mg/L	1.0	1.0	1	03/26/21	03/31/21 12:23	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

DUP-0B40

1032523-08 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.47		pH Units			1	03/25/21	03/25/21 18:18	GEM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	24.4		NTU	0.500	0.110	1	03/26/21	03/26/21 15:15	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:27	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:27	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Benzene	6.0		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:27	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Chlorobenzene	4.9		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,4-Dichlorobenzene	15.9		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,1-Dichloroethane	2.8		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
cis-1,2-Dichloroethene	2.4		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
trans-1,2-Dichloroethene	2.7		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS



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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

DUP-0B40

1032523-08 (Nonpotable Water)
Sample Date: 03/25/21

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	03/29/21	03/29/21 20:27	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:27	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:27	AS
Isobutanol	ND		ug/L	100	100	1	03/29/21	03/29/21 20:27	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:27	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/29/21	03/29/21 20:27	AS
Styrene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Toluene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Vinyl chloride	2.2		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
o-Xylene	1.0		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/29/21	03/29/21 20:27	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			03/29/21	03/29/21 20:27	
Surrogate: Toluene-d8			75-120	98 %			03/29/21	03/29/21 20:27	
Surrogate: 4-Bromofluorobenzene			75-120	101 %			03/29/21	03/29/21 20:27	

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

DUP-0B40

1032523-08 (Nonpotable Water)
Sample Date: 03/25/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	04/06/21	04/07/21 21:17	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 21:17	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	559000		ug/L	500	500	1	03/26/21	03/29/21 15:44	VVD
Antimony	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Arsenic	31.5		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Barium	197		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Beryllium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Cadmium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Calcium	91800		ug/L	80.0	80.0	1	03/26/21	03/29/21 15:44	VVD
Chromium	1.26		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Cobalt	54.0		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Copper	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Iron	47100		ug/L	100	5.00	1	03/26/21	03/29/21 15:44	VVD
Lead	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Magnesium	80000		ug/L	100	100	1	03/26/21	03/29/21 15:44	VVD
Manganese	4390		ug/L	10.0	10.0	10	03/26/21	03/29/21 19:17	VVD
Mercury	ND		ug/L	0.100	0.100	1	03/26/21	03/29/21 15:44	VVD
Nickel	14.6		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Potassium	3890		ug/L	100	100	1	03/26/21	03/29/21 15:44	VVD
Selenium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Silver	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Sodium	33900		ug/L	100	100	1	03/26/21	03/29/21 15:44	VVD
Thallium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Vanadium	ND		ug/L	1.00	1.00	1	03/26/21	03/29/21 15:44	VVD
Zinc	ND		ug/L	4.00	4.00	1	03/26/21	03/29/21 15:44	VVD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

DUP-0B40

1032523-08 (Nonpotable Water)
Sample Date: 03/25/21

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	33.9		mg/L	3.0	3.0	1	03/26/21	03/26/21 13:59	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1570		uS/cm			1	03/26/21	03/26/21 17:37	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	333		mg/L	0.500	0.500	1	03/25/21	03/26/21 04:22	VVD
Nitrate (as N)	0.00		mg/L			1	03/25/21	03/26/21 04:22	VVD
Sulfate	ND		mg/L	0.3	0.3	1	03/25/21	03/26/21 04:22	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/25/21	03/26/21 04:22	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	17.5		mg/L	2.3	2.3	1	03/26/21	03/29/21 12:14	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	842		mg/L	10.0	10.0	1	03/26/21	03/29/21 15:54	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.13		mg/L	0.10	0.05	1	03/31/21	03/31/21 13:05	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	315		mg/L	4.0	4.0	4	03/26/21	03/31/21 12:23	FRD

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/09/21 17:36

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103472 - Turbidity Prep

Blank (B103472-BLK1)

Prepared & Analyzed: 03/26/21

Turbidity	ND		0.500	NTU						
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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

Blank (B103497-BLK1)

Prepared & Analyzed: 03/29/21

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



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

Blank (B103497-BLK1)

Prepared & Analyzed: 03/29/21

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	50.02			ug/L	50.0		100	70-130		
Surrogate: Toluene-d8	49.71			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	51.04			ug/L	50.0		102	75-120		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

LCS (B103497-BS1)

Prepared & Analyzed: 03/29/21

Acetone	9.6		5.0	ug/L	10.0		96	50-150		
Benzene	5.0		1.0	ug/L	5.00		99	50-150		
Bromochloromethane	5.3		1.0	ug/L	5.00		107	50-150		
Bromodichloromethane	4.9		1.0	ug/L	5.00		98	50-150		
Bromoform	4.7		1.0	ug/L	5.00		93	50-150		
Bromomethane	5.7		1.0	ug/L	5.00		114	50-150		
2-Butanone (MEK)	8.8		5.0	ug/L	10.0		88	50-150		
Carbon disulfide	5.5		1.0	ug/L	5.00		109	50-150		
Carbon tetrachloride	4.6		1.0	ug/L	5.00		92	50-150		
Chlorobenzene	5.0		1.0	ug/L	5.00		101	50-150		
Chloroethane	5.1		1.0	ug/L	5.00		103	50-150		
Chloroform	4.8		1.0	ug/L	5.00		96	50-150		
Chloromethane	5.4		1.0	ug/L	5.00		108	50-150		
Dibromochloromethane	4.6		1.0	ug/L	5.00		92	50-150		
1,2-Dibromo-3-chloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.00		93	50-150		
Dibromomethane	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		99	50-150		
1,4-Dichlorobenzene	4.9		1.0	ug/L	5.00		99	50-150		
1,1-Dichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichloroethane	4.8		1.0	ug/L	5.00		96	50-150		
1,1-Dichloroethene	4.8		1.0	ug/L	5.00		96	50-150		
cis-1,2-Dichloroethene	5.0		1.0	ug/L	5.00		100	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.00		100	50-150		
1,2-Dichloropropane	4.8		1.0	ug/L	5.00		95	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		98	50-150		
2,2-Dichloropropane	5.0		1.0	ug/L	5.00		100	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.00		95	50-150		
cis-1,3-Dichloropropene	4.9		1.0	ug/L	5.00		98	50-150		
trans-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.00		101	50-150		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

LCS (B103497-BS1)

Prepared & Analyzed: 03/29/21

2-Hexanone	9.2		5.0	ug/L	10.0		92	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.00		99	50-150		
4-Methyl-2-pentanone	9.2		5.0	ug/L	10.0		92	50-150		
Methylene chloride	5.4		1.0	ug/L	5.00		107	0-200		
Methyl methacrylate	4.5	J	5.0	ug/L	5.00		90	50-150		
Styrene	4.8		1.0	ug/L	5.00		97	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,1,2,2-Tetrachloroethane	4.6		1.0	ug/L	5.00		93	50-150		
Tetrachloroethene	4.8		1.0	ug/L	5.00		96	50-150		
Toluene	4.8		1.0	ug/L	5.00		97	50-150		
1,1,1-Trichloroethane	4.8		1.0	ug/L	5.00		95	50-150		
1,1,2-Trichloroethane	4.6		1.0	ug/L	5.00		91	50-150		
Trichloroethene	4.7		1.0	ug/L	5.00		94	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.00		104	50-150		
1,2,3-Trichloropropane	4.7		1.0	ug/L	5.00		93	50-150		
Vinyl acetate	3.9		1.0	ug/L	5.00		79	50-150		
Vinyl chloride	5.5		1.0	ug/L	5.00		110	50-150		
o-Xylene	4.9		1.0	ug/L	5.00		97	50-150		
m- & p-Xylenes	10.0		1.0	ug/L	10.0		100	50-150		
Surrogate: 1,2-Dichloroethane-d4	50.39			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	49.40			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	51.54			ug/L	50.0		103	75-120		

Duplicate (B103497-DUP1)

Source: 1032525-02

Prepared & Analyzed: 03/29/21

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

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

Duplicate (B103497-DUP1)	Source: 1032525-02	Prepared & Analyzed: 03/29/21		
2-Butanone (MEK)	ND	5.0 ug/L	ND	20
Carbon disulfide	ND	1.0 ug/L	ND	20
Carbon tetrachloride	ND	1.0 ug/L	ND	20
Chlorobenzene	ND	1.0 ug/L	ND	20
Chloroethane	ND	1.0 ug/L	ND	20
Chloroform	ND	1.0 ug/L	ND	20
Chloromethane	ND	1.0 ug/L	ND	20
Chloroprene	ND	1.0 ug/L	ND	20
Dibromochloromethane	ND	1.0 ug/L	ND	20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20
Dibromomethane	ND	1.0 ug/L	ND	20
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	20
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

Duplicate (B103497-DUP1)		Source: 1032525-02			Prepared & Analyzed: 03/29/21		
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
Tetrachloroethane	ND		1.0	ug/L	ND		20
Toluene	ND		1.0	ug/L	ND		20
1,1,1-Trichloroethane	ND		1.0	ug/L	ND		20
1,1,2-Trichloroethane	ND		1.0	ug/L	ND		20
Trichloroethene	ND		1.0	ug/L	ND		20
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L	ND		20
1,2,3-Trichloropropane	ND		1.0	ug/L	ND		20
Vinyl acetate	ND		1.0	ug/L	ND		20
Vinyl chloride	ND		1.0	ug/L	ND		20
o-Xylene	ND		1.0	ug/L	ND		20
m- & p-Xylenes	ND		1.0	ug/L	ND		20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.50</i>			<i>ug/L</i>	<i>50.0</i>	<i>103</i>	<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>49.27</i>			<i>ug/L</i>	<i>50.0</i>	<i>99</i>	<i>75-120</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.86</i>			<i>ug/L</i>	<i>50.0</i>	<i>100</i>	<i>75-120</i>

Matrix Spike (B103497-MS1)		Source: 1032525-03			Prepared & Analyzed: 03/29/21			
Acetone	11.4		5.0	ug/L	10.0	ND	114	60-120
Benzene	12.3		1.0	ug/L	10.0	ND	123	60-120
Bromochloromethane	12.0		1.0	ug/L	10.0	ND	120	60-120
Bromodichloromethane	11.5		1.0	ug/L	10.0	ND	115	60-120
Bromoform	11.0		1.0	ug/L	10.0	ND	110	60-120
Bromomethane	11.0		1.0	ug/L	10.0	ND	110	60-120
2-Butanone (MEK)	10.6		5.0	ug/L	10.0	ND	106	60-120
Carbon disulfide	11.2		1.0	ug/L	10.0	ND	112	60-120
Carbon tetrachloride	12.0		1.0	ug/L	10.0	ND	120	60-120



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

Matrix Spike (B103497-MS1)	Source: 1032525-03			Prepared & Analyzed: 03/29/21						
Chlorobenzene	11.5		1.0	ug/L	10.0	ND	115	60-120		
Chloroethane	12.7		1.0	ug/L	10.0	ND	127	60-120		
Chloroform	12.1		1.0	ug/L	10.0	ND	121	60-120		
Chloromethane	11.7		1.0	ug/L	10.0	ND	117	60-120		
Dibromochloromethane	11.5		1.0	ug/L	10.0	ND	115	60-120		
1,2-Dibromo-3-chloropropane	11.1		1.0	ug/L	10.0	ND	111	60-120		
1,2-Dibromoethane (EDB)	11.1		1.0	ug/L	10.0	ND	111	60-120		
Dibromomethane	11.5		1.0	ug/L	10.0	ND	115	60-120		
1,2-Dichlorobenzene	10.9		1.0	ug/L	10.0	ND	109	60-120		
1,4-Dichlorobenzene	10.4		1.0	ug/L	10.0	ND	104	60-120		
1,1-Dichloroethane	12.0		1.0	ug/L	10.0	ND	120	60-120		
1,2-Dichloroethane	11.6		1.0	ug/L	10.0	ND	116	60-120		
1,1-Dichloroethene	11.6		1.0	ug/L	10.0	ND	116	60-120		
cis-1,2-Dichloroethene	11.9		1.0	ug/L	10.0	ND	119	60-120		
trans-1,2-Dichloroethene	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,2-Dichloropropane	11.9		1.0	ug/L	10.0	ND	119	60-120		
1,3-Dichloropropane	11.8		1.0	ug/L	10.0	ND	118	60-120		
2,2-Dichloropropane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,1-Dichloropropene	10.8		1.0	ug/L	10.0	ND	108	60-120		
cis-1,3-Dichloropropene	10.9		1.0	ug/L	10.0	ND	109	60-120		
trans-1,3-Dichloropropene	10.7		1.0	ug/L	10.0	ND	107	60-120		
Ethylbenzene	11.6		1.0	ug/L	10.0	ND	116	60-120		
2-Hexanone	10.6		5.0	ug/L	10.0	ND	106	60-120		
Methyl tert-butyl ether (MTBE)	11.6		1.0	ug/L	10.0	ND	116	60-120		
4-Methyl-2-pentanone	10.9		5.0	ug/L	10.0	ND	109	60-120		
Methylene chloride	11.1		1.0	ug/L	10.0	ND	111	60-120		
Methyl methacrylate	10.8		5.0	ug/L	10.0	ND	108	60-120		
Styrene	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,1,1,2-Tetrachloroethane	11.4		1.0	ug/L	10.0	ND	114	60-120		
1,1,2,2-Tetrachloroethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
Tetrachloroethene	9.4		1.0	ug/L	10.0	ND	94	60-120		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103497 - GCMS-WATER-VOLATILES

Matrix Spike (B103497-MS1)	Source: 1032525-03	Prepared & Analyzed: 03/29/21
Toluene	11.5	1.0 ug/L 10.0 ND 115 60-120
1,1,1-Trichloroethane	12.1	1.0 ug/L 10.0 ND 121 60-120
1,1,2-Trichloroethane	11.5	1.0 ug/L 10.0 ND 115 60-120
Trichloroethene	11.3	1.0 ug/L 10.0 ND 113 60-120
Trichlorofluoromethane (Freon 11)	11.9	1.0 ug/L 10.0 ND 119 60-120
1,2,3-Trichloropropane	11.1	1.0 ug/L 10.0 ND 111 60-120
Vinyl acetate	9.2	1.0 ug/L 10.0 ND 92 60-120
Vinyl chloride	12.3	1.0 ug/L 10.0 ND 123 60-120
o-Xylene	11.4	1.0 ug/L 10.0 ND 114 60-120
m- & p-Xylenes	22.1	1.0 ug/L 20.0 ND 110 60-120
Surrogate: 1,2-Dichloroethane-d4	50.03	ug/L 50.0 100 70-130
Surrogate: Toluene-d8	49.53	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	50.49	ug/L 50.0 101 75-120



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103562 - 504.1 EDB/DBCP										
Blank (B103562-BLK1)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103562-BLK2)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103562-BLK3)					Prepared: 03/31/21 Analyzed: 04/02/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B103562-BS1)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	0.100		0.050	ug/L	0.100		100	50-150		
1,2-Dibromoethane (EDB)	0.114		0.020	ug/L	0.100		114	50-150		
LCS (B103562-BS2)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.100		85	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		
LCS (B103562-BS3)					Prepared: 03/31/21 Analyzed: 04/02/21					
1,2-Dibromo-3-chloropropane	0.088		0.050	ug/L	0.100		88	50-150		
1,2-Dibromoethane (EDB)	0.110		0.020	ug/L	0.100		110	50-150		
Matrix Spike (B103562-MS1)			Source: 1032437-02			Prepared: 03/31/21 Analyzed: 04/01/21				
1,2-Dibromo-3-chloropropane	0.180		0.047	ug/L	0.190	ND	95	50-150		
1,2-Dibromoethane (EDB)	0.203		0.019	ug/L	0.190	ND	107	50-150		
Matrix Spike (B103562-MS2)			Source: 1032911-08			Prepared: 03/31/21 Analyzed: 04/01/21				
1,2-Dibromo-3-chloropropane	0.179		0.048	ug/L	0.190	ND	94	50-150		
1,2-Dibromoethane (EDB)	0.200		0.019	ug/L	0.190	ND	105	50-150		

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Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103562 - 504.1 EDB/DBCP

Matrix Spike (B103562-MS3)		Source: 1033103-09		Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.193	0.047	ug/L	0.189	ND	102	50-150
1,2-Dibromoethane (EDB)	0.218	0.019	ug/L	0.189	ND	116	50-150
Reference (B103562-SRM1)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.020	0.050	ug/L	0.0200		101	0-200
1,2-Dibromoethane (EDB)	0.026	0.020	ug/L	0.0200		129	0-200
Reference (B103562-SRM2)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.012	0.050	ug/L	0.0200		62	0-200
1,2-Dibromoethane (EDB)	0.018	0.020	ug/L	0.0200		90	0-200
Reference (B103562-SRM3)				Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.018	0.050	ug/L	0.0200		89	0-200
1,2-Dibromoethane (EDB)	0.017	0.020	ug/L	0.0200		85	0-200

Batch B104085 - 504.1 EDB/DBCP

Blank (B104085-BLK1)				Prepared: 04/06/21		Analyzed: 04/07/21	
1,2-Dibromo-3-chloropropane	ND	0.050	ug/L				
1,2-Dibromoethane (EDB)	ND	0.020	ug/L				
Blank (B104085-BLK2)				Prepared: 04/06/21		Analyzed: 04/07/21	
1,2-Dibromo-3-chloropropane	ND	0.050	ug/L				
1,2-Dibromoethane (EDB)	ND	0.020	ug/L				
Blank (B104085-BLK3)				Prepared: 04/06/21		Analyzed: 04/08/21	
1,2-Dibromo-3-chloropropane	ND	0.050	ug/L				
1,2-Dibromoethane (EDB)	ND	0.020	ug/L				



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104085 - 504.1 EDB/DBCP										
Blank (B104085-BLK4)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK5)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B104085-BS1)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	0.081		0.050	ug/L	0.100		81	50-150		
1,2-Dibromoethane (EDB)	0.113		0.020	ug/L	0.100		113	50-150		
LCS (B104085-BS2)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.080		0.050	ug/L	0.100		80	50-150		
1,2-Dibromoethane (EDB)	0.116		0.020	ug/L	0.100		116	50-150		
LCS (B104085-BS3)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.087		0.050	ug/L	0.100		87	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		
LCS (B104085-BS4)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.093		0.050	ug/L	0.100		93	50-150		
1,2-Dibromoethane (EDB)	0.112		0.020	ug/L	0.100		112	50-150		
LCS (B104085-BS5)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.092		0.050	ug/L	0.100		92	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		
Matrix Spike (B104085-MS1)			Source: 1033104-01		Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	0.171		0.047	ug/L	0.189	ND	90	50-150		
1,2-Dibromoethane (EDB)	0.207		0.019	ug/L	0.189	ND	110	50-150		

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Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104085 - 504.1 EDB/DBCP										
Matrix Spike (B104085-MS2)			Source: 1040105-08		Prepared: 04/06/21		Analyzed: 04/08/21			
1,2-Dibromo-3-chloropropane	0.158		0.047	ug/L	0.188	ND	84	50-150		
1,2-Dibromoethane (EDB)	0.186		0.019	ug/L	0.188	ND	99	50-150		
Matrix Spike (B104085-MS3)			Source: 1040114-01		Prepared: 04/06/21		Analyzed: 04/08/21			
1,2-Dibromo-3-chloropropane	0.156		0.049	ug/L	0.194	ND	80	50-150		
1,2-Dibromoethane (EDB)	0.191		0.019	ug/L	0.194	ND	98	50-150		
Matrix Spike (B104085-MS4)			Source: 1040201-11		Prepared: 04/06/21		Analyzed: 04/08/21			
1,2-Dibromo-3-chloropropane	0.149		0.047	ug/L	0.188	ND	79	50-150		
1,2-Dibromoethane (EDB)	0.176		0.019	ug/L	0.188	ND	94	50-150		
Matrix Spike (B104085-MS5)			Source: 1040201-15		Prepared: 04/06/21		Analyzed: 04/08/21			
1,2-Dibromo-3-chloropropane	0.179		0.048	ug/L	0.191	ND	94	50-150		
1,2-Dibromoethane (EDB)	0.232		0.019	ug/L	0.191	ND	121	50-150		
Reference (B104085-SRM1)					Prepared: 04/06/21		Analyzed: 04/07/21			
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.0200		120	0-200		
Reference (B104085-SRM2)					Prepared: 04/06/21		Analyzed: 04/08/21			
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.0200		120	0-200		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103477 - 3010A-Metals Digestion

Blank (B103477-BLK1)

Prepared: 03/26/21 Analyzed: 03/29/21

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	15.9	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 (B103477-BS1)

Prepared: 03/26/21 Analyzed: 03/29/21

Antimony	47.1		1.00	ug/L	50.0		94	80-120		
Arsenic	49.1		1.00	ug/L	50.0		98	80-120		
Barium	48.6		1.00	ug/L	50.0		97	80-120		
Beryllium	47.8		1.00	ug/L	50.0		96	80-120		
Cadmium	49.4		1.00	ug/L	50.0		99	80-120		
Calcium	5130		80.0	ug/L	5000		103	80-120		
Chromium	49.9		1.00	ug/L	50.0		100	80-120		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103477 - 3010A-Metals Digestion

LCS (B103477-BS1)

Prepared: 03/26/21 Analyzed: 03/29/21

Cobalt	51.5		1.00	ug/L	50.0		103	80-120		
Copper	55.8		1.00	ug/L	50.0		112	80-120		
Iron	5150		100	ug/L	5000		103	80-120		
Lead	49.2		1.00	ug/L	50.0		98	80-120		
Magnesium	5160		100	ug/L	5000		103	80-120		
Manganese	51.5		1.00	ug/L	50.0		103	80-120		
Mercury	2.48		0.100	ug/L	2.50		99	80-120		
Nickel	51.6		1.00	ug/L	50.0		103	80-120		
Potassium	5160		100	ug/L	5000		103	80-120		
Selenium	49.5		1.00	ug/L	50.0		99	80-120		
Silver	49.8		1.00	ug/L	50.0		100	80-120		
Sodium	5390		100	ug/L	5000		108	80-120		
Thallium	48.8		1.00	ug/L	50.0		98	80-120		
Vanadium	48.8		1.00	ug/L	50.0		98	80-120		
Zinc	103		4.00	ug/L	100		103	80-120		

Duplicate (B103477-DUP1)

Source: 1032523-01

Prepared: 03/26/21 Analyzed: 03/29/21

Hardness as CaCO3	222000		500	ug/L		234000			6	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	2.19		1.00	ug/L		2.28			4	200
Barium	54.0		1.00	ug/L		57.4			6	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	48400		80.0	ug/L		51100			5	200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	17.0		1.00	ug/L		17.9			5	200
Copper	1.50		1.00	ug/L		2.22			39	200
Iron	3960		100	ug/L		4190			6	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	24500		100	ug/L		25900			6	200
Manganese	7520	E	1.00	ug/L		8280			10	200
Mercury	ND		0.100	ug/L		ND				200

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Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103477 - 3010A-Metals Digestion

Duplicate (B103477-DUP1)		Source: 1032523-01		Prepared: 03/26/21		Analyzed: 03/29/21		
Nickel	6.01		1.00	ug/L	6.28		4	200
Potassium	2750		100	ug/L	2890		5	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	32700		100	ug/L	34900		6	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	10.8		4.00	ug/L	11.2		4	200

Matrix Spike (B103477-MS1)		Source: 1032523-01		Prepared: 03/26/21		Analyzed: 03/29/21		
Antimony	47.9		1.00	ug/L	50.0	ND	96	60-140
Arsenic	51.3		1.00	ug/L	50.0	2.28	98	60-140
Barium	104		1.00	ug/L	50.0	57.4	94	60-140
Beryllium	47.9		1.00	ug/L	50.0	ND	96	60-140
Cadmium	49.5		1.00	ug/L	50.0	ND	99	60-140
Calcium	53200		80.0	ug/L	5000	51100	42	60-140
Chromium	50.7		1.00	ug/L	50.0	ND	101	60-140
Cobalt	66.9		1.00	ug/L	50.0	17.9	98	60-140
Copper	52.1		1.00	ug/L	50.0	2.22	100	60-140
Iron	9110		100	ug/L	5000	4190	98	60-140
Lead	49.7		1.00	ug/L	50.0	ND	99	60-140
Magnesium	29600		100	ug/L	5000	25900	73	60-140
Manganese	7500	E	1.00	ug/L	50.0	8280	NR	60-140
Mercury	2.60		0.100	ug/L	2.50	ND	104	60-140
Nickel	55.0		1.00	ug/L	50.0	6.28	98	60-140
Potassium	7790		100	ug/L	5000	2890	98	60-140
Selenium	49.1		1.00	ug/L	50.0	ND	98	60-140
Silver	49.2		1.00	ug/L	50.0	ND	98	60-140
Sodium	38000		100	ug/L	5000	34900	63	60-140
Thallium	49.3		1.00	ug/L	50.0	ND	99	60-140
Vanadium	49.7		1.00	ug/L	50.0	ND	99	60-140
Zinc	110		4.00	ug/L	100	11.2	99	60-140



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Chemical Oxygen Demand by EPA 410.4 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103471 - COD (03) Prep										
Blank (B103471-BLK1)					Prepared & Analyzed: 03/26/21					
COD	ND		3.0	mg/L						
LCS (B103471-BS1)					Prepared & Analyzed: 03/26/21					
COD	48.1		3.0	mg/L	50.0		96	90-110		
Duplicate (B103471-DUP1)					Source: 1032523-01		Prepared & Analyzed: 03/26/21			
COD	7.7		3.0	mg/L		6.5			16	20
Matrix Spike (B103471-MS1)					Source: 1032523-01		Prepared & Analyzed: 03/26/21			
COD	58.6		3.0	mg/L	50.0	6.5	104	90-110		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Conductivity by SM2510 - Quality Control

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

Batch B103486 - Conductivity

Duplicate (B103486-DUP1)		Source: 1032523-01		Prepared & Analyzed: 03/26/21						
Conductivity	688			uS/cm		694			0.9	200
Duplicate (B103486-DUP2)		Source: 1032525-02		Prepared & Analyzed: 03/26/21						
Conductivity	204			uS/cm		218			7	200



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103468 - 300.0 Anions Prep

Blank (B103468-BLK1)

Prepared & Analyzed: 03/25/21

Nitrate (as N)	0.00			mg/L						
Sulfate	ND		0.3	mg/L						
Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						

LCS (B103468-BS1)

Prepared & Analyzed: 03/25/21

Sulfate	3.8		0.3	mg/L	4.00		94	80-120		
Chloride	3.78		0.500	mg/L	4.00		95	80-120		
Nitrate (as N)	0.812			mg/L				80-120		
Nitrate	3.69		0.050	mg/L	4.00		92	80-120		

Duplicate (B103468-DUP1)

Source: 1032437-01

Prepared & Analyzed: 03/25/21

Chloride	61.6		0.500	mg/L		61.5			0.07	200
Nitrate (as N)	0.063			mg/L		0.073			15	200
Sulfate	25.6		0.3	mg/L		25.6			0.05	200
Nitrate	0.285		0.050	mg/L		0.331			15	200

Matrix Spike (B103468-MS1)

Source: 1032437-01

Prepared: 03/25/21 Analyzed: 03/26/21

Chloride	65.1		0.500	mg/L	4.00	61.5	90	80-120		
Nitrate (as N)	0.850			mg/L		0.073		80-120		
Sulfate	28.9		0.3	mg/L	4.00	25.6	83	80-120		
Nitrate	3.86		0.050	mg/L	4.00	0.331	88	80-120		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Total Suspended Solids by USGS I-3765-85 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103479 - TSS PREP										
Blank (B103479-BLK1)					Prepared: 03/26/21 Analyzed: 03/29/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B103479-BS1)					Prepared: 03/26/21 Analyzed: 03/29/21					
Solids, Suspended	56.3		2.5	mg/L	65.9		85	70-130		
Duplicate (B103479-DUP1)			Source: 1032415-02			Prepared: 03/26/21 Analyzed: 03/29/21				
Solids, Suspended	7.2		5.0	mg/L		8.9			21	20



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103492 - TDS Prep										
Blank (B103492-BLK1)					Prepared: 03/26/21 Analyzed: 03/29/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B103492-BS1)					Prepared: 03/26/21 Analyzed: 03/29/21					
Solids, Dissolved	732		10.0	mg/L	746		98	90-110		
Duplicate (B103492-DUP1)			Source: 1032523-01		Prepared: 03/26/21 Analyzed: 03/29/21					
Solids, Dissolved	372		10.0	mg/L		309			19	20



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1C0234 - No Prep WC										
Blank (B1C0234-BLK1)					Prepared & Analyzed: 03/31/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1C0234-BS1)					Prepared & Analyzed: 03/31/21					
Ammonia Nitrogen	2.06		0.10	mg/L	2.00		103	90-110		
Duplicate (B1C0234-DUP1)					Source: 1032523-01 Prepared & Analyzed: 03/31/21					
Ammonia Nitrogen	0.33		0.10	mg/L		0.35			6.33	20
Matrix Spike (B1C0234-MS1)					Source: 1032523-01 Prepared & Analyzed: 03/31/21					
Ammonia Nitrogen	1.31		0.10	mg/L	1.00	0.35	96.3	90-110		



Rabecka Koons, Quality Assurance Officer

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

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:
 04/09/21 17:36

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1C0205 - No Prep WC

LCS (B1C0205-BS1)

Prepared: 03/26/21 Analyzed: 03/31/21

Alkalinity as CaCO3	104		1.0	mg/L				90-110		
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Duplicate (B1C0205-DUP1)

Source: E066461-01

Prepared: 03/26/21 Analyzed: 03/31/21

Alkalinity as CaCO3	19.7		1.0	mg/L		ND			20	
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Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/09/21 17:36

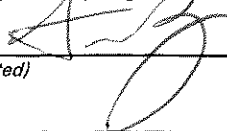


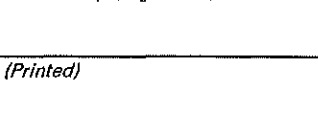
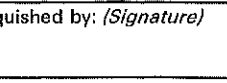
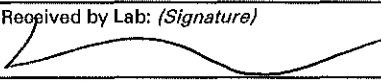
Notes and Definitions

- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- 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



Rabecka Koons, Quality Assurance Officer

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

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		Project ID: 1556404		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">No. of Containers</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">1108 + 801</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">6020 MDE Landfill List</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Turbidity, pH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Suspended Solids</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">COD</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Ammonia-Nitrogen</div> </div>										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: 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
OB08	3/25/21	0945	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1032523-01
OB08A		1010	X			11	X	X	X	X	X	X	X			-02
MW-24B		1100	X			11	X	X	X	X	X	X	X			-03
MW-24A		1200	X			11	X	X	X	X	X	X	X			-04
MW-2B		1305	X			11	X	X	X	X	X	X	X			-05
MW-2A		1355	X			11	X	X	X	X	X	X	X			-06
MW-23B		1525	X			11	X	X	X	X	X	X	X			-07
DUP-OB40	✓	-	X			11	X	X	X	X	X	X	X			-08
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
		3/25/21														
(Printed)		1645		(Printed)				(Printed)				(Printed)		(Printed)		
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:				
		16:48						<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: _____ °C 8.0 <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
(Printed)		3-25-21		(Printed) Lori Foster												
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														

SUBCONTRACT ORDER
Maryland Spectral Services

1032523

66482

Page 60 of 61

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
3-26-21 / LF

Due 4:00 PM 04/01/21

Laboratory ID

Comments

Sample ID: 1032523-01 0B08 Water Sampled:03/25/21 09:35

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032523-02 0B08A Water Sampled:03/25/21 10:10

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032523-03 MW-24B Water Sampled:03/25/21 11:00

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032523-04 MW-24A Water Sampled:03/25/21 12:00

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Released By: Lori Foster Date: 3-26-21 Received By: [Signature] Date: 3/24/21 @ 16:00

Released By: [Signature] Lucas Date: 3/26/21 Received By: Date:

TE 24

SUBCONTRACT ORDER
Maryland Spectral Services

66482

1032523

Page 61 of 61

Due 4:00 PM 04/01/21

Laboratory ID

Comments

Sample ID: 1032523-05 MW-2B Water Sampled:03/25/21 13:05

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032523-06 MW-2A Water Sampled:03/25/21 13:55

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032523-07 MW-23B Water Sampled:03/25/21 15:25

Alkalinity Nitrogen, Ammonia

Containers Supplied:

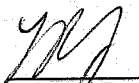
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)


Sample ID: 1032523-08 DUP-0B40 Water Sampled:03/25/21 00:00

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

 Laura Lucas
Released By Date 3/26/21

 J. J. Stubb
Received By Date 3/26/21 @ 1640

Released By Date Received By Date

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07 April 2021

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 03/29/21 16:49.

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,



Will Brewington
President

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/07/21 16:25

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
0B07		1032911-01	Nonpotable Water	03/29/21 09:30	03/29/21 16:49
0B07A		1032911-02	Nonpotable Water	03/29/21 10:07	03/29/21 16:49
0B06		1032911-03	Nonpotable Water	03/29/21 11:10	03/29/21 16:49
0B102		1032911-04	Nonpotable Water	03/29/21 11:59	03/29/21 16:49
ST-065		1032911-05	Nonpotable Water	03/29/21 10:30	03/29/21 16:49
ST-015		1032911-06	Nonpotable Water	03/29/21 12:30	03/29/21 16:49
0B12		1032911-07	Nonpotable Water	03/29/21 13:05	03/29/21 16:49
0B015		1032911-08	Nonpotable Water	03/29/21 13:39	03/29/21 16:49
ST-70		1032911-09	Nonpotable Water	03/29/21 14:10	03/29/21 16:49
0B10		1032911-10	Nonpotable Water	03/29/21 14:52	03/29/21 16:49
MW-4		1032911-11	Nonpotable Water	03/29/21 15:35	03/29/21 16:49



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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07

1032911-01 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.67		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	7.57		NTU	0.500	0.110	1	03/29/21	03/29/21 18:08	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 14:50	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 14:50	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 14:50	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
cis-1,2-Dichloroethene	1.6		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07

1032911-01 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 14:50	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 14:50	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 14:50	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 14:50	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 14:50	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 14:50	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 14:50	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	101 %	03/30/21		03/30/21 14:50		
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 14:50		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	03/30/21		03/30/21 14:50		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07

1032911-01 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/31/21	04/01/21 16:37	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 16:37	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	475000		ug/L	2500	2500	5	03/30/21	04/01/21 11:14	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Barium	44.8		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Calcium	118000		ug/L	400	400	5	03/30/21	04/01/21 11:14	CWK
Chromium	1.37		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Copper	5.40		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Iron	444		ug/L	100	5.00	1	03/30/21	03/30/21 16:15	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Magnesium	43700		ug/L	500	500	5	03/30/21	04/01/21 11:14	CWK
Manganese	134		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Mercury	0.426		ug/L	0.100	0.100	1	03/30/21	03/30/21 16:15	CWK
Nickel	1.04		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Potassium	5740		ug/L	100	100	1	03/30/21	03/30/21 16:15	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Sodium	26400		ug/L	100	100	1	03/30/21	03/30/21 16:15	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Vanadium	1.53		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:15	CWK
Zinc	10.5		ug/L	4.00	4.00	1	03/30/21	03/30/21 16:15	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07

1032911-01 (Nonpotable Water)
Sample Date: 03/29/21

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	11.1		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:18	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1260		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	238		mg/L	0.500	0.500	1	03/30/21	03/30/21 23:05	VVD
Nitrate (as N)	0.741		mg/L			1	03/30/21	03/30/21 23:05	VVD
Sulfate	45.7		mg/L	0.3	0.3	1	03/30/21	03/30/21 23:05	VVD
Nitrate	3.37		mg/L	0.050	0.050	1	03/30/21	03/30/21 23:05	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	26.7		mg/L	4.1	4.1	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	678		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:05	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	226		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07A

1032911-02 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.11		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	0.607		NTU	0.500	0.110	1	03/29/21	03/29/21 18:10	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:14	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:14	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:14	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
cis-1,2-Dichloroethene	1.3		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07A

1032911-02 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 15:14	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:14	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:14	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 15:14	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:14	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:14	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Tetrachloroethene	1.1		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:14	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/30/21		03/30/21 15:14		
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 15:14		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	03/30/21		03/30/21 15:14		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07A

1032911-02 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 16:53	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 16:53	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	229000		ug/L	500	500	1	03/30/21	03/30/21 16:17	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Barium	46.2		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Calcium	50600		ug/L	80.0	80.0	1	03/30/21	03/30/21 16:17	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Cobalt	2.89		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Copper	4.06		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Iron	23.4	J	ug/L	100	5.00	1	03/30/21	03/30/21 16:17	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Magnesium	24900		ug/L	100	100	1	03/30/21	03/30/21 16:17	CWK
Manganese	245		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Mercury	0.136		ug/L	0.100	0.100	1	03/30/21	03/30/21 16:17	CWK
Nickel	4.64		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Potassium	3080		ug/L	100	100	1	03/30/21	03/30/21 16:17	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Sodium	18600		ug/L	100	100	1	03/30/21	03/30/21 16:17	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:17	CWK
Zinc	9.87		ug/L	4.00	4.00	1	03/30/21	03/30/21 16:17	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B07A

1032911-02 (Nonpotable Water)
Sample Date: 03/29/21

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	6.2		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:18	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	675		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	150		mg/L	0.500	0.500	1	03/30/21	03/30/21 23:23	VVD
Nitrate (as N)	0.558		mg/L			1	03/30/21	03/30/21 23:23	VVD
Sulfate	8.2		mg/L	0.3	0.3	1	03/30/21	03/30/21 23:23	VVD
Nitrate	2.54		mg/L	0.050	0.050	1	03/30/21	03/30/21 23:23	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	2.2		mg/L	2.2	2.2	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	356		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:12	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	83.0		mg/L	1.0	1.0	1	04/06/21	04/07/21 09:50	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B06

1032911-03 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.24		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	6.75		NTU	0.500	0.110	1	03/29/21	03/29/21 18:11	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:38	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:38	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:38	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Chlorobenzene	1.5		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B06

1032911-03 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 15:38	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:38	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:38	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 15:38	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:38	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 15:38	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 15:38	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/30/21		03/30/21 15:38		
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 15:38		
Surrogate: 4-Bromofluorobenzene			75-120	101 %	03/30/21		03/30/21 15:38		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B06

1032911-03 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 17:08	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 17:08	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	544000		ug/L	2500	2500	5	03/30/21	04/01/21 11:16	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Barium	164		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Calcium	120000		ug/L	400	400	5	03/30/21	04/01/21 11:16	CWK
Chromium	2.05		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Cobalt	4.41		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Copper	7.34		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Iron	1270		ug/L	100	5.00	1	03/30/21	03/30/21 16:20	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Magnesium	59100		ug/L	500	500	5	03/30/21	04/01/21 11:16	CWK
Manganese	588		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Mercury	0.326		ug/L	0.100	0.100	1	03/30/21	03/30/21 16:20	CWK
Nickel	9.12		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Potassium	4430		ug/L	100	100	1	03/30/21	03/30/21 16:20	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Sodium	132000		ug/L	500	500	5	03/30/21	04/01/21 11:16	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Vanadium	1.57		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:20	CWK
Zinc	25.8		ug/L	4.00	4.00	1	03/30/21	03/30/21 16:20	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B06

1032911-03 (Nonpotable Water)
Sample Date: 03/29/21

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	42.7		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:18	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1860		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	359		mg/L	0.500	0.500	1	03/30/21	03/30/21 23:41	VVD
Nitrate (as N)	0.203		mg/L			1	03/30/21	03/30/21 23:41	VVD
Sulfate	106		mg/L	0.3	0.3	1	03/30/21	03/30/21 23:41	VVD
Nitrate	0.921		mg/L	0.050	0.050	1	03/30/21	03/30/21 23:41	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	33.9		mg/L	3.2	3.2	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1020		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:14	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	317		mg/L	1.0	1.0	1	04/06/21	04/07/21 09:50	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B102

1032911-04 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.79		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.73		NTU	0.500	0.110	1	03/29/21	03/29/21 18:13	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	6.3		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:02	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:02	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:02	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Chlorobenzene	2.5		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B102

1032911-04 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 16:02	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:02	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:02	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 16:02	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:02	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:02	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:02	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %	03/30/21		03/30/21 16:02		
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 16:02		
Surrogate: 4-Bromofluorobenzene			75-120	101 %	03/30/21		03/30/21 16:02		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B102

1032911-04 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 18:43	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 18:43	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	530000		ug/L	500	500	1	03/30/21	03/30/21 16:22	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Arsenic	1.05		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Barium	297		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Calcium	78800		ug/L	80.0	80.0	1	03/30/21	03/30/21 16:22	CWK
Chromium	2.21		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Cobalt	60.1		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Copper	39.5		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Iron	458		ug/L	100	5.00	1	03/30/21	03/30/21 16:22	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Magnesium	80800		ug/L	100	100	1	03/30/21	03/30/21 16:22	CWK
Manganese	12300		ug/L	20.0	20.0	20	03/30/21	04/01/21 11:24	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/30/21	03/30/21 16:22	CWK
Nickel	72.4		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Potassium	45000		ug/L	100	100	1	03/30/21	03/30/21 16:22	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Sodium	453000		ug/L	2000	2000	20	03/30/21	04/01/21 11:24	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:22	CWK
Zinc	14.5		ug/L	4.00	4.00	1	03/30/21	03/30/21 16:22	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B102

1032911-04 (Nonpotable Water)
Sample Date: 03/29/21

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	133		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:19	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	3370		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	474		mg/L	0.500	0.500	1	03/30/21	03/30/21 23:59	VVD
Nitrate (as N)	0.00		mg/L			1	03/30/21	03/30/21 23:59	VVD
Sulfate	65.3		mg/L	0.3	0.3	1	03/30/21	03/30/21 23:59	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/30/21	03/30/21 23:59	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	32.6		mg/L	2.9	2.9	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1860		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	19.2		mg/L	0.40	0.20	4	04/02/21	04/02/21 13:12	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	1050		mg/L	10.0	10.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-065

1032911-05 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	7.92		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.64		NTU	0.500	0.110	1	03/29/21	03/29/21 18:15	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:26	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:26	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:26	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-065

**1032911-05 (Nonpotable Water)
Sample Date: 03/29/21**

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	03/30/21	03/30/21 16:26	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:26	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:26	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 16:26	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:26	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:26	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:26	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/30/21		03/30/21 16:26		
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 16:26		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	03/30/21		03/30/21 16:26		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-065

**1032911-05 (Nonpotable Water)
Sample Date: 03/29/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/31/21	04/01/21 18:59	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 18:59	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	147000		ug/L	500	500	1	03/30/21	03/30/21 16:25	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Barium	50.2		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Calcium	28700		ug/L	80.0	80.0	1	03/30/21	03/30/21 16:25	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Copper	1.69		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Iron	449		ug/L	100	5.00	1	03/30/21	03/30/21 16:25	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Magnesium	18200		ug/L	100	100	1	03/30/21	03/30/21 16:25	CWK
Manganese	89.5		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/30/21	03/30/21 16:25	CWK
Nickel	6.49		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Potassium	3040		ug/L	100	100	1	03/30/21	03/30/21 16:25	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Sodium	125000		ug/L	500	500	5	03/30/21	04/01/21 11:26	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	03/30/21 16:25	CWK
Zinc	7.04		ug/L	4.00	4.00	1	03/30/21	03/30/21 16:25	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-065

1032911-05 (Nonpotable Water)
Sample Date: 03/29/21

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	15.1		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:19	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1070		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	278		mg/L	0.500	0.500	1	03/30/21	03/31/21 00:17	VVD
Nitrate (as N)	0.828		mg/L			1	03/30/21	03/31/21 00:17	VVD
Sulfate	14.1		mg/L	0.3	0.3	1	03/30/21	03/31/21 00:17	VVD
Nitrate	3.76		mg/L	0.050	0.050	1	03/30/21	03/31/21 00:17	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	6.8		mg/L	2.3	2.3	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	550		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.12		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:18	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	76.0		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-015

1032911-06 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	7.59		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	5.32		NTU	0.500	0.110	1	03/29/21	03/29/21 18:16	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:50	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:50	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:50	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-015

1032911-06 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 16:50	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:50	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:50	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 16:50	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:50	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 16:50	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Trichloroethene	1.9		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 16:50	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/30/21		03/30/21 16:50		
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 16:50		
Surrogate: 4-Bromofluorobenzene			75-120	99 %	03/30/21		03/30/21 16:50		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-015

**1032911-06 (Nonpotable Water)
Sample Date: 03/29/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 19:15	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 19:15	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	97500		ug/L	500	500	1	03/30/21	04/01/21 10:59	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Barium	44.2		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Calcium	20800		ug/L	80.0	80.0	1	03/30/21	04/01/21 10:59	CWK
Chromium	1.01		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Cobalt	1.00		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Copper	2.94		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Iron	429		ug/L	100	5.00	1	03/30/21	04/01/21 10:59	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Magnesium	11000		ug/L	100	100	1	03/30/21	04/01/21 10:59	CWK
Manganese	129		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/30/21	04/01/21 10:59	CWK
Nickel	2.91		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Potassium	1510		ug/L	100	100	1	03/30/21	04/01/21 10:59	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Sodium	51600		ug/L	100	100	1	03/30/21	04/01/21 10:59	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 10:59	CWK
Zinc	17.1		ug/L	4.00	4.00	1	03/30/21	04/01/21 10:59	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-015

1032911-06 (Nonpotable Water)
Sample Date: 03/29/21

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	10.6		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:20	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	527		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	114		mg/L	0.500	0.500	1	03/30/21	03/31/21 00:35	VVD
Nitrate (as N)	0.939		mg/L			1	03/30/21	03/31/21 00:35	VVD
Sulfate	12.7		mg/L	0.3	0.3	1	03/30/21	03/31/21 00:35	VVD
Nitrate	4.27		mg/L	0.050	0.050	1	03/30/21	03/31/21 00:35	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	4.4		mg/L	2.3	2.3	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	280		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:20	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	64.0		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B12

1032911-07 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.85		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	ND		NTU	0.500	0.110	1	03/29/21	03/29/21 18:18	CWK
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 19:30	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 19:30	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	194000		ug/L	500	500	1	03/30/21	04/01/21 11:01	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Barium	17.0		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Calcium	35100		ug/L	80.0	80.0	1	03/30/21	04/01/21 11:01	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Copper	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Iron	25.0	J	ug/L	100	5.00	1	03/30/21	04/01/21 11:01	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Magnesium	26000		ug/L	100	100	1	03/30/21	04/01/21 11:01	CWK
Manganese	116		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/30/21	04/01/21 11:01	CWK
Nickel	5.67		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Potassium	4610		ug/L	100	100	1	03/30/21	04/01/21 11:01	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Sodium	27800		ug/L	100	100	1	03/30/21	04/01/21 11:01	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:01	CWK
Zinc	5.40		ug/L	4.00	4.00	1	03/30/21	04/01/21 11:01	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B12

1032911-07 (Nonpotable Water)
Sample Date: 03/29/21

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	8.3		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:20	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	590		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	83.8		mg/L	0.500	0.500	1	03/30/21	03/31/21 01:29	VVD
Nitrate (as N)	0.539		mg/L			1	03/30/21	03/31/21 01:29	VVD
Sulfate	26.2		mg/L	0.3	0.3	1	03/30/21	03/31/21 01:29	VVD
Nitrate	2.45		mg/L	0.050	0.050	1	03/30/21	03/31/21 01:29	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	ND		mg/L	2.3	2.3	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	328		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:27	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	138		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B12

1032911-07RE1 (Nonpotable Water)
Sample Date: 03/29/21

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	03/31/21	03/31/21 15:49	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:49	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Benzene	3.7		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:49	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Chlorobenzene	3.8		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,2-Dichlorobenzene	1.0		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,4-Dichlorobenzene	11.0		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,1-Dichloroethane	17.1		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,2-Dichloroethane	1.3		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
cis-1,2-Dichloroethene	37.3		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
trans-1,2-Dichloroethene	3.2		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,2-Dichloropropane	9.0		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B12

1032911-07RE1 (Nonpotable Water)
Sample Date: 03/29/21

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	03/31/21	03/31/21 15:49	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:49	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:49	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 15:49	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Methyl tert-butyl ether (MTBE)	1.1		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:49	AS
Methylene chloride	3.0		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 15:49	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Tetrachloroethene	14.6		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Trichloroethene	13.9		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Trichlorofluoromethane (Freon 11)	1.4		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Vinyl chloride	9.5		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 15:49	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			03/31/21	03/31/21 15:49	
Surrogate: Toluene-d8			75-120	98 %			03/31/21	03/31/21 15:49	
Surrogate: 4-Bromofluorobenzene			75-120	100 %			03/31/21	03/31/21 15:49	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B015

1032911-08 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.76		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	7.32		NTU	0.500	0.110	1	03/29/21	03/29/21 18:19	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 17:38	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 17:38	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 17:38	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B015

1032911-08 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 17:38	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 17:38	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 17:38	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 17:38	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 17:38	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 17:38	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 17:38	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/30/21		03/30/21 17:38		
Surrogate: Toluene-d8			75-120	98 %	03/30/21		03/30/21 17:38		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	03/30/21		03/30/21 17:38		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B015

**1032911-08 (Nonpotable Water)
Sample Date: 03/29/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 19:46	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 19:46	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	109000		ug/L	500	500	1	03/30/21	04/01/21 11:04	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Barium	68.0		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Calcium	9860		ug/L	80.0	80.0	1	03/30/21	04/01/21 11:04	CWK
Chromium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Cobalt	1.66		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Copper	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Iron	1140		ug/L	100	5.00	1	03/30/21	04/01/21 11:04	CWK
Lead	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Magnesium	20400		ug/L	100	100	1	03/30/21	04/01/21 11:04	CWK
Manganese	897		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/30/21	04/01/21 11:04	CWK
Nickel	15.2		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Potassium	1700		ug/L	100	100	1	03/30/21	04/01/21 11:04	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Sodium	12800		ug/L	100	100	1	03/30/21	04/01/21 11:04	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:04	CWK
Zinc	33.9		ug/L	4.00	4.00	1	03/30/21	04/01/21 11:04	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B015

1032911-08 (Nonpotable Water)
Sample Date: 03/29/21

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	03/31/21	03/31/21 14:21	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	303		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	5.92		mg/L	0.500	0.500	1	03/30/21	03/31/21 01:48	VVD
Nitrate (as N)	0.245		mg/L			1	03/30/21	03/31/21 01:48	VVD
Sulfate	84.7		mg/L	0.3	0.3	1	03/30/21	03/31/21 01:48	VVD
Nitrate	1.12		mg/L	0.050	0.050	1	03/30/21	03/31/21 01:48	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	3.3		mg/L	2.4	2.4	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	120		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:29	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	60.0		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-70

1032911-09 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	7.79		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	5.24		NTU	0.500	0.110	1	03/29/21	03/29/21 18:21	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	6.6		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:03	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:03	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:03	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-70

1032911-09 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 18:03	AS	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:03	AS	
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:03	AS	
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 18:03	AS	
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:03	AS	
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:03	AS	
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:03	AS	
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %	03/30/21		03/30/21 18:03			
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 18:03			
Surrogate: 4-Bromofluorobenzene			75-120	99 %	03/30/21		03/30/21 18:03			

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-70

1032911-09 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/31/21	04/01/21 20:02	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 20:02	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	126000		ug/L	500	500	1	03/30/21	04/01/21 11:06	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Barium	51.3		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Calcium	29200		ug/L	80.0	80.0	1	03/30/21	04/01/21 11:06	CWK
Chromium	8.34		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Cobalt	1.00		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Copper	6.64		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Iron	583		ug/L	100	5.00	1	03/30/21	04/01/21 11:06	CWK
Lead	1.21		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Magnesium	13000		ug/L	100	100	1	03/30/21	04/01/21 11:06	CWK
Manganese	183		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/30/21	04/01/21 11:06	CWK
Nickel	2.80		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Potassium	4700		ug/L	100	100	1	03/30/21	04/01/21 11:06	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Sodium	124000		ug/L	500	500	5	03/30/21	04/01/21 11:29	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:06	CWK
Zinc	17.2		ug/L	4.00	4.00	1	03/30/21	04/01/21 11:06	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

ST-70

1032911-09 (Nonpotable Water)
Sample Date: 03/29/21

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	20.0		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:21	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1000		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	241		mg/L	0.500	0.500	1	03/30/21	03/31/21 02:06	VVD
Nitrate (as N)	0.845		mg/L			1	03/30/21	03/31/21 02:06	VVD
Sulfate	16.9		mg/L	0.3	0.3	1	03/30/21	03/31/21 02:06	VVD
Nitrate	3.84		mg/L	0.050	0.050	1	03/30/21	03/31/21 02:06	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	4.7		mg/L	2.3	2.3	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	518		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.13		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:31	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	120		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B10

1032911-10 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.19		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	0.972		NTU	0.500	0.110	1	03/29/21	03/29/21 18:28	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:27	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:27	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Benzene	2.2		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:27	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Chlorobenzene	5.4		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,4-Dichlorobenzene	10.7		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,1-Dichloroethane	1.6		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
cis-1,2-Dichloroethene	25.6		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
trans-1,2-Dichloroethene	1.9		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,2-Dichloropropane	2.1		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B10

**1032911-10 (Nonpotable Water)
Sample Date: 03/29/21**

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	03/30/21	03/30/21 18:27	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:27	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:27	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 18:27	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:27	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:27	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Trichloroethene	2.2		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Vinyl chloride	27.8		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:27	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			03/30/21	03/30/21 18:27	
Surrogate: Toluene-d8			75-120	99 %			03/30/21	03/30/21 18:27	
Surrogate: 4-Bromofluorobenzene			75-120	102 %			03/30/21	03/30/21 18:27	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B10

1032911-10 (Nonpotable Water)
Sample Date: 03/29/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.046	0.046	1	03/31/21	04/01/21 20:17	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 20:17	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	401000		ug/L	500	500	1	03/30/21	04/01/21 11:09	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Arsenic	1.02		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Barium	77.0		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Calcium	81400		ug/L	80.0	80.0	1	03/30/21	04/01/21 11:09	CWK
Chromium	1.27		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Cobalt	11.7		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Copper	2.18		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Iron	1280		ug/L	100	5.00	1	03/30/21	04/01/21 11:09	CWK
Lead	1.33		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Magnesium	48000		ug/L	100	100	1	03/30/21	04/01/21 11:09	CWK
Manganese	7420		ug/L	10.0	10.0	10	03/30/21	04/01/21 11:32	CWK
Mercury	0.118		ug/L	0.100	0.100	1	03/30/21	04/01/21 11:09	CWK
Nickel	11.6		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Potassium	3950		ug/L	100	100	1	03/30/21	04/01/21 11:09	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Sodium	26700		ug/L	100	100	1	03/30/21	04/01/21 11:09	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:09	CWK
Zinc	7.79		ug/L	4.00	4.00	1	03/30/21	04/01/21 11:09	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

0B10

1032911-10 (Nonpotable Water)
Sample Date: 03/29/21

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	12.1		mg/L	3.0	3.0	1	03/31/21	03/31/21 14:21	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1180		uS/cm			1	04/06/21	04/06/21 10:08	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	268		mg/L	0.500	0.500	1	03/30/21	03/31/21 02:24	VVD
Nitrate (as N)	0.00		mg/L			1	03/30/21	03/31/21 02:24	VVD
Sulfate	ND		mg/L	0.3	0.3	1	03/30/21	03/31/21 02:24	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/30/21	03/31/21 02:24	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	11.3		mg/L	2.2	2.2	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	615		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:33	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	172		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

MW-4

**1032911-11 (Nonpotable Water)
Sample Date: 03/29/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.92		pH Units			1	03/30/21	03/30/21 10:04	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	16.6		NTU	0.500	0.110	1	03/29/21	03/29/21 18:32	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:51	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:51	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Benzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:51	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

MW-4

1032911-11 (Nonpotable Water)
Sample Date: 03/29/21

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	03/30/21	03/30/21 18:51	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:51	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:51	AS
Isobutanol	ND		ug/L	100	100	1	03/30/21	03/30/21 18:51	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:51	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/30/21	03/30/21 18:51	AS
Styrene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Toluene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/30/21	03/30/21 18:51	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/30/21		03/30/21 18:51		
Surrogate: Toluene-d8			75-120	99 %	03/30/21		03/30/21 18:51		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	03/30/21		03/30/21 18:51		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

MW-4

**1032911-11 (Nonpotable Water)
Sample Date: 03/29/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 20:33	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 20:33	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	194000		ug/L	500	500	1	03/30/21	04/01/21 11:11	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Barium	47.4		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Calcium	35800		ug/L	80.0	80.0	1	03/30/21	04/01/21 11:11	CWK
Chromium	5.24		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Cobalt	1.39		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Copper	2.52		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Iron	3000		ug/L	100	5.00	1	03/30/21	04/01/21 11:11	CWK
Lead	1.65		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Magnesium	25400		ug/L	100	100	1	03/30/21	04/01/21 11:11	CWK
Manganese	177		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/30/21	04/01/21 11:11	CWK
Nickel	1.78		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Potassium	3360		ug/L	100	100	1	03/30/21	04/01/21 11:11	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Silver	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Sodium	30400		ug/L	100	100	1	03/30/21	04/01/21 11:11	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Vanadium	1.90		ug/L	1.00	1.00	1	03/30/21	04/01/21 11:11	CWK
Zinc	11.4		ug/L	4.00	4.00	1	03/30/21	04/01/21 11:11	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

MW-4

**1032911-11 (Nonpotable Water)
Sample Date: 03/29/21**

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	03/31/21	03/31/21 14:22	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	663		uS/cm			1	04/06/21	04/06/21 10:08	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	170		mg/L	0.500	0.500	1	03/30/21	03/31/21 02:42	VVD
Nitrate (as N)	0.662		mg/L			1	03/30/21	03/31/21 02:42	VVD
Sulfate	5.5		mg/L	0.3	0.3	1	03/30/21	03/31/21 02:42	VVD
Nitrate	3.01		mg/L	0.050	0.050	1	03/30/21	03/31/21 02:42	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	151		mg/L	4.9	4.9	1	03/30/21	03/31/21 11:21	LL
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	366		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:36	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	48.0		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/07/21 16:25

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103521 - Turbidity Prep

Blank (B103521-BLK1)

Prepared & Analyzed: 03/29/21

Turbidity	ND		0.500	NTU						
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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

Blank (B103525-BLK1)

Prepared & Analyzed: 03/30/21

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

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

Blank (B103525-BLK1)

Prepared & Analyzed: 03/30/21

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	50.79			ug/L	50.0		102	70-130		
Surrogate: Toluene-d8	49.63			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	50.61			ug/L	50.0		101	75-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

LCS (B103525-BS1)

Prepared & Analyzed: 03/30/21

Acetone	8.7		5.0	ug/L	10.0		87	50-150		
Benzene	5.0		1.0	ug/L	5.00		99	50-150		
Bromochloromethane	5.0		1.0	ug/L	5.00		100	50-150		
Bromodichloromethane	5.0		1.0	ug/L	5.00		100	50-150		
Bromoform	4.3		1.0	ug/L	5.00		86	50-150		
Bromomethane	5.2		1.0	ug/L	5.00		104	50-150		
2-Butanone (MEK)	8.9		5.0	ug/L	10.0		89	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.00		107	50-150		
Carbon tetrachloride	4.7		1.0	ug/L	5.00		94	50-150		
Chlorobenzene	5.0		1.0	ug/L	5.00		101	50-150		
Chloroethane	5.5		1.0	ug/L	5.00		110	50-150		
Chloroform	4.9		1.0	ug/L	5.00		97	50-150		
Chloromethane	5.5		1.0	ug/L	5.00		109	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		91	50-150		
1,2-Dibromo-3-chloropropane	4.6		1.0	ug/L	5.00		92	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.00		91	50-150		
Dibromomethane	4.8		1.0	ug/L	5.00		97	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		97	50-150		
1,4-Dichlorobenzene	5.0		1.0	ug/L	5.00		100	50-150		
1,1-Dichloroethane	4.9		1.0	ug/L	5.00		97	50-150		
1,2-Dichloroethane	4.8		1.0	ug/L	5.00		96	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.00		99	50-150		
cis-1,2-Dichloroethene	4.8		1.0	ug/L	5.00		97	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichloropropane	4.8		1.0	ug/L	5.00		95	50-150		
1,3-Dichloropropane	5.0		1.0	ug/L	5.00		99	50-150		
2,2-Dichloropropane	4.7		1.0	ug/L	5.00		95	50-150		
1,1-Dichloropropene	4.8		1.0	ug/L	5.00		96	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
trans-1,3-Dichloropropene	4.6		1.0	ug/L	5.00		92	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.00		101	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

LCS (B103525-BS1)

Prepared & Analyzed: 03/30/21

2-Hexanone	9.2		5.0	ug/L	10.0		92	50-150		
Methyl tert-butyl ether (MTBE)	4.8		1.0	ug/L	5.00		95	50-150		
4-Methyl-2-pentanone	9.1		5.0	ug/L	10.0		91	50-150		
Methylene chloride	5.2		1.0	ug/L	5.00		104	0-200		
Methyl methacrylate	4.5	J	5.0	ug/L	5.00		89	50-150		
Styrene	4.7		1.0	ug/L	5.00		94	50-150		
1,1,1,2-Tetrachloroethane	4.5		1.0	ug/L	5.00		90	50-150		
1,1,2,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		95	50-150		
Tetrachloroethene	4.8		1.0	ug/L	5.00		95	50-150		
Toluene	4.9		1.0	ug/L	5.00		97	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1,2-Trichloroethane	4.6		1.0	ug/L	5.00		92	50-150		
Trichloroethene	4.7		1.0	ug/L	5.00		95	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.00		105	50-150		
1,2,3-Trichloropropane	4.5		1.0	ug/L	5.00		90	50-150		
Vinyl acetate	3.7		1.0	ug/L	5.00		75	50-150		
Vinyl chloride	5.2		1.0	ug/L	5.00		104	50-150		
o-Xylene	4.8		1.0	ug/L	5.00		96	50-150		
m- & p-Xylenes	9.8		1.0	ug/L	10.0		98	50-150		
Surrogate: 1,2-Dichloroethane-d4	50.61			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	49.78			ug/L	50.0		100	75-120		
Surrogate: 4-Bromofluorobenzene	51.16			ug/L	50.0		102	75-120		

Duplicate (B103525-DUP1)

Source: 1032911-01

Prepared & Analyzed: 03/30/21

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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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

Duplicate (B103525-DUP1)	Source: 1032911-01	Prepared & Analyzed: 03/30/21			
2-Butanone (MEK)	ND	5.0 ug/L	ND	20	
Carbon disulfide	ND	1.0 ug/L	ND	20	
Carbon tetrachloride	ND	1.0 ug/L	ND	20	
Chlorobenzene	ND	1.0 ug/L	ND	20	
Chloroethane	ND	1.0 ug/L	ND	20	
Chloroform	ND	1.0 ug/L	ND	20	
Chloromethane	ND	1.0 ug/L	ND	20	
Chloroprene	ND	1.0 ug/L	ND	20	
Dibromochloromethane	ND	1.0 ug/L	ND	20	
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20	
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20	
Dibromomethane	ND	1.0 ug/L	ND	20	
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20	
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20	
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20	
1,1-Dichloroethane	ND	1.0 ug/L	ND	20	
1,2-Dichloroethane	ND	1.0 ug/L	ND	20	
1,1-Dichloroethene	ND	1.0 ug/L	ND	20	
cis-1,2-Dichloroethene	1.5	1.0 ug/L	1.6	5	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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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

Duplicate (B103525-DUP1)	Source: 1032911-01	Prepared & Analyzed: 03/30/21
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
Tetrachloroethane	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	51.00	50.0 ug/L
Surrogate: Toluene-d8	49.81	50.0 ug/L
Surrogate: 4-Bromofluorobenzene	50.00	50.0 ug/L

Matrix Spike (B103525-MS1)	Source: 1032911-02	Prepared & Analyzed: 03/30/21
Acetone	11.7	5.0 ug/L
Benzene	11.8	1.0 ug/L
Bromochloromethane	11.3	1.0 ug/L
Bromodichloromethane	11.0	1.0 ug/L
Bromoform	10.3	1.0 ug/L
Bromomethane	12.2	1.0 ug/L
2-Butanone (MEK)	10.4	5.0 ug/L
Carbon disulfide	11.1	1.0 ug/L
Carbon tetrachloride	11.3	1.0 ug/L

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

Matrix Spike (B103525-MS1)	Source: 1032911-02			Prepared & Analyzed: 03/30/21						
Chlorobenzene	11.3		1.0	ug/L	10.0	ND	113	60-120		
Chloroethane	11.9		1.0	ug/L	10.0	ND	119	60-120		
Chloroform	11.2		1.0	ug/L	10.0	ND	112	60-120		
Chloromethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
Dibromochloromethane	10.6		1.0	ug/L	10.0	ND	106	60-120		
1,2-Dibromo-3-chloropropane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,2-Dibromoethane (EDB)	10.8		1.0	ug/L	10.0	ND	108	60-120		
Dibromomethane	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,2-Dichlorobenzene	11.1		1.0	ug/L	10.0	ND	111	60-120		
1,4-Dichlorobenzene	10.8		1.0	ug/L	10.0	ND	108	60-120		
1,1-Dichloroethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,2-Dichloroethane	11.0		1.0	ug/L	10.0	ND	110	60-120		
1,1-Dichloroethene	11.2		1.0	ug/L	10.0	ND	112	60-120		
cis-1,2-Dichloroethene	12.2		1.0	ug/L	10.0	1.3	109	60-120		
trans-1,2-Dichloroethene	11.1		1.0	ug/L	10.0	ND	111	60-120		
1,2-Dichloropropane	11.0		1.0	ug/L	10.0	ND	110	60-120		
1,3-Dichloropropane	10.9		1.0	ug/L	10.0	ND	109	60-120		
2,2-Dichloropropane	9.5		1.0	ug/L	10.0	ND	95	60-120		
1,1-Dichloropropene	11.2		1.0	ug/L	10.0	ND	112	60-120		
cis-1,3-Dichloropropene	10.4		1.0	ug/L	10.0	ND	104	60-120		
trans-1,3-Dichloropropene	10.1		1.0	ug/L	10.0	ND	101	60-120		
Ethylbenzene	11.7		1.0	ug/L	10.0	ND	117	60-120		
2-Hexanone	10.2		5.0	ug/L	10.0	ND	102	60-120		
Methyl tert-butyl ether (MTBE)	10.6		1.0	ug/L	10.0	ND	106	60-120		
4-Methyl-2-pentanone	9.8		5.0	ug/L	10.0	ND	98	60-120		
Methylene chloride	10.7		1.0	ug/L	10.0	ND	107	60-120		
Methyl methacrylate	10.0		5.0	ug/L	10.0	ND	100	60-120		
Styrene	6.4		1.0	ug/L	10.0	ND	64	60-120		
1,1,1,2-Tetrachloroethane	10.6		1.0	ug/L	10.0	ND	106	60-120		
1,1,2,2-Tetrachloroethane	10.7		1.0	ug/L	10.0	ND	107	60-120		
Tetrachloroethene	11.6		1.0	ug/L	10.0	1.1	105	60-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103525 - GCMS-WATER-VOLATILES

Matrix Spike (B103525-MS1)	Source: 1032911-02	Prepared & Analyzed: 03/30/21
Toluene	11.0	1.0 ug/L 10.0 ND 110 60-120
1,1,1-Trichloroethane	11.5	1.0 ug/L 10.0 ND 115 60-120
1,1,2-Trichloroethane	10.8	1.0 ug/L 10.0 ND 108 60-120
Trichloroethene	11.3	1.0 ug/L 10.0 ND 113 60-120
Trichlorofluoromethane (Freon 11)	11.7	1.0 ug/L 10.0 ND 117 60-120
1,2,3-Trichloropropane	10.4	1.0 ug/L 10.0 ND 104 60-120
Vinyl acetate	6.1	1.0 ug/L 10.0 ND 61 60-120
Vinyl chloride	11.8	1.0 ug/L 10.0 ND 118 60-120
o-Xylene	11.1	1.0 ug/L 10.0 ND 111 60-120
m- & p-Xylenes	22.7	1.0 ug/L 20.0 ND 113 60-120
Surrogate: 1,2-Dichloroethane-d4	50.15	ug/L 50.0 100 70-130
Surrogate: Toluene-d8	50.02	ug/L 50.0 100 75-120
Surrogate: 4-Bromofluorobenzene	50.69	ug/L 50.0 101 75-120

Batch B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)	Prepared & Analyzed: 03/31/21
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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Project Number: 1556404
Project Manager: Laura Oakes

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Volatile Organics by EPA 8260B (GC/MS) - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.92</i>			<i>ug/L</i>	<i>50.0</i>		<i>102</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>49.44</i>			<i>ug/L</i>	<i>50.0</i>		<i>99</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.64</i>			<i>ug/L</i>	<i>50.0</i>		<i>99</i>	<i>75-120</i>		

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Acetone	8.8		5.0	ug/L	10.0		88	50-150		
Benzene	5.0		1.0	ug/L	5.00		100	50-150		
Bromochloromethane	4.9		1.0	ug/L	5.00		97	50-150		
Bromodichloromethane	4.8		1.0	ug/L	5.00		96	50-150		
Bromoform	4.2		1.0	ug/L	5.00		84	50-150		
Bromomethane	5.6		1.0	ug/L	5.00		112	50-150		
2-Butanone (MEK)	9.2		5.0	ug/L	10.0		92	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.00		108	50-150		
Carbon tetrachloride	4.7		1.0	ug/L	5.00		95	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
Chloroethane	5.6		1.0	ug/L	5.00		112	50-150		
Chloroform	4.8		1.0	ug/L	5.00		95	50-150		
Chloromethane	5.0		1.0	ug/L	5.00		101	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		90	50-150		
1,2-Dibromo-3-chloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.00		94	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Dibromomethane	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichlorobenzene	5.0		1.0	ug/L	5.00		101	50-150		
1,4-Dichlorobenzene	5.0		1.0	ug/L	5.00		100	50-150		
1,1-Dichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.00		97	50-150		
cis-1,2-Dichloroethene	4.7		1.0	ug/L	5.00		94	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		97	50-150		
2,2-Dichloropropane	4.8		1.0	ug/L	5.00		96	50-150		
1,1-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.00		89	50-150		
trans-1,3-Dichloropropene	4.8		1.0	ug/L	5.00		96	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.00		102	50-150		
2-Hexanone	9.5		5.0	ug/L	10.0		95	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.00		97	50-150		
4-Methyl-2-pentanone	9.3		5.0	ug/L	10.0		93	50-150		
Methylene chloride	5.8		1.0	ug/L	5.00		117	0-200		
Methyl methacrylate	4.6	J	5.0	ug/L	5.00		92	50-150		
Styrene	4.8		1.0	ug/L	5.00		95	50-150		
1,1,1,2-Tetrachloroethane	4.5		1.0	ug/L	5.00		91	50-150		
1,1,2,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.00		100	50-150		
Toluene	4.8		1.0	ug/L	5.00		96	50-150		
1,1,1-Trichloroethane	4.7		1.0	ug/L	5.00		95	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Trichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
Trichlorofluoromethane (Freon 11)	5.1		1.0	ug/L	5.00		103	50-150		
1,2,3-Trichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		80	50-150		

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



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Vinyl chloride	5.2		1.0	ug/L	5.00		105	50-150		
o-Xylene	5.0		1.0	ug/L	5.00		101	50-150		
m- & p-Xylenes	9.8		1.0	ug/L	10.0		98	50-150		
Surrogate: 1,2-Dichloroethane-d4	50.43			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	49.79			ug/L	50.0		100	75-120		
Surrogate: 4-Bromofluorobenzene	50.69			ug/L	50.0		101	75-120		

Duplicate (B103547-DUP1)

Source: 1033031-02

Prepared & Analyzed: 03/31/21

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	ND		1.0	ug/L		ND				20
Chloroethane	ND		1.0	ug/L		ND				20
Chloroform	ND		1.0	ug/L		ND				20
Chloromethane	ND		1.0	ug/L		ND				20
Chloroprene	ND		1.0	ug/L		ND				20
Dibromochloromethane	ND		1.0	ug/L		ND				20
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L		ND				20
1,2-Dibromoethane (EDB)	ND		1.0	ug/L		ND				20
Dibromomethane	ND		1.0	ug/L		ND				20
1,2-Dichlorobenzene	ND		1.0	ug/L		ND				20
1,4-Dichlorobenzene	ND		1.0	ug/L		ND				20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	ND		1.0	ug/L		ND				20

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)	Source: 1033031-02	Prepared & Analyzed: 03/31/21		
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20
Methyl tert-butyl ether (MTBE)	ND	1.0 ug/L	ND	20
4-Methyl-2-pentanone	ND	5.0 ug/L	ND	20
Methylene chloride	ND	1.0 ug/L	ND	20
Methyl methacrylate	ND	5.0 ug/L	ND	20
Styrene	ND	1.0 ug/L	ND	20
1,1,1,2-Tetrachloroethane	ND	1.0 ug/L	ND	20
1,1,2,2-Tetrachloroethane	ND	1.0 ug/L	ND	20
Tetrachloroethene	ND	1.0 ug/L	ND	20
Toluene	ND	1.0 ug/L	ND	20
1,1,1-Trichloroethane	ND	1.0 ug/L	ND	20
1,1,2-Trichloroethane	ND	1.0 ug/L	ND	20
Trichloroethene	ND	1.0 ug/L	ND	20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L	ND	20
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

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)		Source: 1033031-02			Prepared & Analyzed: 03/31/21					
o-Xylene	ND		1.0	ug/L		ND				20
m- & p-Xylenes	ND		1.0	ug/L		ND				20
Surrogate: 1,2-Dichloroethane-d4	50.75			ug/L	50.0		102	70-130		
Surrogate: Toluene-d8	49.76			ug/L	50.0		100	75-120		
Surrogate: 4-Bromofluorobenzene	50.05			ug/L	50.0		100	75-120		

Matrix Spike (B103547-MS1)		Source: 1033031-03			Prepared & Analyzed: 03/31/21					
Acetone	12.9		5.0	ug/L	10.0	1.1	118	60-120		
Benzene	11.0		1.0	ug/L	10.0	ND	110	60-120		
Bromochloromethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
Bromodichloromethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
Bromoform	9.9		1.0	ug/L	10.0	ND	99	60-120		
Bromomethane	1.6		1.0	ug/L	10.0	ND	16	60-120		
2-Butanone (MEK)	10.7		5.0	ug/L	10.0	ND	107	60-120		
Carbon disulfide	10.2		1.0	ug/L	10.0	ND	102	60-120		
Carbon tetrachloride	10.8		1.0	ug/L	10.0	ND	108	60-120		
Chlorobenzene	10.5		1.0	ug/L	10.0	ND	105	60-120		
Chloroethane	13.3		1.0	ug/L	10.0	ND	133	60-120		
Chloroform	11.5		1.0	ug/L	10.0	ND	115	60-120		
Chloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
Dibromochloromethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,2-Dibromo-3-chloropropane	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,2-Dibromoethane (EDB)	10.5		1.0	ug/L	10.0	ND	105	60-120		
Dibromomethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,2-Dichlorobenzene	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,4-Dichlorobenzene	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,1-Dichloroethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,2-Dichloroethane	10.9		1.0	ug/L	10.0	ND	109	60-120		
1,1-Dichloroethene	10.4		1.0	ug/L	10.0	ND	104	60-120		
cis-1,2-Dichloroethene	15.9		1.0	ug/L	10.0	4.9	110	60-120		
trans-1,2-Dichloroethene	10.3		1.0	ug/L	10.0	ND	103	60-120		
1,2-Dichloropropane	11.2		1.0	ug/L	10.0	ND	112	60-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103547 - GCMS-WATER-VOLATILES

Matrix Spike (B103547-MS1)	Source: 1033031-03	Prepared & Analyzed: 03/31/21
1,3-Dichloropropane	10.8	1.0 ug/L 10.0 ND 108 60-120
2,2-Dichloropropane	8.7	1.0 ug/L 10.0 ND 87 60-120
1,1-Dichloropropene	9.8	1.0 ug/L 10.0 ND 98 60-120
cis-1,3-Dichloropropene	10.0	1.0 ug/L 10.0 ND 100 60-120
trans-1,3-Dichloropropene	9.6	1.0 ug/L 10.0 ND 96 60-120
Ethylbenzene	10.2	1.0 ug/L 10.0 ND 102 60-120
2-Hexanone	10.0	5.0 ug/L 10.0 ND 100 60-120
Methyl tert-butyl ether (MTBE)	10.7	1.0 ug/L 10.0 ND 107 60-120
4-Methyl-2-pentanone	10.2	5.0 ug/L 10.0 ND 102 60-120
Methylene chloride	9.9	1.0 ug/L 10.0 ND 99 60-120
Methyl methacrylate	10.0	5.0 ug/L 10.0 ND 100 60-120
Styrene	9.3	1.0 ug/L 10.0 ND 93 60-120
1,1,1,2-Tetrachloroethane	10.5	1.0 ug/L 10.0 ND 105 60-120
1,1,2,2-Tetrachloroethane	10.3	1.0 ug/L 10.0 ND 103 60-120
Tetrachloroethene	16.4	1.0 ug/L 10.0 7.5 89 60-120
Toluene	10.1	1.0 ug/L 10.0 ND 101 60-120
1,1,1-Trichloroethane	10.8	1.0 ug/L 10.0 ND 108 60-120
1,1,2-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120
Trichloroethene	13.8	1.0 ug/L 10.0 3.5 104 60-120
Trichlorofluoromethane (Freon 11)	10.7	1.0 ug/L 10.0 ND 107 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.0 ND 101 60-120
Vinyl acetate	9.2	1.0 ug/L 10.0 ND 92 60-120
Vinyl chloride	10.2	1.0 ug/L 10.0 ND 102 60-120
o-Xylene	10.2	1.0 ug/L 10.0 ND 102 60-120
m- & p-Xylenes	19.6	1.0 ug/L 20.0 ND 98 60-120
Surrogate: 1,2-Dichloroethane-d4	50.66	ug/L 50.0 101 70-130
Surrogate: Toluene-d8	49.56	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	50.68	ug/L 50.0 101 75-120

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103562 - 504.1 EDB/DBCP

Blank (B103562-BLK1) Prepared: 03/31/21 Analyzed: 04/01/21

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						

Blank (B103562-BLK2) Prepared: 03/31/21 Analyzed: 04/01/21

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						

Blank (B103562-BLK3) Prepared: 03/31/21 Analyzed: 04/02/21

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						

LCS (B103562-BS1) Prepared: 03/31/21 Analyzed: 04/01/21

1,2-Dibromo-3-chloropropane	0.100		0.050	ug/L	0.100		100	50-150		
1,2-Dibromoethane (EDB)	0.114		0.020	ug/L	0.100		114	50-150		

LCS (B103562-BS2) Prepared: 03/31/21 Analyzed: 04/01/21

1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.100		85	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		

LCS (B103562-BS3) Prepared: 03/31/21 Analyzed: 04/02/21

1,2-Dibromo-3-chloropropane	0.088		0.050	ug/L	0.100		88	50-150		
1,2-Dibromoethane (EDB)	0.110		0.020	ug/L	0.100		110	50-150		

Matrix Spike (B103562-MS1) Source: 1032437-02 Prepared: 03/31/21 Analyzed: 04/01/21

1,2-Dibromo-3-chloropropane	0.180		0.047	ug/L	0.190	ND	95	50-150		
1,2-Dibromoethane (EDB)	0.203		0.019	ug/L	0.190	ND	107	50-150		

Matrix Spike (B103562-MS2) Source: 1032911-08 Prepared: 03/31/21 Analyzed: 04/01/21

1,2-Dibromo-3-chloropropane	0.179		0.048	ug/L	0.190	ND	94	50-150		
1,2-Dibromoethane (EDB)	0.200		0.019	ug/L	0.190	ND	105	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103562 - 504.1 EDB/DBCP

Matrix Spike (B103562-MS3)		Source: 1033103-09		Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.193	0.047	ug/L	0.189	ND	102	50-150
1,2-Dibromoethane (EDB)	0.218	0.019	ug/L	0.189	ND	116	50-150
Reference (B103562-SRM1)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.020	0.050	ug/L	0.0200		101	0-200
1,2-Dibromoethane (EDB)	0.026	0.020	ug/L	0.0200		129	0-200
Reference (B103562-SRM2)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.012	0.050	ug/L	0.0200		62	0-200
1,2-Dibromoethane (EDB)	0.018	0.020	ug/L	0.0200		90	0-200
Reference (B103562-SRM3)				Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.018	0.050	ug/L	0.0200		89	0-200
1,2-Dibromoethane (EDB)	0.017	0.020	ug/L	0.0200		85	0-200



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103527 - 3010A-Metals Digestion

Blank (B103527-BLK1)

Prepared & Analyzed: 03/30/21

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 (B103527-BS1)

Prepared & Analyzed: 03/30/21

Antimony	46.1		1.00	ug/L	50.0		92	80-120		
Arsenic	49.8		1.00	ug/L	50.0		100	80-120		
Barium	49.6		1.00	ug/L	50.0		99	80-120		
Beryllium	48.4		1.00	ug/L	50.0		97	80-120		
Cadmium	49.0		1.00	ug/L	50.0		98	80-120		
Calcium	5050		80.0	ug/L	5000		101	80-120		
Chromium	50.3		1.00	ug/L	50.0		101	80-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103527 - 3010A-Metals Digestion

LCS (B103527-BS1)

Prepared & Analyzed: 03/30/21

Cobalt	51.5		1.00	ug/L	50.0		103	80-120		
Copper	54.7		1.00	ug/L	50.0		109	80-120		
Iron	5180		100	ug/L	5000		104	80-120		
Lead	49.6		1.00	ug/L	50.0		99	80-120		
Magnesium	5120		100	ug/L	5000		102	80-120		
Manganese	51.1		1.00	ug/L	50.0		102	80-120		
Mercury	2.51		0.100	ug/L	2.50		100	80-120		
Nickel	50.6		1.00	ug/L	50.0		101	80-120		
Potassium	5110		100	ug/L	5000		102	80-120		
Selenium	48.4		1.00	ug/L	50.0		97	80-120		
Silver	51.4		1.00	ug/L	50.0		103	80-120		
Sodium	5250		100	ug/L	5000		105	80-120		
Thallium	50.0		1.00	ug/L	50.0		100	80-120		
Vanadium	48.1		1.00	ug/L	50.0		96	80-120		
Zinc	104		4.00	ug/L	100		104	80-120		

Duplicate (B103527-DUP1)

Source: 1032911-01

Prepared & Analyzed: 03/30/21

Hardness as CaCO3	476000		500	ug/L		475000			0.3	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	44.9		1.00	ug/L		44.8			0.3	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	118000	E	80.0	ug/L		118000			0.2	200
Chromium	1.98		1.00	ug/L		1.37			36	200
Cobalt	ND		1.00	ug/L		ND				200
Copper	5.22		1.00	ug/L		5.40			3	200
Iron	423		100	ug/L		444			5	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	43900		100	ug/L		43700			0.3	200
Manganese	132		1.00	ug/L		134			2	200
Mercury	0.424		0.100	ug/L		0.426			0.4	200

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



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103527 - 3010A-Metals Digestion

Duplicate (B103527-DUP1)		Source: 1032911-01			Prepared & Analyzed: 03/30/21					
Nickel	1.32		1.00	ug/L	1.04				24	200
Potassium	5650		100	ug/L	5740				1	200
Selenium	ND		1.00	ug/L	ND					200
Silver	ND		1.00	ug/L	ND					200
Sodium	25700		100	ug/L	26400				3	200
Thallium	ND		1.00	ug/L	ND					200
Vanadium	1.32		1.00	ug/L	1.53				14	200
Zinc	10.6		4.00	ug/L	10.5				0.8	200

Matrix Spike (B103527-MS1)		Source: 1032911-01			Prepared & Analyzed: 03/30/21					
Antimony	47.6		1.00	ug/L	50.0	ND	95	60-140		
Arsenic	49.9		1.00	ug/L	50.0	ND	100	60-140		
Barium	93.7		1.00	ug/L	50.0	44.8	98	60-140		
Beryllium	49.2		1.00	ug/L	50.0	ND	98	60-140		
Cadmium	48.9		1.00	ug/L	50.0	ND	98	60-140		
Calcium	124000	E	80.0	ug/L	5000	118000	107	60-140		
Chromium	50.6		1.00	ug/L	50.0	1.37	98	60-140		
Cobalt	50.1		1.00	ug/L	50.0	ND	100	60-140		
Copper	54.4		1.00	ug/L	50.0	5.40	98	60-140		
Iron	5520		100	ug/L	5000	444	102	60-140		
Lead	50.0		1.00	ug/L	50.0	ND	100	60-140		
Magnesium	49300		100	ug/L	5000	43700	112	60-140		
Manganese	183		1.00	ug/L	50.0	134	98	60-140		
Mercury	2.93		0.100	ug/L	2.50	0.426	100	60-140		
Nickel	50.2		1.00	ug/L	50.0	1.04	98	60-140		
Potassium	10900		100	ug/L	5000	5740	103	60-140		
Selenium	50.5		1.00	ug/L	50.0	ND	101	60-140		
Silver	49.9		1.00	ug/L	50.0	ND	100	60-140		
Sodium	30900		100	ug/L	5000	26400	90	60-140		
Thallium	50.6		1.00	ug/L	50.0	ND	101	60-140		
Vanadium	50.5		1.00	ug/L	50.0	1.53	98	60-140		
Zinc	109		4.00	ug/L	100	10.5	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103550 - COD (03) Prep										
Blank (B103550-BLK1)					Prepared & Analyzed: 03/31/21					
COD	ND		3.0	mg/L						
LCS (B103550-BS1)					Prepared & Analyzed: 03/31/21					
COD	50.2		3.0	mg/L	50.0		100	90-110		
Duplicate (B103550-DUP1)					Source: 1032415-01		Prepared & Analyzed: 03/31/21			
COD	30.3		3.0	mg/L		30.0			1	20
Matrix Spike (B103550-MS1)					Source: 1032415-01		Prepared & Analyzed: 03/31/21			
COD	77.7		3.0	mg/L	50.0	30.0	95	90-110		



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Conductivity by SM2510 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103549 - Conductivity										
Duplicate (B103549-DUP1)			Source: 1032911-01			Prepared & Analyzed: 03/31/21				
Conductivity	1260			uS/cm		1260			0.2	200
Duplicate (B103549-DUP2)			Source: 1033010-01			Prepared & Analyzed: 03/31/21				
Conductivity	528			uS/cm		528			0.02	200
Duplicate (B103549-DUP3)			Source: 1033031-02			Prepared & Analyzed: 03/31/21				
Conductivity	206			uS/cm		208			1	200



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103534 - 300.0 Anions Prep

Blank (B103534-BLK1)

Prepared & Analyzed: 03/30/21

Nitrate (as N)	0.00			mg/L						
Sulfate	ND		0.3	mg/L						
Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						

Blank (B103534-BLK2)

Prepared: 03/30/21 Analyzed: 03/31/21

Sulfate	ND		0.3	mg/L						
Chloride	ND		0.500	mg/L						
Nitrate (as N)	0.00			mg/L						
Nitrate	ND		0.050	mg/L						

LCS (B103534-BS1)

Prepared & Analyzed: 03/30/21

Sulfate	3.9		0.3	mg/L	4.00		98	80-120		
Chloride	3.87		0.500	mg/L	4.00		97	80-120		
Nitrate (as N)	0.837			mg/L				80-120		
Nitrate	3.80		0.050	mg/L	4.00		95	80-120		

LCS (B103534-BS2)

Prepared: 03/30/21 Analyzed: 03/31/21

Sulfate	4.0		0.3	mg/L	4.00		99	80-120		
Nitrate (as N)	0.828			mg/L				80-120		
Chloride	3.83		0.500	mg/L	4.00		96	80-120		
Nitrate	3.76		0.050	mg/L	4.00		94	80-120		

Duplicate (B103534-DUP1)

Source: 1032911-01

Prepared & Analyzed: 03/30/21

Sulfate	45.8		0.3	mg/L		45.7			0.2	200
Nitrate (as N)	0.743			mg/L		0.741			0.2	200
Chloride	238		0.500	mg/L		238			0.005	200
Nitrate	3.38		0.050	mg/L		3.37			0.2	200

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



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103534 - 300.0 Anions Prep

Duplicate (B103534-DUP2) Source: 1033031-02 Prepared: 03/30/21 Analyzed: 03/31/21

Nitrate (as N)	4.72			mg/L		4.74			0.5	200
Sulfate	8.1		0.3	mg/L		8.5			5	200
Chloride	29.4		0.500	mg/L		29.5			0.04	200
Nitrate	21.4		0.050	mg/L		21.6			0.5	200

Matrix Spike (B103534-MS1) Source: 1032911-01 Prepared & Analyzed: 03/30/21

Nitrate (as N)	1.60			mg/L		0.741			80-120	
Chloride	240	QM-4X	0.500	mg/L	4.00	238	42		80-120	
Sulfate	51.5	QM-4X	0.3	mg/L	4.00	45.7	146		80-120	
Nitrate	7.27		0.050	mg/L	4.00	3.37	98		80-120	

Matrix Spike (B103534-MS2) Source: 1033031-02 Prepared: 03/30/21 Analyzed: 03/31/21

Sulfate	12.6		0.3	mg/L	4.00	8.5	102		80-120	
Nitrate (as N)	5.58			mg/L		4.74			80-120	
Chloride	33.3		0.500	mg/L	4.00	29.5	96		80-120	
Nitrate	25.4		0.050	mg/L	4.00	21.6	95		80-120	



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

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 B103528 - TSS PREP										
Blank (B103528-BLK1)					Prepared: 03/30/21 Analyzed: 03/31/21					
Solids, Suspended	ND		2.5	mg/L						
Blank (B103528-BLK2)					Prepared: 03/30/21 Analyzed: 03/31/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B103528-BS1)					Prepared: 03/30/21 Analyzed: 03/31/21					
Solids, Suspended	65.1		2.5	mg/L	57.2		114	70-130		
LCS (B103528-BS2)					Prepared: 03/30/21 Analyzed: 03/31/21					
Solids, Suspended	61.4		2.5	mg/L	61.1		100	70-130		
Duplicate (B103528-DUP1)			Source: 1032911-01			Prepared: 03/30/21 Analyzed: 03/31/21				
Solids, Suspended	17.5		4.9	mg/L		26.7			42	20



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103558 - TDS Prep										
Blank (B103558-BLK1)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B103558-BS1)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Dissolved	762		10.0	mg/L	775		98	90-110		
Duplicate (B103558-DUP1)			Source: 1032911-07		Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Dissolved	336		10.0	mg/L		328			2	20



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1D0007 - No Prep WC										
Blank (B1D0007-BLK1)					Prepared & Analyzed: 04/02/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1D0007-BS1)					Prepared & Analyzed: 04/02/21					
Ammonia Nitrogen	2.08		0.10	mg/L	2.00		104	90-110		
Duplicate (B1D0007-DUP1)					Source: 1032911-01		Prepared & Analyzed: 04/02/21			
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
Matrix Spike (B1D0007-MS1)					Source: 1032911-01		Prepared & Analyzed: 04/02/21			
Ammonia Nitrogen	1.98		0.10	mg/L	2.00	ND	99.2	90-110		



Will Brewington, President

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

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:
04/07/21 16:25

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0034 - No Prep WC

LCS (B1D0034-BS1)		Prepared: 04/06/21 Analyzed: 04/07/21								
Alkalinity as CaCO3	100		1.0	mg/L				90-110		
Duplicate (B1D0034-DUP1)		Source: 1032911-02 Prepared: 04/06/21 Analyzed: 04/07/21								
Alkalinity as CaCO3	82.0		1.0	mg/L		83.0			1.21	20



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:25

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- 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



Will Brewington, President

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

Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		Project ID: 1556404		No. of Containers 8260LL VOC 4801 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. Szamski		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
OB007	3/29/21	0930	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1032911-01
OB07A		1007					X	X	X	X	X	X	X			-02
OB06		1110					X	X	X	X	X	X	X			-03
OB102		1159					X	X	X	X	X	X	X			-04
ST-065		1030					X	X	X	X	X	X	X			-05
ST-015		1230					X	X	X	X	X	X	X			-06
OB12		1305					X	X	X	X	X	X	X			-07
OB015		1339					X	X	X	X	X	X	X			-08
ST-70		1410					X	X	X	X	X	X	X			-09
OB10		1452					X	X	X	X	X	X	X			-10
Relinquished by: (Signature) 		Date/Time 3/29/21		Received by: (Signature) 				Relinquished by: (Signature) 				Date/Time 1045		Received by: (Signature) 		
(Printed) Andy Szamski				(Printed)				(Printed)						(Printed)		
Relinquished by: (Signature) 		Date/Time 16:49		Received by Lab: (Signature) 				Turn Around Time:				Lab Use:				
(Printed)		3-29-21		(Printed)				<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: ____°C 11.4 <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: GUDE Landfill		Project ID: 1556404														
Sampler(s): A. Szamski		P.O. Number: 19541														
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC <i>1801</i>	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Matrix Codes: NW (non-potable water) PW (potable water)		
														Preservative: 1+1 HCl, H 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-4</i>	<i>3/29/14</i>	<i>1535</i>	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		<i>-11</i>
Relinquished by: <i>(Signature)</i> <i>(Printed)</i> <i>Andy Szamski</i>		Date/Time <i>3/29/14</i> <i>1645</i>		Received by: <i>(Signature)</i> <i>(Printed)</i>				Relinquished by: <i>(Signature)</i> <i>(Printed)</i>				Date/Time		Received by: <i>(Signature)</i> <i>(Printed)</i>		
Relinquished by: <i>(Signature)</i> <i>(Printed)</i>		Date/Time <i>16:49</i> <i>3-29-21</i>		Received by Lab: <i>(Signature)</i> <i>(Printed)</i> <i>Lori Foster</i>				Turn Around Time: <input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Lab Use: Temp: _____°C <i>11.4</i> <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:														

SUBCONTRACT ORDER
Maryland Spectral Services

66515

1032911

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
3-30-21 / LF

Due 4:00 PM 04/07/21

Laboratory ID

Comments

Sample ID: 1032911-01 0B07 Water Sampled:03/29/21 09:30

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-02 0B07A Water Sampled:03/29/21 09:30

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-03 0B06 Water Sampled:03/29/21 11:10

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-04 0B102 Water Sampled:03/29/21 11:59

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Released By

Date

Received By

Date

3-31-21

Stacy Gully

3/31/21 @ 1246

Released By

Date

Received By

Date

SUBCONTRACT ORDER
Maryland Spectral Services

66515

1032911

Due 4:00 PM 04/07/21

Laboratory ID

Comments

Sample ID: 1032911-05 ST-065 Water Sampled:03/29/21 10:30

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-06 ST-015 Water Sampled:03/29/21 12:30

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-07 0B12 Water Sampled:03/29/21 13:05

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-08 0B015 Water Sampled:03/29/21 13:39

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-09 ST-70 Water Sampled:03/29/21 14:10

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Released By

Date

Received By

Date

3-31-21

[Signature]

3/31/21 @ 1246

Released By

Date

Received By

Date

SUBCONTRACT ORDER
Maryland Spectral Services

60515

1032911

Due 4:00 PM 04/07/21

Laboratory ID

Comments

Sample ID: 1032911-10

0B10

Water

Sampled:03/29/21 14:52

Alkalinity

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1032911-11

MW-4

Water

Sampled:03/29/21 14:52

Alkalinity

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Released By

Date

Received By

Date

3-31-21

[Signature]

3/31/21 @ 1246

Released By

Date

Received By

Date

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07 April 2021

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 03/30/21 16:23.

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,



Will Brewington
President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TRIP BLANK		1033031-01	Nonpotable Water	03/30/21 00:00	03/30/21 16:23
MW-15		1033031-02	Nonpotable Water	03/30/21 09:40	03/30/21 16:23
MW-11B		1033031-03	Nonpotable Water	03/30/21 10:54	03/30/21 16:23
MW-11A		1033031-04	Nonpotable Water	03/30/21 11:34	03/30/21 16:23
MW-10		1033031-05	Nonpotable Water	03/30/21 12:44	03/30/21 16:23
MW-14A		1033031-06	Nonpotable Water	03/30/21 14:03	03/30/21 16:23
MW-14B		1033031-07	Nonpotable Water	03/30/21 14:50	03/30/21 16:23
ST-80		1033031-08	Nonpotable Water	03/30/21 15:30	03/30/21 16:23



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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

TRIP BLANK

1033031-01 (Nonpotable Water)
Sample Date: 03/30/21

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	03/31/21	03/31/21 16:38	AS	
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 16:38	AS	
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 16:38	AS	
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

TRIP BLANK

1033031-01 (Nonpotable Water)
Sample Date: 03/30/21

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	03/31/21	03/31/21 16:38	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 16:38	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 16:38	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 16:38	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 16:38	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 16:38	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 16:38	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		102 %			03/31/21	03/31/21 16:38	
Surrogate: Toluene-d8		75-120		99 %			03/31/21	03/31/21 16:38	
Surrogate: 4-Bromofluorobenzene		75-120		99 %			03/31/21	03/31/21 16:38	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-15

1033031-02 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.66		pH Units			1	03/30/21	03/30/21 17:35	AM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	36.8		NTU	0.500	0.110	1	03/31/21	03/31/21 10:07	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:02	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:02	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:02	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-15

**1033031-02 (Nonpotable Water)
Sample Date: 03/30/21**

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	03/31/21	03/31/21 17:02	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:02	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:02	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 17:02	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:02	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:02	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:02	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/31/21		03/31/21 17:02		
Surrogate: Toluene-d8			75-120	99 %	03/31/21		03/31/21 17:02		
Surrogate: 4-Bromofluorobenzene			75-120	99 %	03/31/21		03/31/21 17:02		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-15

**1033031-02 (Nonpotable Water)
Sample Date: 03/30/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	03/31/21	04/01/21 22:07	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 22:07	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	65900		ug/L	500	500	1	03/31/21	04/01/21 13:41	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Barium	57.4		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Calcium	11100		ug/L	80.0	80.0	1	03/31/21	04/01/21 13:41	CWK
Chromium	8.02		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Cobalt	1.68		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Copper	11.9		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Iron	2980		ug/L	100	5.00	1	03/31/21	04/01/21 13:41	CWK
Lead	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Magnesium	9270		ug/L	100	100	1	03/31/21	04/01/21 13:41	CWK
Manganese	50.5		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/31/21	04/01/21 13:41	CWK
Nickel	4.61		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Potassium	1610		ug/L	100	100	1	03/31/21	04/01/21 13:41	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Silver	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Sodium	7550		ug/L	100	100	1	03/31/21	04/01/21 13:41	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Vanadium	3.14		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:41	CWK
Zinc	19.5		ug/L	4.00	4.00	1	03/31/21	04/01/21 13:41	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-15

1033031-02 (Nonpotable Water)
Sample Date: 03/30/21

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	04/01/21	04/01/21 16:11	VVD
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	208		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	29.5		mg/L	0.500	0.500	1	03/30/21	03/31/21 06:18	VVD
Nitrate (as N)	4.74		mg/L			1	03/30/21	03/31/21 06:18	VVD
Sulfate	8.5		mg/L	0.3	0.3	1	03/30/21	03/31/21 06:18	VVD
Nitrate	21.6		mg/L	0.050	0.050	1	03/30/21	03/31/21 06:18	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	234		mg/L	5.0	5.0	1	03/31/21	04/01/21 15:37	MH
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	145		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:53	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	27.0		mg/L	1.0	1.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11B

1033031-03 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.40		pH Units			1	03/30/21	03/30/21 17:35	AM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	18.6		NTU	0.500	0.110	1	03/31/21	03/31/21 10:08	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:26	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:26	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:26	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
cis-1,2-Dichloroethene	4.9		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11B

1033031-03 (Nonpotable Water)
Sample Date: 03/30/21

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	03/31/21	03/31/21 17:26	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:26	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:26	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 17:26	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:26	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:26	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Tetrachloroethene	7.5		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Trichloroethene	3.5		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:26	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %			03/31/21	03/31/21 17:26	
Surrogate: Toluene-d8			75-120	99 %			03/31/21	03/31/21 17:26	
Surrogate: 4-Bromofluorobenzene			75-120	99 %			03/31/21	03/31/21 17:26	

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11B

1033031-03 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 22:22	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 22:22	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	83100		ug/L	500	500	1	03/31/21	04/01/21 13:43	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Barium	31.7		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Calcium	15800		ug/L	80.0	80.0	1	03/31/21	04/01/21 13:43	CWK
Chromium	9.01		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Cobalt	2.88		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Copper	4.10		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Iron	3360		ug/L	100	5.00	1	03/31/21	04/01/21 13:43	CWK
Lead	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Magnesium	10600		ug/L	100	100	1	03/31/21	04/01/21 13:43	CWK
Manganese	81.1		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/31/21	04/01/21 13:43	CWK
Nickel	5.90		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Potassium	1450		ug/L	100	100	1	03/31/21	04/01/21 13:43	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Silver	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Sodium	9310		ug/L	100	100	1	03/31/21	04/01/21 13:43	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Vanadium	10.6		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:43	CWK
Zinc	13.7		ug/L	4.00	4.00	1	03/31/21	04/01/21 13:43	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11B

1033031-03 (Nonpotable Water)
Sample Date: 03/30/21

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	04/01/21	04/01/21 16:13	VVD
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	231		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	18.7		mg/L	0.500	0.500	1	03/30/21	03/31/21 06:37	VVD
Nitrate (as N)	3.43		mg/L			1	03/30/21	03/31/21 06:37	VVD
Sulfate	4.5		mg/L	0.3	0.3	1	03/30/21	03/31/21 06:37	VVD
Nitrate	15.6		mg/L	0.050	0.050	1	03/30/21	03/31/21 06:37	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	389		mg/L	2.3	2.3	1	03/31/21	04/01/21 15:37	MH
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	203		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:55	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	74.0		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11A

1033031-04 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.78		pH Units			1	03/30/21	03/30/21 17:35	AM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	102		NTU	5.00	1.10	10	03/31/21	03/31/21 10:16	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:50	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:50	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:50	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11A

1033031-04 (Nonpotable Water)
Sample Date: 03/30/21

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	03/31/21	03/31/21 17:50	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:50	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:50	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 17:50	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:50	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 17:50	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 17:50	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	03/31/21		03/31/21 17:50		
Surrogate: Toluene-d8			75-120	99 %	03/31/21		03/31/21 17:50		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	03/31/21		03/31/21 17:50		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11A

**1033031-04 (Nonpotable Water)
Sample Date: 03/30/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 22:38	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 22:38	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	43800		ug/L	500	500	1	03/31/21	04/01/21 13:46	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Barium	62.2		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Calcium	8710		ug/L	80.0	80.0	1	03/31/21	04/01/21 13:46	CWK
Chromium	17.1		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Cobalt	4.20		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Copper	8.07		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Iron	5120		ug/L	100	5.00	1	03/31/21	04/01/21 13:46	CWK
Lead	2.37		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Magnesium	5360		ug/L	100	100	1	03/31/21	04/01/21 13:46	CWK
Manganese	125		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/31/21	04/01/21 13:46	CWK
Nickel	21.0		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Potassium	1290		ug/L	100	100	1	03/31/21	04/01/21 13:46	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Silver	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Sodium	3530		ug/L	100	100	1	03/31/21	04/01/21 13:46	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Vanadium	8.71		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:46	CWK
Zinc	28.0		ug/L	4.00	4.00	1	03/31/21	04/01/21 13:46	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-11A

1033031-04 (Nonpotable Water)
Sample Date: 03/30/21

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	04/01/21	04/01/21 16:14	VVD
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	103		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	14.2		mg/L	0.500	0.500	1	03/30/21	03/31/21 06:55	VVD
Nitrate (as N)	1.34		mg/L			1	03/30/21	03/31/21 06:55	VVD
Sulfate	6.0		mg/L	0.3	0.3	1	03/30/21	03/31/21 06:55	VVD
Nitrate	6.08		mg/L	0.050	0.050	1	03/30/21	03/31/21 06:55	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	904		mg/L	8.6	8.6	1	03/31/21	04/01/21 15:37	MH
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	77.5		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:57	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	30.0		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-10

1033031-05 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.04		pH Units			1	03/30/21	03/30/21 17:35	AM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	84.5		NTU	5.00	1.10	10	03/31/21	03/31/21 10:18	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:15	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:15	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:15	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-10

1033031-05 (Nonpotable Water)
Sample Date: 03/30/21

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	03/31/21	03/31/21 18:15	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:15	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:15	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 18:15	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:15	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:15	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:15	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %	03/31/21		03/31/21 18:15		
Surrogate: Toluene-d8			75-120	98 %	03/31/21		03/31/21 18:15		
Surrogate: 4-Bromofluorobenzene			75-120	99 %	03/31/21		03/31/21 18:15		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-10

**1033031-05 (Nonpotable Water)
Sample Date: 03/30/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 22:53	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 22:53	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	33900		ug/L	500	500	1	03/31/21	04/01/21 13:48	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Barium	41.9		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Calcium	6260		ug/L	80.0	80.0	1	03/31/21	04/01/21 13:48	CWK
Chromium	4.50		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Cobalt	1.87		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Copper	20.3		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Iron	3460		ug/L	100	5.00	1	03/31/21	04/01/21 13:48	CWK
Lead	2.55		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Magnesium	4430		ug/L	100	100	1	03/31/21	04/01/21 13:48	CWK
Manganese	55.6		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/31/21	04/01/21 13:48	CWK
Nickel	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Potassium	1270		ug/L	100	100	1	03/31/21	04/01/21 13:48	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Silver	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Sodium	4740		ug/L	100	100	1	03/31/21	04/01/21 13:48	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Vanadium	9.33		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:48	CWK
Zinc	34.8		ug/L	4.00	4.00	1	03/31/21	04/01/21 13:48	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-10

1033031-05 (Nonpotable Water)
Sample Date: 03/30/21

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	9.6		mg/L	3.0	3.0	1	04/01/21	04/01/21 16:14	VVD
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	88.8		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	0.532		mg/L	0.500	0.500	1	03/30/21	03/31/21 07:13	VVD
Nitrate (as N)	0.104		mg/L			1	03/30/21	03/31/21 07:13	VVD
Sulfate	11.8		mg/L	0.3	0.3	1	03/30/21	03/31/21 07:13	VVD
Nitrate	0.474		mg/L	0.050	0.050	1	03/30/21	03/31/21 07:13	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	177		mg/L	13.9	13.9	1	03/31/21	04/01/21 15:37	MH
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	71.5		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 11:59	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	36.0		mg/L	2.0	2.0	1	04/06/21	04/07/21 09:50	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14A

1033031-06 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.52		pH Units			1	03/30/21	03/30/21 17:35	AM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	24.8		NTU	0.500	0.110	1	03/31/21	03/31/21 10:09	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:39	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:39	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:39	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14A

1033031-06 (Nonpotable Water)
Sample Date: 03/30/21

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	03/31/21	03/31/21 18:39	AS	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:39	AS	
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:39	AS	
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 18:39	AS	
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:39	AS	
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 18:39	AS	
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Trichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 18:39	AS	
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %	03/31/21		03/31/21 18:39			
Surrogate: Toluene-d8			75-120	99 %	03/31/21		03/31/21 18:39			
Surrogate: 4-Bromofluorobenzene			75-120	99 %	03/31/21		03/31/21 18:39			

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14A

**1033031-06 (Nonpotable Water)
Sample Date: 03/30/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 23:09	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 23:09	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	162000		ug/L	500	500	1	03/31/21	04/01/21 13:51	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Barium	208		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Calcium	27800		ug/L	80.0	80.0	1	03/31/21	04/01/21 13:51	CWK
Chromium	8.01		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Cobalt	3.20		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Copper	10.7		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Iron	2150		ug/L	100	5.00	1	03/31/21	04/01/21 13:51	CWK
Lead	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Magnesium	22600		ug/L	100	100	1	03/31/21	04/01/21 13:51	CWK
Manganese	31.4		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/31/21	04/01/21 13:51	CWK
Nickel	16.8		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Potassium	2790		ug/L	100	100	1	03/31/21	04/01/21 13:51	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Silver	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Sodium	60000		ug/L	100	100	1	03/31/21	04/01/21 13:51	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Vanadium	6.07		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:51	CWK
Zinc	42.4		ug/L	4.00	4.00	1	03/31/21	04/01/21 13:51	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14A

1033031-06 (Nonpotable Water)
Sample Date: 03/30/21

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	04/01/21	04/01/21 16:15	VVD
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	751		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	201		mg/L	0.500	0.500	1	03/30/21	03/31/21 07:31	VVD
Nitrate (as N)	2.60		mg/L			1	03/30/21	03/31/21 07:31	VVD
Sulfate	19.9		mg/L	0.3	0.3	1	03/30/21	03/31/21 07:31	VVD
Nitrate	11.8		mg/L	0.050	0.050	1	03/30/21	03/31/21 07:31	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	708		mg/L	6.1	6.1	1	03/31/21	04/01/21 15:37	MH
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	384		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 12:06	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	19.0		mg/L	1.0	1.0	1	04/07/21	04/07/21 12:05	FRD

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14B

1033031-07 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.94		pH Units			1	03/30/21	03/30/21 17:35	AM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.54		NTU	0.500	0.110	1	03/31/21	03/31/21 10:10	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:03	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:03	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:03	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14B

1033031-07 (Nonpotable Water)
Sample Date: 03/30/21

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	03/31/21	03/31/21 19:03	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:03	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:03	AS
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 19:03	AS
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:03	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:03	AS
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:03	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %	03/31/21		03/31/21 19:03		
Surrogate: Toluene-d8			75-120	99 %	03/31/21		03/31/21 19:03		
Surrogate: 4-Bromofluorobenzene			75-120	99 %	03/31/21		03/31/21 19:03		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14B

1033031-07 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	03/31/21	04/01/21 23:24	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	03/31/21	04/01/21 23:24	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	56600		ug/L	500	500	1	03/31/21	04/01/21 13:53	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Barium	15.5		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Calcium	11600		ug/L	80.0	80.0	1	03/31/21	04/01/21 13:53	CWK
Chromium	2.20		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Copper	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Iron	204		ug/L	100	5.00	1	03/31/21	04/01/21 13:53	CWK
Lead	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Magnesium	6700		ug/L	100	100	1	03/31/21	04/01/21 13:53	CWK
Manganese	10.2		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/31/21	04/01/21 13:53	CWK
Nickel	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Potassium	1350		ug/L	100	100	1	03/31/21	04/01/21 13:53	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Silver	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Sodium	7450		ug/L	100	100	1	03/31/21	04/01/21 13:53	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Vanadium	1.39		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:53	CWK
Zinc	ND		ug/L	4.00	4.00	1	03/31/21	04/01/21 13:53	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

MW-14B

1033031-07 (Nonpotable Water)
Sample Date: 03/30/21

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	04/01/21	04/01/21 16:15	VVD
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	183		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	21.9		mg/L	0.500	0.500	1	03/30/21	03/31/21 07:49	VVD
Nitrate (as N)	4.88		mg/L			1	03/30/21	03/31/21 07:49	VVD
Sulfate	2.3		mg/L	0.3	0.3	1	03/30/21	03/31/21 07:49	VVD
Nitrate	22.2		mg/L	0.050	0.050	1	03/30/21	03/31/21 07:49	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	11.2		mg/L	2.3	2.3	1	03/31/21	04/01/21 15:37	MH
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	128		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/02/21	04/02/21 12:12	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	42.0		mg/L	2.0	2.0	1	04/07/21	04/07/21 12:05	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

ST-80

1033031-08 (Nonpotable Water)
Sample Date: 03/30/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	8.62		pH Units			1	03/30/21	03/30/21 17:35	AM
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	2.34		NTU	0.500	0.110	1	03/31/21	03/31/21 10:11	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:28	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:28	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Benzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Bromoform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Bromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:28	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Chloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Chloroform	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Chloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Chloroprene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

ST-80

1033031-08 (Nonpotable Water)
Sample Date: 03/30/21

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 (continued)										
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:28	AS	
Ethylbenzene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
2-Hexanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:28	AS	
Isobutanol	ND		ug/L	100	100	1	03/31/21	03/31/21 19:28	AS	
Iodomethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:28	AS	
Methylene chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Methyl methacrylate	ND		ug/L	5.0	5.0	1	03/31/21	03/31/21 19:28	AS	
Styrene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Tetrachloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Toluene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Trichloroethene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Vinyl acetate	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Vinyl chloride	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
o-Xylene	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	03/31/21	03/31/21 19:28	AS	
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			03/31/21	03/31/21 19:28		
Surrogate: Toluene-d8			75-120	99 %			03/31/21	03/31/21 19:28		
Surrogate: 4-Bromofluorobenzene			75-120	99 %			03/31/21	03/31/21 19:28		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

ST-80

**1033031-08 (Nonpotable Water)
Sample Date: 03/30/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.046	0.046	1	03/31/21	04/01/21 23:40	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.018	0.018	1	03/31/21	04/01/21 23:40	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	150000		ug/L	500	500	1	03/31/21	04/01/21 13:56	CWK
Antimony	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Arsenic	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Barium	52.0		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Beryllium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Cadmium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Calcium	34000		ug/L	80.0	80.0	1	03/31/21	04/01/21 13:56	CWK
Chromium	7.76		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Cobalt	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Copper	2.18		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Iron	353		ug/L	100	5.00	1	03/31/21	04/01/21 13:56	CWK
Lead	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Magnesium	15700		ug/L	100	100	1	03/31/21	04/01/21 13:56	CWK
Manganese	116		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Mercury	ND		ug/L	0.100	0.100	1	03/31/21	04/01/21 13:56	CWK
Nickel	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Potassium	5950		ug/L	100	100	1	03/31/21	04/01/21 13:56	CWK
Selenium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Silver	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Sodium	79100		ug/L	100	100	1	03/31/21	04/01/21 13:56	CWK
Thallium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Vanadium	ND		ug/L	1.00	1.00	1	03/31/21	04/01/21 13:56	CWK
Zinc	6.17		ug/L	4.00	4.00	1	03/31/21	04/01/21 13:56	CWK

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

ST-80

1033031-08 (Nonpotable Water)
Sample Date: 03/30/21

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	8.8		mg/L	3.0	3.0	1	04/01/21	04/01/21 16:15	VVD
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	808		uS/cm			1	03/31/21	03/31/21 14:48	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	172		mg/L	0.500	0.500	1	03/30/21	03/31/21 08:43	VVD
Nitrate (as N)	1.24		mg/L			1	03/30/21	03/31/21 08:43	VVD
Sulfate	19.1		mg/L	0.3	0.3	1	03/30/21	03/31/21 08:43	VVD
Nitrate	5.62		mg/L	0.050	0.050	1	03/30/21	03/31/21 08:43	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	2.4		mg/L	2.3	2.3	1	03/31/21	04/01/21 15:37	MH
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	441		mg/L	10.0	10.0	1	03/31/21	04/01/21 16:28	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.14		mg/L	0.10	0.05	1	04/02/21	04/02/21 12:19	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	120		mg/L	2.0	2.0	1	04/07/21	04/07/21 12:05	FRD

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Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/07/21 16:19

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103551 - Turbidity Prep

Blank (B103551-BLK1)

Prepared & Analyzed: 03/31/21

Turbidity	ND		0.500	NTU						
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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

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

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

Blank (B103547-BLK1)

Prepared & Analyzed: 03/31/21

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	50.92			ug/L	50.0		102	70-130		
Surrogate: Toluene-d8	49.44			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	49.64			ug/L	50.0		99	75-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

Acetone	8.8		5.0	ug/L	10.0		88	50-150		
Benzene	5.0		1.0	ug/L	5.00		100	50-150		
Bromochloromethane	4.9		1.0	ug/L	5.00		97	50-150		
Bromodichloromethane	4.8		1.0	ug/L	5.00		96	50-150		
Bromoform	4.2		1.0	ug/L	5.00		84	50-150		
Bromomethane	5.6		1.0	ug/L	5.00		112	50-150		
2-Butanone (MEK)	9.2		5.0	ug/L	10.0		92	50-150		
Carbon disulfide	5.4		1.0	ug/L	5.00		108	50-150		
Carbon tetrachloride	4.7		1.0	ug/L	5.00		95	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		98	50-150		
Chloroethane	5.6		1.0	ug/L	5.00		112	50-150		
Chloroform	4.8		1.0	ug/L	5.00		95	50-150		
Chloromethane	5.0		1.0	ug/L	5.00		101	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		90	50-150		
1,2-Dibromo-3-chloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dibromoethane (EDB)	4.7		1.0	ug/L	5.00		94	50-150		
Dibromomethane	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichlorobenzene	5.0		1.0	ug/L	5.00		101	50-150		
1,4-Dichlorobenzene	5.0		1.0	ug/L	5.00		100	50-150		
1,1-Dichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1-Dichloroethene	4.9		1.0	ug/L	5.00		97	50-150		
cis-1,2-Dichloroethene	4.7		1.0	ug/L	5.00		94	50-150		
trans-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		97	50-150		
2,2-Dichloropropane	4.8		1.0	ug/L	5.00		96	50-150		
1,1-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
cis-1,3-Dichloropropene	4.5		1.0	ug/L	5.00		89	50-150		
trans-1,3-Dichloropropene	4.8		1.0	ug/L	5.00		96	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.00		102	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

LCS (B103547-BS1)

Prepared & Analyzed: 03/31/21

2-Hexanone	9.5		5.0	ug/L	10.0		95	50-150		
Methyl tert-butyl ether (MTBE)	4.9		1.0	ug/L	5.00		97	50-150		
4-Methyl-2-pentanone	9.3		5.0	ug/L	10.0		93	50-150		
Methylene chloride	5.8		1.0	ug/L	5.00		117	0-200		
Methyl methacrylate	4.6	J	5.0	ug/L	5.00		92	50-150		
Styrene	4.8		1.0	ug/L	5.00		95	50-150		
1,1,1,2-Tetrachloroethane	4.5		1.0	ug/L	5.00		91	50-150		
1,1,2,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Tetrachloroethene	5.0		1.0	ug/L	5.00		100	50-150		
Toluene	4.8		1.0	ug/L	5.00		96	50-150		
1,1,1-Trichloroethane	4.7		1.0	ug/L	5.00		95	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Trichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
Trichlorofluoromethane (Freon 11)	5.1		1.0	ug/L	5.00		103	50-150		
1,2,3-Trichloropropane	4.7		1.0	ug/L	5.00		94	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		80	50-150		
Vinyl chloride	5.2		1.0	ug/L	5.00		105	50-150		
o-Xylene	5.0		1.0	ug/L	5.00		101	50-150		
m- & p-Xylenes	9.8		1.0	ug/L	10.0		98	50-150		
Surrogate: 1,2-Dichloroethane-d4	50.43			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	49.79			ug/L	50.0		100	75-120		
Surrogate: 4-Bromofluorobenzene	50.69			ug/L	50.0		101	75-120		

Duplicate (B103547-DUP1)

Source: 1033031-02

Prepared & Analyzed: 03/31/21

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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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)	Source: 1033031-02	Prepared & Analyzed: 03/31/21		
2-Butanone (MEK)	ND	5.0 ug/L	ND	20
Carbon disulfide	ND	1.0 ug/L	ND	20
Carbon tetrachloride	ND	1.0 ug/L	ND	20
Chlorobenzene	ND	1.0 ug/L	ND	20
Chloroethane	ND	1.0 ug/L	ND	20
Chloroform	ND	1.0 ug/L	ND	20
Chloromethane	ND	1.0 ug/L	ND	20
Chloroprene	ND	1.0 ug/L	ND	20
Dibromochloromethane	ND	1.0 ug/L	ND	20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20
Dibromomethane	ND	1.0 ug/L	ND	20
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	20
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

Duplicate (B103547-DUP1)	Source: 1033031-02	Prepared & Analyzed: 03/31/21			
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	50.75	ug/L	50.0	102	70-130
Surrogate: Toluene-d8	49.76	ug/L	50.0	100	75-120
Surrogate: 4-Bromofluorobenzene	50.05	ug/L	50.0	100	75-120

Matrix Spike (B103547-MS1)	Source: 1033031-03	Prepared & Analyzed: 03/31/21				
Acetone	12.9	5.0 ug/L	10.0	1.1	118	60-120
Benzene	11.0	1.0 ug/L	10.0	ND	110	60-120
Bromochloromethane	11.2	1.0 ug/L	10.0	ND	112	60-120
Bromodichloromethane	10.5	1.0 ug/L	10.0	ND	105	60-120
Bromoform	9.9	1.0 ug/L	10.0	ND	99	60-120
Bromomethane	1.6	1.0 ug/L	10.0	ND	16	60-120
2-Butanone (MEK)	10.7	5.0 ug/L	10.0	ND	107	60-120
Carbon disulfide	10.2	1.0 ug/L	10.0	ND	102	60-120
Carbon tetrachloride	10.8	1.0 ug/L	10.0	ND	108	60-120

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

Matrix Spike (B103547-MS1)	Source: 1033031-03			Prepared & Analyzed: 03/31/21						
Chlorobenzene	10.5		1.0	ug/L	10.0	ND	105	60-120		
Chloroethane	13.3		1.0	ug/L	10.0	ND	133	60-120		
Chloroform	11.5		1.0	ug/L	10.0	ND	115	60-120		
Chloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
Dibromochloromethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,2-Dibromo-3-chloropropane	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,2-Dibromoethane (EDB)	10.5		1.0	ug/L	10.0	ND	105	60-120		
Dibromomethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,2-Dichlorobenzene	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,4-Dichlorobenzene	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,1-Dichloroethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,2-Dichloroethane	10.9		1.0	ug/L	10.0	ND	109	60-120		
1,1-Dichloroethene	10.4		1.0	ug/L	10.0	ND	104	60-120		
cis-1,2-Dichloroethene	15.9		1.0	ug/L	10.0	4.9	110	60-120		
trans-1,2-Dichloroethene	10.3		1.0	ug/L	10.0	ND	103	60-120		
1,2-Dichloropropane	11.2		1.0	ug/L	10.0	ND	112	60-120		
1,3-Dichloropropane	10.8		1.0	ug/L	10.0	ND	108	60-120		
2,2-Dichloropropane	8.7		1.0	ug/L	10.0	ND	87	60-120		
1,1-Dichloropropene	9.8		1.0	ug/L	10.0	ND	98	60-120		
cis-1,3-Dichloropropene	10.0		1.0	ug/L	10.0	ND	100	60-120		
trans-1,3-Dichloropropene	9.6		1.0	ug/L	10.0	ND	96	60-120		
Ethylbenzene	10.2		1.0	ug/L	10.0	ND	102	60-120		
2-Hexanone	10.0		5.0	ug/L	10.0	ND	100	60-120		
Methyl tert-butyl ether (MTBE)	10.7		1.0	ug/L	10.0	ND	107	60-120		
4-Methyl-2-pentanone	10.2		5.0	ug/L	10.0	ND	102	60-120		
Methylene chloride	9.9		1.0	ug/L	10.0	ND	99	60-120		
Methyl methacrylate	10.0		5.0	ug/L	10.0	ND	100	60-120		
Styrene	9.3		1.0	ug/L	10.0	ND	93	60-120		
1,1,1,2-Tetrachloroethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,1,2,2-Tetrachloroethane	10.3		1.0	ug/L	10.0	ND	103	60-120		
Tetrachloroethene	16.4		1.0	ug/L	10.0	7.5	89	60-120		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103547 - GCMS-WATER-VOLATILES

Matrix Spike (B103547-MS1)	Source: 1033031-03	Prepared & Analyzed: 03/31/21
Toluene	10.1	1.0 ug/L 10.0 ND 101 60-120
1,1,1-Trichloroethane	10.8	1.0 ug/L 10.0 ND 108 60-120
1,1,2-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120
Trichloroethene	13.8	1.0 ug/L 10.0 3.5 104 60-120
Trichlorofluoromethane (Freon 11)	10.7	1.0 ug/L 10.0 ND 107 60-120
1,2,3-Trichloropropane	10.1	1.0 ug/L 10.0 ND 101 60-120
Vinyl acetate	9.2	1.0 ug/L 10.0 ND 92 60-120
Vinyl chloride	10.2	1.0 ug/L 10.0 ND 102 60-120
o-Xylene	10.2	1.0 ug/L 10.0 ND 102 60-120
m- & p-Xylenes	19.6	1.0 ug/L 20.0 ND 98 60-120
Surrogate: 1,2-Dichloroethane-d4	50.66	ug/L 50.0 101 70-130
Surrogate: Toluene-d8	49.56	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	50.68	ug/L 50.0 101 75-120



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103562 - 504.1 EDB/DBCP										
Blank (B103562-BLK1)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103562-BLK2)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B103562-BLK3)					Prepared: 03/31/21 Analyzed: 04/02/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B103562-BS1)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	0.100		0.050	ug/L	0.100		100	50-150		
1,2-Dibromoethane (EDB)	0.114		0.020	ug/L	0.100		114	50-150		
LCS (B103562-BS2)					Prepared: 03/31/21 Analyzed: 04/01/21					
1,2-Dibromo-3-chloropropane	0.085		0.050	ug/L	0.100		85	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		
LCS (B103562-BS3)					Prepared: 03/31/21 Analyzed: 04/02/21					
1,2-Dibromo-3-chloropropane	0.088		0.050	ug/L	0.100		88	50-150		
1,2-Dibromoethane (EDB)	0.110		0.020	ug/L	0.100		110	50-150		
Matrix Spike (B103562-MS1)			Source: 1032437-02			Prepared: 03/31/21 Analyzed: 04/01/21				
1,2-Dibromo-3-chloropropane	0.180		0.047	ug/L	0.190	ND	95	50-150		
1,2-Dibromoethane (EDB)	0.203		0.019	ug/L	0.190	ND	107	50-150		
Matrix Spike (B103562-MS2)			Source: 1032911-08			Prepared: 03/31/21 Analyzed: 04/01/21				
1,2-Dibromo-3-chloropropane	0.179		0.048	ug/L	0.190	ND	94	50-150		
1,2-Dibromoethane (EDB)	0.200		0.019	ug/L	0.190	ND	105	50-150		

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103562 - 504.1 EDB/DBCP

Matrix Spike (B103562-MS3)		Source: 1033103-09		Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.193	0.047	ug/L	0.189	ND	102	50-150
1,2-Dibromoethane (EDB)	0.218	0.019	ug/L	0.189	ND	116	50-150
Reference (B103562-SRM1)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.020	0.050	ug/L	0.0200		101	0-200
1,2-Dibromoethane (EDB)	0.026	0.020	ug/L	0.0200		129	0-200
Reference (B103562-SRM2)				Prepared: 03/31/21		Analyzed: 04/01/21	
1,2-Dibromo-3-chloropropane	0.012	0.050	ug/L	0.0200		62	0-200
1,2-Dibromoethane (EDB)	0.018	0.020	ug/L	0.0200		90	0-200
Reference (B103562-SRM3)				Prepared: 03/31/21		Analyzed: 04/02/21	
1,2-Dibromo-3-chloropropane	0.018	0.050	ug/L	0.0200		89	0-200
1,2-Dibromoethane (EDB)	0.017	0.020	ug/L	0.0200		85	0-200



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103557 - 3010A-Metals Digestion

Blank (B103557-BLK1)

Prepared: 03/31/21 Analyzed: 04/01/21

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 (B103557-BS1)

Prepared: 03/31/21 Analyzed: 04/01/21

Antimony	45.1		1.00	ug/L	50.0		90	80-120		
Arsenic	46.9		1.00	ug/L	50.0		94	80-120		
Barium	46.4		1.00	ug/L	50.0		93	80-120		
Beryllium	48.3		1.00	ug/L	50.0		97	80-120		
Cadmium	46.7		1.00	ug/L	50.0		93	80-120		
Calcium	4810		80.0	ug/L	5000		96	80-120		
Chromium	47.0		1.00	ug/L	50.0		94	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103557 - 3010A-Metals Digestion

LCS (B103557-BS1)

Prepared: 03/31/21 Analyzed: 04/01/21

Cobalt	48.2		1.00	ug/L	50.0		96	80-120		
Copper	50.7		1.00	ug/L	50.0		101	80-120		
Iron	4860		100	ug/L	5000		97	80-120		
Lead	45.3		1.00	ug/L	50.0		91	80-120		
Magnesium	4690		100	ug/L	5000		94	80-120		
Manganese	47.6		1.00	ug/L	50.0		95	80-120		
Mercury	2.36		0.100	ug/L	2.50		94	80-120		
Nickel	45.2		1.00	ug/L	50.0		90	80-120		
Potassium	4750		100	ug/L	5000		95	80-120		
Selenium	49.3		1.00	ug/L	50.0		99	80-120		
Silver	48.2		1.00	ug/L	50.0		96	80-120		
Sodium	4810		100	ug/L	5000		96	80-120		
Thallium	46.5		1.00	ug/L	50.0		93	80-120		
Vanadium	46.4		1.00	ug/L	50.0		93	80-120		
Zinc	98.0		4.00	ug/L	100		98	80-120		

Duplicate (B103557-DUP1)

Source: 1033010-01

Prepared: 03/31/21 Analyzed: 04/01/21

Hardness as CaCO3	167000		500	ug/L		163000			3	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	4.76		1.00	ug/L		4.50			6	200
Barium	56.8		1.00	ug/L		55.4			3	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	17100		80.0	ug/L		16400			4	200
Chromium	2.13		1.00	ug/L		2.24			5	200
Cobalt	2.65		1.00	ug/L		2.53			4	200
Copper	7.27		1.00	ug/L		6.86			6	200
Iron	50600		100	ug/L		49600			2	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	30300		100	ug/L		29700			2	200
Manganese	263		1.00	ug/L		259			2	200
Mercury	ND		0.100	ug/L		ND				200

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103557 - 3010A-Metals Digestion

Duplicate (B103557-DUP1)		Source: 1033010-01		Prepared: 03/31/21		Analyzed: 04/01/21	
Nickel	ND	1.00	ug/L	ND			200
Potassium	935	100	ug/L	885		5	200
Selenium	ND	1.00	ug/L	ND			200
Silver	ND	1.00	ug/L	ND			200
Sodium	37500	100	ug/L	37000		2	200
Thallium	ND	1.00	ug/L	ND			200
Vanadium	1.60	1.00	ug/L	1.40		13	200
Zinc	ND	4.00	ug/L	ND			200

Matrix Spike (B103557-MS1)		Source: 1033010-01		Prepared: 03/31/21		Analyzed: 04/01/21	
Antimony	46.3	1.00	ug/L	50.0	ND	93	60-140
Arsenic	51.5	1.00	ug/L	50.0	4.50	94	60-140
Barium	105	1.00	ug/L	50.0	55.4	99	60-140
Beryllium	47.3	1.00	ug/L	50.0	ND	95	60-140
Cadmium	46.8	1.00	ug/L	50.0	ND	94	60-140
Calcium	21900	80.0	ug/L	5000	16400	109	60-140
Chromium	48.8	1.00	ug/L	50.0	2.24	93	60-140
Cobalt	49.3	1.00	ug/L	50.0	2.53	94	60-140
Copper	54.0	1.00	ug/L	50.0	6.86	94	60-140
Iron	55400	100	ug/L	5000	49600	114	60-140
Lead	46.3	1.00	ug/L	50.0	ND	93	60-140
Magnesium	34700	100	ug/L	5000	29700	100	60-140
Manganese	313	1.00	ug/L	50.0	259	108	60-140
Mercury	2.28	0.100	ug/L	2.50	ND	91	60-140
Nickel	44.9	1.00	ug/L	50.0	ND	90	60-140
Potassium	5620	100	ug/L	5000	885	95	60-140
Selenium	48.3	1.00	ug/L	50.0	ND	97	60-140
Silver	47.5	1.00	ug/L	50.0	ND	95	60-140
Sodium	41900	100	ug/L	5000	37000	99	60-140
Thallium	47.5	1.00	ug/L	50.0	ND	95	60-140
Vanadium	48.4	1.00	ug/L	50.0	1.40	94	60-140
Zinc	94.3	4.00	ug/L	100	ND	94	60-140

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B104017 - COD (03) Prep										
Blank (B104017-BLK1)					Prepared & Analyzed: 04/01/21					
COD	ND		3.0	mg/L						
LCS (B104017-BS1)					Prepared & Analyzed: 04/01/21					
COD	51.9		3.0	mg/L	50.0		104	90-110		
Duplicate (B104017-DUP1)					Source: 1033010-01 Prepared & Analyzed: 04/01/21					
COD	34.3		3.0	mg/L		37.6			9	20
Matrix Spike (B104017-MS1)					Source: 1033010-01 Prepared & Analyzed: 04/01/21					
COD	89.7		3.0	mg/L	50.0	37.6	104	90-110		



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Conductivity by SM2510 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103549 - Conductivity										
Duplicate (B103549-DUP1)			Source: 1032911-01		Prepared & Analyzed: 03/31/21					
Conductivity	1260			uS/cm		1260			0.2	200
Duplicate (B103549-DUP2)			Source: 1033010-01		Prepared & Analyzed: 03/31/21					
Conductivity	528			uS/cm		528			0.02	200
Duplicate (B103549-DUP3)			Source: 1033031-02		Prepared & Analyzed: 03/31/21					
Conductivity	206			uS/cm		208			1	200



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103534 - 300.0 Anions Prep

Blank (B103534-BLK1)

Prepared & Analyzed: 03/30/21

Sulfate	ND		0.3	mg/L						
Nitrate (as N)	0.00			mg/L						
Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						

Blank (B103534-BLK2)

Prepared: 03/30/21 Analyzed: 03/31/21

Nitrate (as N)	0.00			mg/L						
Chloride	ND		0.500	mg/L						
Sulfate	ND		0.3	mg/L						
Nitrate	ND		0.050	mg/L						

LCS (B103534-BS1)

Prepared & Analyzed: 03/30/21

Sulfate	3.9		0.3	mg/L	4.00		98	80-120		
Chloride	3.87		0.500	mg/L	4.00		97	80-120		
Nitrate (as N)	0.837			mg/L				80-120		
Nitrate	3.80		0.050	mg/L	4.00		95	80-120		

LCS (B103534-BS2)

Prepared: 03/30/21 Analyzed: 03/31/21

Nitrate (as N)	0.828			mg/L				80-120		
Sulfate	4.0		0.3	mg/L	4.00		99	80-120		
Chloride	3.83		0.500	mg/L	4.00		96	80-120		
Nitrate	3.76		0.050	mg/L	4.00		94	80-120		

Duplicate (B103534-DUP1)

Source: 1032911-01

Prepared & Analyzed: 03/30/21

Sulfate	45.8		0.3	mg/L		45.7			0.2	200
Nitrate (as N)	0.743			mg/L		0.741			0.2	200
Chloride	238		0.500	mg/L		238			0.005	200
Nitrate	3.38		0.050	mg/L		3.37			0.2	200

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Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103534 - 300.0 Anions Prep

Duplicate (B103534-DUP2) Source: 1033031-02 Prepared: 03/30/21 Analyzed: 03/31/21

Chloride	29.4		0.500	mg/L		29.5		0.04	200
Sulfate	8.1		0.3	mg/L		8.5		5	200
Nitrate (as N)	4.72			mg/L		4.74		0.5	200
Nitrate	21.4		0.050	mg/L		21.6		0.5	200

Matrix Spike (B103534-MS1) Source: 1032911-01 Prepared & Analyzed: 03/30/21

Nitrate (as N)	1.60			mg/L		0.741		80-120	
Chloride	240	QM-4X	0.500	mg/L	4.00	238	42	80-120	
Sulfate	51.5	QM-4X	0.3	mg/L	4.00	45.7	146	80-120	
Nitrate	7.27		0.050	mg/L	4.00	3.37	98	80-120	

Matrix Spike (B103534-MS2) Source: 1033031-02 Prepared: 03/30/21 Analyzed: 03/31/21

Chloride	33.3		0.500	mg/L	4.00	29.5	96	80-120	
Nitrate (as N)	5.58			mg/L		4.74		80-120	
Sulfate	12.6		0.3	mg/L	4.00	8.5	102	80-120	
Nitrate	25.4		0.050	mg/L	4.00	21.6	95	80-120	



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

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 B103555 - TSS PREP										
Blank (B103555-BLK1)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Suspended	ND		2.5	mg/L						
Blank (B103555-BLK2)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B103555-BS1)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Suspended	62.4		2.5	mg/L	61.8		101	70-130		
LCS (B103555-BS2)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Suspended	67.6		2.5	mg/L	65.8		103	70-130		
Duplicate (B103555-DUP1)			Source: 1033031-02			Prepared: 03/31/21 Analyzed: 04/01/21				
Solids, Suspended	180		5.3	mg/L		234			26	20



Will Brewington, President

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B103558 - TDS Prep										
Blank (B103558-BLK1)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B103558-BS1)					Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Dissolved	762		10.0	mg/L	775		98	90-110		
Duplicate (B103558-DUP1)			Source: 1032911-07		Prepared: 03/31/21 Analyzed: 04/01/21					
Solids, Dissolved	336		10.0	mg/L		328			2	20



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1D0007 - No Prep WC										
Blank (B1D0007-BLK1)					Prepared & Analyzed: 04/02/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1D0007-BS1)					Prepared & Analyzed: 04/02/21					
Ammonia Nitrogen	2.08		0.10	mg/L	2.00		104	90-110		
Duplicate (B1D0007-DUP1)					Source: E066515-01		Prepared & Analyzed: 04/02/21			
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
Matrix Spike (B1D0007-MS1)					Source: E066515-01		Prepared & Analyzed: 04/02/21			
Ammonia Nitrogen	1.98		0.10	mg/L	2.00	ND	99.2	90-110		
Batch B1D0008 - No Prep WC										
Blank (B1D0008-BLK1)					Prepared & Analyzed: 04/02/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1D0008-BS1)					Prepared & Analyzed: 04/02/21					
Ammonia Nitrogen	2.03		0.10	mg/L	2.00		102	90-110		
Duplicate (B1D0008-DUP1)					Source: 1033031-06		Prepared & Analyzed: 04/02/21			
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
Matrix Spike (B1D0008-MS1)					Source: 1033031-06		Prepared & Analyzed: 04/02/21			
Ammonia Nitrogen	1.91		0.10	mg/L	2.00	ND	95.3	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.



Will Brewington, President

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0034 - No Prep WC

LCS (B1D0034-BS1)					Prepared: 04/06/21 Analyzed: 04/07/21					
Alkalinity as CaCO3	100		1.0	mg/L				90-110		

Duplicate (B1D0034-DUP1)					Source: E066515-02		Prepared: 04/06/21 Analyzed: 04/07/21			
Alkalinity as CaCO3	82.0		1.0	mg/L	83.0				1.21	20

Batch B1D0047 - No Prep WC

LCS (B1D0047-BS1)					Prepared & Analyzed: 04/07/21					
Alkalinity as CaCO3	103		1.0	mg/L				90-110		

Duplicate (B1D0047-DUP1)					Source: 1033031-06		Prepared & Analyzed: 04/07/21			
Alkalinity as CaCO3	19.0		1.0	mg/L	19.0				0.00	20



Will Brewington, President

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/07/21 16:19

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-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



Will Brewington, President

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

Company Name: EA	Project Manager: Laura Oakes	Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill	Project ID: 1556404	No. of Containers	8260LL VOC & 80U	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. Szamski	P.O. Number: 19541									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 Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC & 80U	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
TRIP BLANK	3/30/21	1420	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃	TRIP BLANK	1033031-01
MW-4 on MW-15		0940	X			11	X	X	X	X	X	X	X			-02
MW-11B		1054	X			11	X	X	X	X	X	X	X			-03
MW-11A		1134	X			11	X	X	X	X	X	X	X			-04
MW-10		1244	X			11	X	X	X	X	X	X	X			-05
MW-14A		1403	X			11	X	X	X	X	X	X	X			-06
MW-14B		1450	X			11	X	X	X	X	X	X	X			-07
ST-80		1530	X			11	X	X	X	X	X	X	X			-08

Relinquished by: (Signature) 	Date/Time 3/30/21	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Andy Szamski	1420	(Printed)	(Printed)		(Printed)

Relinquished by: (Signature) 	Date/Time 16:23	Received by Lab: (Signature)	Turn Around Time:	Lab Use:
(Printed)	3-30-21	(Printed) Lowi Foster	<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: ____°C 6.0 <input type="checkbox"/> Received on Ice <input 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

SUBCONTRACT ORDER
Maryland Spectral Services

66517

1033031

Page 57 of 57

SENDING LABORATORY:

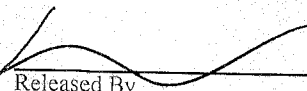
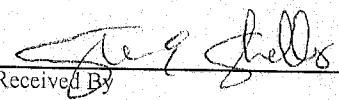
Maryland Spectral Services
 1500 Caton Center Dr. Suite G
 Halethorpe, MD 21227
 Phone: 410.247.7600
 Project Manager: Cory Koons
 Reports Email: Reporting@mdspectral.com

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 04/06/21

Sample ID	Location	Water	Sampled	Laboratory ID	Comments
1033031-02	MW-15		03/30/21 10:54		
Alkalinity		Nitrogen, Ammonia			
<i>Containers Supplied:</i> Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
1033031-03	MW-11B		03/30/21 09:40		
Alkalinity		Nitrogen, Ammonia			
<i>Containers Supplied:</i> Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
1033031-04	MW-11A		03/30/21 11:34		
Alkalinity		Nitrogen, Ammonia			
<i>Containers Supplied:</i> Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
1033031-05	MW-10		03/30/21 12:44		
Alkalinity		Nitrogen, Ammonia			
<i>Containers Supplied:</i> Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					

Released By:  Date: 3-31-21
 Received By:  Date: 3/31/21 @ 1246

Released By: _____ Date: _____ Received By: _____ Date: _____

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14 April 2021

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 03/31/21 12:35.

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,



Rabecka Koons
Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-21A		1033104-01	Nonpotable Water	03/31/21 08:23	03/31/21 12:35
MW-21B		1033104-02	Nonpotable Water	03/31/21 09:03	03/31/21 12:35
0B025		1033104-03	Nonpotable Water	03/31/21 09:45	03/31/21 12:35
0B11		1033104-04	Nonpotable Water	03/31/21 10:39	03/31/21 12:35
0B11A		1033104-05	Nonpotable Water	03/31/21 11:20	03/31/21 12:35
DUP-0B50		1033104-06	Nonpotable Water	03/31/21 00:00	03/31/21 12:35
TRIP BLANK		1033104-07	Nonpotable Water	03/31/21 12:35	03/31/21 12:35

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21A

1033104-01 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.35		pH Units			1	03/31/21	03/31/21 15:37	MH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	90.0		NTU	2.50	0.550	5	03/31/21	03/31/21 17:22	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:10	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:10	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Benzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:10	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Chlorobenzene	1.2		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,1-Dichloroethane	1.4		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
cis-1,2-Dichloroethene	3.9		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21A

1033104-01 (Nonpotable Water)
Sample Date: 03/31/21

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	04/06/21	04/06/21 16:10	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:10	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:10	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 16:10	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:10	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:10	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Trichloroethene	2.3		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:10	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	115 %	04/06/21		04/06/21 16:10		
Surrogate: Toluene-d8			75-120	100 %	04/06/21		04/06/21 16:10		
Surrogate: 4-Bromofluorobenzene			75-120	103 %	04/06/21		04/06/21 16:10		

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21A

**1033104-01 (Nonpotable Water)
Sample Date: 03/31/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	04/06/21	04/07/21 21:46	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 21:46	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	361000		ug/L	500	500	1	04/01/21	04/02/21 14:19	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Arsenic	2.28		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Barium	355		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Cadmium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Calcium	72400		ug/L	80.0	80.0	1	04/01/21	04/02/21 14:19	CWK
Chromium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Cobalt	78.3		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Copper	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Iron	23100		ug/L	100	5.00	1	04/01/21	04/02/21 14:19	CWK
Lead	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Magnesium	43800		ug/L	100	100	1	04/01/21	04/02/21 14:19	CWK
Manganese	9190		ug/L	20.0	20.0	20	04/01/21	04/02/21 15:46	CWK
Mercury	ND		ug/L	0.100	0.100	1	04/01/21	04/02/21 14:19	CWK
Nickel	13.6		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Potassium	23200		ug/L	100	100	1	04/01/21	04/02/21 14:19	CWK
Selenium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Silver	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Sodium	42700		ug/L	100	100	1	04/01/21	04/02/21 14:19	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Vanadium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:19	CWK
Zinc	11.3		ug/L	4.00	4.00	1	04/01/21	04/02/21 14:19	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21A

1033104-01 (Nonpotable Water)
Sample Date: 03/31/21

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	20.6		mg/L	3.0	3.0	1	04/08/21	04/08/21 14:32	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1200		uS/cm			1	03/31/21	03/31/21 16:28	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	58.3		mg/L	0.500	0.500	1	03/31/21	04/01/21 00:17	VVD
Nitrate (as N)	0.00		mg/L			1	03/31/21	04/01/21 00:17	VVD
Sulfate	12.8		mg/L	0.3	0.3	1	03/31/21	04/01/21 00:17	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/31/21	04/01/21 00:17	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	16.7		mg/L	2.4	2.4	1	04/01/21	04/02/21 10:22	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	575		mg/L	10.0	10.0	1	04/06/21	04/06/21 14:01	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	10.8		mg/L	0.50	0.25	5	04/05/21	04/05/21 14:23	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	479		mg/L	2.0	2.0	1	04/08/21	04/08/21 16:10	SES



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21B

1033104-02 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.22		pH Units			1	03/31/21	03/31/21 15:37	MH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	86.0		NTU	2.50	0.550	5	03/31/21	03/31/21 17:22	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:33	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:33	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Benzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:33	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,1-Dichloroethane	10.3		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
cis-1,2-Dichloroethene	25.4		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21B

1033104-02 (Nonpotable Water)
Sample Date: 03/31/21

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	3.0		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:33	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:33	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 16:33	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:33	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:33	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Tetrachloroethene	3.6		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Trichloroethene	16.6		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Vinyl chloride	3.5		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:33	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	115 %			04/06/21	04/06/21 16:33	
Surrogate: Toluene-d8			75-120	100 %			04/06/21	04/06/21 16:33	
Surrogate: 4-Bromofluorobenzene			75-120	102 %			04/06/21	04/06/21 16:33	

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21B

1033104-02 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	04/06/21	04/07/21 22:01	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 22:01	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	279000		ug/L	500	500	1	04/01/21	04/02/21 14:22	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Arsenic	1.95		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Barium	99.4		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Cadmium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Calcium	60800		ug/L	80.0	80.0	1	04/01/21	04/02/21 14:22	CWK
Chromium	3.70		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Cobalt	61.1		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Copper	2.92		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Iron	39800		ug/L	100	5.00	1	04/01/21	04/02/21 14:22	CWK
Lead	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Magnesium	31000		ug/L	100	100	1	04/01/21	04/02/21 14:22	CWK
Manganese	5120		ug/L	10.0	10.0	10	04/01/21	04/02/21 15:48	CWK
Mercury	ND		ug/L	0.100	0.100	1	04/01/21	04/02/21 14:22	CWK
Nickel	27.5		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Potassium	3920		ug/L	100	100	1	04/01/21	04/02/21 14:22	CWK
Selenium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Silver	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Sodium	62300		ug/L	100	100	1	04/01/21	04/02/21 14:22	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Vanadium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:22	CWK
Zinc	11.1		ug/L	4.00	4.00	1	04/01/21	04/02/21 14:22	CWK

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

MW-21B

1033104-02 (Nonpotable Water)
Sample Date: 03/31/21

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	14.1		mg/L	3.0	3.0	1	04/08/21	04/08/21 14:33	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1110		uS/cm			1	03/31/21	03/31/21 16:28	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	187		mg/L	0.500	0.500	1	03/31/21	04/01/21 00:35	VVD
Nitrate (as N)	0.00		mg/L			1	03/31/21	04/01/21 00:35	VVD
Sulfate	16.9		mg/L	0.3	0.3	1	03/31/21	04/01/21 00:35	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/31/21	04/01/21 00:35	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	46.4		mg/L	4.7	4.7	1	04/01/21	04/02/21 10:22	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	282		mg/L	10.0	10.0	1	04/06/21	04/06/21 14:01	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.41		mg/L	0.10	0.05	1	04/05/21	04/05/21 14:38	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	275		mg/L	2.0	2.0	1	04/08/21	04/08/21 16:10	SES

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B025

1033104-03 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	6.38		pH Units			1	03/31/21	03/31/21 15:37	MH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	57.5		NTU	2.50	0.550	5	03/31/21	03/31/21 17:23	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:57	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:57	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Benzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:57	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
cis-1,2-Dichloroethene	2.4		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B025

1033104-03 (Nonpotable Water)
Sample Date: 03/31/21

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	04/06/21	04/06/21 16:57	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:57	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:57	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 16:57	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:57	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 16:57	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 16:57	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	117 %	04/06/21		04/06/21 16:57		
Surrogate: Toluene-d8			75-120	99 %	04/06/21		04/06/21 16:57		
Surrogate: 4-Bromofluorobenzene			75-120	102 %	04/06/21		04/06/21 16:57		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B025

1033104-03 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	04/06/21	04/07/21 22:16	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 22:16	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	315000		ug/L	500	500	1	04/01/21	04/02/21 14:24	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Arsenic	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Barium	100		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Cadmium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Calcium	51500		ug/L	80.0	80.0	1	04/01/21	04/02/21 14:24	CWK
Chromium	2.96		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Cobalt	26.8		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Copper	2.24		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Iron	5070		ug/L	100	5.00	1	04/01/21	04/02/21 14:24	CWK
Lead	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Magnesium	45200		ug/L	100	100	1	04/01/21	04/02/21 14:24	CWK
Manganese	19600		ug/L	50.0	50.0	50	04/01/21	04/02/21 15:51	CWK
Mercury	ND		ug/L	0.100	0.100	1	04/01/21	04/02/21 14:24	CWK
Nickel	20.3		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Potassium	13400		ug/L	100	100	1	04/01/21	04/02/21 14:24	CWK
Selenium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Silver	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Sodium	71700		ug/L	100	100	1	04/01/21	04/02/21 14:24	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Vanadium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:24	CWK
Zinc	10.6		ug/L	4.00	4.00	1	04/01/21	04/02/21 14:24	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B025

1033104-03 (Nonpotable Water)
Sample Date: 03/31/21

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	17.0		mg/L	3.0	3.0	1	04/08/21	04/08/21 14:33	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1150		uS/cm			1	03/31/21	03/31/21 16:28	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	150		mg/L	0.500	0.500	1	03/31/21	04/01/21 00:53	VVD
Nitrate (as N)	3.85		mg/L			1	03/31/21	04/01/21 00:53	VVD
Sulfate	32.3		mg/L	0.3	0.3	1	03/31/21	04/01/21 00:53	VVD
Nitrate	17.5		mg/L	0.050	0.050	1	03/31/21	04/01/21 00:53	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	83.3		mg/L	2.4	2.4	1	04/01/21	04/02/21 10:22	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1300		mg/L	10.0	10.0	1	04/06/21	04/06/21 14:01	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.37		mg/L	0.10	0.05	1	04/05/21	04/05/21 12:51	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	330		mg/L	2.0	2.0	1	04/08/21	04/08/21 16:10	SES



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11

1033104-04 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.79		pH Units			1	03/31/21	03/31/21 15:37	MH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	3.63		NTU	0.500	0.110	1	03/31/21	03/31/21 17:05	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	5.6		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:20	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:20	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Benzene	2.5		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:20	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Chlorobenzene	27.4		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,2-Dichlorobenzene	2.8		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,4-Dichlorobenzene	18.8		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,1-Dichloroethane	11.9		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,2-Dichloroethane	2.3		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
cis-1,2-Dichloroethene	77.1		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
trans-1,2-Dichloroethene	2.7		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,2-Dichloropropane	4.6		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11

**1033104-04 (Nonpotable Water)
Sample Date: 03/31/21**

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	04/06/21	04/06/21 17:20	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:20	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:20	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 17:20	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Methyl tert-butyl ether (MTBE)	2.0		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:20	AS
Methylene chloride	4.3		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:20	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Tetrachloroethene	7.1		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Trichloroethene	7.8		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Vinyl chloride	17.1		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:20	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	116 %	04/06/21		04/06/21 17:20		
Surrogate: Toluene-d8			75-120	99 %	04/06/21		04/06/21 17:20		
Surrogate: 4-Bromofluorobenzene			75-120	104 %	04/06/21		04/06/21 17:20		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11

1033104-04 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	04/06/21	04/07/21 22:31	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 22:31	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	660000		ug/L	2500	2500	5	04/01/21	04/02/21 15:53	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Arsenic	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Barium	26.2		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Cadmium	12.7		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Calcium	124000		ug/L	400	400	5	04/01/21	04/02/21 15:53	CWK
Chromium	1.17		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Cobalt	2.25		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Copper	6.31		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Iron	318		ug/L	100	5.00	1	04/01/21	04/02/21 14:27	CWK
Lead	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Magnesium	85000		ug/L	500	500	5	04/01/21	04/02/21 15:53	CWK
Manganese	1620		ug/L	5.00	5.00	5	04/01/21	04/02/21 15:53	CWK
Mercury	4.22		ug/L	0.100	0.100	1	04/01/21	04/02/21 14:27	CWK
Nickel	32.1		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Potassium	4870		ug/L	100	100	1	04/01/21	04/02/21 14:27	CWK
Selenium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Silver	1.18		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Sodium	99400		ug/L	100	100	1	04/01/21	04/02/21 14:27	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Vanadium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:27	CWK
Zinc	43.1		ug/L	4.00	4.00	1	04/01/21	04/02/21 14:27	CWK

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11

1033104-04 (Nonpotable Water)
Sample Date: 03/31/21

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	31.4		mg/L	3.0	3.0	1	04/08/21	04/08/21 14:34	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1980		uS/cm			1	03/31/21	03/31/21 16:28	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	468		mg/L	0.500	0.500	1	03/31/21	04/01/21 01:11	VVD
Nitrate (as N)	0.00		mg/L			1	03/31/21	04/01/21 01:11	VVD
Sulfate	12.2		mg/L	0.3	0.3	1	03/31/21	04/01/21 01:11	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/31/21	04/01/21 01:11	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	13.7		mg/L	2.3	2.3	1	04/01/21	04/02/21 10:22	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1070		mg/L	10.0	10.0	1	04/06/21	04/06/21 14:01	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/05/21	04/05/21 12:53	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	287		mg/L	2.0	2.0	1	04/08/21	04/08/21 16:10	SES

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11A

**1033104-05 (Nonpotable Water)
Sample Date: 03/31/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.96		pH Units			1	03/31/21	03/31/21 15:37	MH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	18.5		NTU	0.500	0.110	1	03/31/21	03/31/21 17:06	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	6.8		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:43	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:43	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Benzene	1.7		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:43	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Chlorobenzene	25.0		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,2-Dichlorobenzene	2.4		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,4-Dichlorobenzene	17.8		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,1-Dichloroethane	12.1		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,2-Dichloroethane	2.1		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
cis-1,2-Dichloroethene	54.5		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
trans-1,2-Dichloroethene	2.8		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,2-Dichloropropane	4.2		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11A

**1033104-05 (Nonpotable Water)
Sample Date: 03/31/21**

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	04/06/21	04/06/21 17:43	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:43	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:43	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 17:43	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Methyl tert-butyl ether (MTBE)	1.9		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:43	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 17:43	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Tetrachloroethene	1.6		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Trichloroethene	7.1		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Vinyl chloride	19.7		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 17:43	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	114 %			04/06/21	04/06/21 17:43	
Surrogate: Toluene-d8			75-120	100 %			04/06/21	04/06/21 17:43	
Surrogate: 4-Bromofluorobenzene			75-120	103 %			04/06/21	04/06/21 17:43	

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Rabecka Koons

Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11A

**1033104-05 (Nonpotable Water)
Sample Date: 03/31/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	04/06/21	04/07/21 22:46	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 22:46	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	632000		ug/L	10000	10000	20	04/01/21	04/02/21 15:56	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Arsenic	2.74		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Barium	186		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Cadmium	1.74		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Calcium	107000		ug/L	1600	1600	20	04/01/21	04/02/21 15:56	CWK
Chromium	2.55		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Cobalt	39.5		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Copper	8.96		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Iron	8110		ug/L	100	5.00	1	04/01/21	04/02/21 14:30	CWK
Lead	6.34		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Magnesium	88900		ug/L	2000	2000	20	04/01/21	04/02/21 15:56	CWK
Manganese	14600		ug/L	20.0	20.0	20	04/01/21	04/02/21 15:56	CWK
Mercury	1.33		ug/L	0.100	0.100	1	04/01/21	04/02/21 14:30	CWK
Nickel	35.8		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Potassium	5610		ug/L	100	100	1	04/01/21	04/02/21 14:30	CWK
Selenium	1.44		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Silver	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Sodium	123000		ug/L	2000	2000	20	04/01/21	04/02/21 15:56	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Vanadium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:30	CWK
Zinc	24.4		ug/L	4.00	4.00	1	04/01/21	04/02/21 14:30	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

0B11A

**1033104-05 (Nonpotable Water)
Sample Date: 03/31/21**

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	31.5		mg/L	3.0	3.0	1	04/08/21	04/08/21 14:34	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1990		uS/cm			1	03/31/21	03/31/21 16:28	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	434		mg/L	0.500	0.500	1	03/31/21	04/01/21 01:29	VVD
Nitrate (as N)	0.00		mg/L			1	03/31/21	04/01/21 01:29	VVD
Sulfate	9.7		mg/L	0.3	0.3	1	03/31/21	04/01/21 01:29	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/31/21	04/01/21 01:29	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	33.0		mg/L	2.3	2.3	1	04/01/21	04/02/21 10:22	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	895		mg/L	10.0	10.0	1	04/06/21	04/06/21 14:01	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	0.58		mg/L	0.10	0.05	1	04/05/21	04/05/21 12:55	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	378		mg/L	2.0	2.0	1	04/08/21	04/08/21 16:10	SES

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

DUP-0B50

1033104-06 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.79		pH Units			1	03/31/21	03/31/21 15:37	MH
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	4.55		NTU	0.500	0.110	1	03/31/21	03/31/21 17:07	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	9.9		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:06	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:06	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Benzene	2.5		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:06	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Chlorobenzene	26.5		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,2-Dichlorobenzene	2.7		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,4-Dichlorobenzene	18.2		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,1-Dichloroethane	11.8		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,2-Dichloroethane	2.3		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
cis-1,2-Dichloroethene	75.6		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
trans-1,2-Dichloroethene	2.7		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,2-Dichloropropane	4.4		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

DUP-0B50

1033104-06 (Nonpotable Water)
Sample Date: 03/31/21

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	04/06/21	04/06/21 18:06	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:06	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:06	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 18:06	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Methyl tert-butyl ether (MTBE)	2.0		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:06	AS
Methylene chloride	4.5		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:06	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Tetrachloroethene	6.9		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Trichloroethene	7.6		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Vinyl chloride	16.6		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:06	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	114 %	04/06/21		04/06/21 18:06		
Surrogate: Toluene-d8			75-120	100 %	04/06/21		04/06/21 18:06		
Surrogate: 4-Bromofluorobenzene			75-120	104 %	04/06/21		04/06/21 18:06		

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

DUP-0B50

1033104-06 (Nonpotable Water)
Sample Date: 03/31/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	04/06/21	04/07/21 23:01	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 23:01	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	627000		ug/L	500	500	1	04/01/21	04/02/21 14:32	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Arsenic	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Barium	24.9		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Cadmium	12.3		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Calcium	122000		ug/L	400	400	5	04/01/21	04/02/21 15:58	CWK
Chromium	1.37		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Cobalt	2.16		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Copper	6.15		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Iron	364		ug/L	100	5.00	1	04/01/21	04/02/21 14:32	CWK
Lead	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Magnesium	79000		ug/L	100	100	1	04/01/21	04/02/21 14:32	CWK
Manganese	1570		ug/L	5.00	5.00	5	04/01/21	04/02/21 15:58	CWK
Mercury	4.51		ug/L	0.100	0.100	1	04/01/21	04/02/21 14:32	CWK
Nickel	31.6		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Potassium	4760		ug/L	100	100	1	04/01/21	04/02/21 14:32	CWK
Selenium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Silver	1.34		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Sodium	96800		ug/L	100	100	1	04/01/21	04/02/21 14:32	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Vanadium	ND		ug/L	1.00	1.00	1	04/01/21	04/02/21 14:32	CWK
Zinc	41.1		ug/L	4.00	4.00	1	04/01/21	04/02/21 14:32	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

DUP-0B50

1033104-06 (Nonpotable Water)
Sample Date: 03/31/21

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	29.4		mg/L	3.0	3.0	1	04/08/21	04/08/21 14:34	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	1970		uS/cm			1	03/31/21	03/31/21 16:28	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	467		mg/L	0.500	0.500	1	03/31/21	04/01/21 01:47	VVD
Nitrate (as N)	0.00		mg/L			1	03/31/21	04/01/21 01:47	VVD
Sulfate	12.2		mg/L	0.3	0.3	1	03/31/21	04/01/21 01:47	VVD
Nitrate	ND		mg/L	0.050	0.050	1	03/31/21	04/01/21 01:47	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	12.2		mg/L	2.3	2.3	1	04/01/21	04/02/21 10:22	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	1080		mg/L	10.0	10.0	1	04/06/21	04/06/21 14:01	CWK
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/05/21	04/05/21 12:57	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	287		mg/L	2.0	2.0	1	04/08/21	04/08/21 16:10	SES

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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1033104-07 (Nonpotable Water)
Sample Date: 03/31/21

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	04/06/21	04/06/21 18:29	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:29	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Benzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:29	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

TRIP BLANK

1033104-07 (Nonpotable Water)
Sample Date: 03/31/21

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	04/06/21	04/06/21 18:29	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:29	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:29	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 18:29	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:29	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 18:29	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 18:29	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		119 %			04/06/21	04/06/21 18:29	
Surrogate: Toluene-d8		75-120		101 %			04/06/21	04/06/21 18:29	
Surrogate: 4-Bromofluorobenzene		75-120		102 %			04/06/21	04/06/21 18:29	

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103569 - Turbidity Prep

Blank (B103569-BLK1)

Prepared & Analyzed: 03/31/21

Turbidity	ND		0.500	NTU						
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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

Blank (B104080-BLK1)

Prepared & Analyzed: 04/06/21

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



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

Blank (B104080-BLK1)

Prepared & Analyzed: 04/06/21

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	57.54			ug/L	50.0		115	70-130		
Surrogate: Toluene-d8	49.67			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	51.07			ug/L	50.0		102	75-120		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

LCS (B104080-BS1)

Prepared & Analyzed: 04/06/21

Acetone	13.7		5.0	ug/L	10.0		137	50-150		
Benzene	4.9		1.0	ug/L	5.00		97	50-150		
Bromochloromethane	4.9		1.0	ug/L	5.00		97	50-150		
Bromodichloromethane	5.1		1.0	ug/L	5.00		102	50-150		
Bromoform	4.2		1.0	ug/L	5.00		84	50-150		
Bromomethane	5.1		1.0	ug/L	5.00		101	50-150		
2-Butanone (MEK)	9.0		5.0	ug/L	10.0		90	50-150		
Carbon disulfide	5.5		1.0	ug/L	5.00		110	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.00		99	50-150		
Chlorobenzene	4.5		1.0	ug/L	5.00		91	50-150		
Chloroethane	5.6		1.0	ug/L	5.00		111	50-150		
Chloroform	4.6		1.0	ug/L	5.00		92	50-150		
Chloromethane	5.1		1.0	ug/L	5.00		102	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		89	50-150		
1,2-Dibromo-3-chloropropane	5.5		1.0	ug/L	5.00		109	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.00		92	50-150		
Dibromomethane	5.1		1.0	ug/L	5.00		101	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		97	50-150		
1,4-Dichlorobenzene	4.7		1.0	ug/L	5.00		93	50-150		
1,1-Dichloroethane	5.2		1.0	ug/L	5.00		103	50-150		
1,2-Dichloroethane	5.2		1.0	ug/L	5.00		105	50-150		
1,1-Dichloroethene	5.0		1.0	ug/L	5.00		101	50-150		
cis-1,2-Dichloroethene	4.8		1.0	ug/L	5.00		96	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.00		100	50-150		
1,2-Dichloropropane	5.2		1.0	ug/L	5.00		104	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		97	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.00		101	50-150		
1,1-Dichloropropene	4.9		1.0	ug/L	5.00		99	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		96	50-150		
Ethylbenzene	4.5		1.0	ug/L	5.00		90	50-150		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

LCS (B104080-BS1)

Prepared & Analyzed: 04/06/21

2-Hexanone	10.6		5.0	ug/L	10.0		106	50-150		
Methyl tert-butyl ether (MTBE)	4.6		1.0	ug/L	5.00		93	50-150		
4-Methyl-2-pentanone	10.7		5.0	ug/L	10.0		107	50-150		
Methylene chloride	6.0		1.0	ug/L	5.00		121	0-200		
Methyl methacrylate	5.2		5.0	ug/L	5.00		104	50-150		
Styrene	4.2		1.0	ug/L	5.00		83	50-150		
1,1,1,2-Tetrachloroethane	4.5		1.0	ug/L	5.00		89	50-150		
1,1,1,2,2-Tetrachloroethane	5.1		1.0	ug/L	5.00		101	50-150		
Tetrachloroethene	4.1		1.0	ug/L	5.00		83	50-150		
Toluene	4.4		1.0	ug/L	5.00		88	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1,2-Trichloroethane	4.6		1.0	ug/L	5.00		92	50-150		
Trichloroethene	4.4		1.0	ug/L	5.00		88	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.00		103	50-150		
1,2,3-Trichloropropane	5.3		1.0	ug/L	5.00		107	50-150		
Vinyl acetate	4.3		1.0	ug/L	5.00		86	50-150		
Vinyl chloride	5.1		1.0	ug/L	5.00		102	50-150		
o-Xylene	4.3		1.0	ug/L	5.00		85	50-150		
m- & p-Xylenes	8.7		1.0	ug/L	10.0		87	50-150		
Surrogate: 1,2-Dichloroethane-d4	56.81			ug/L	50.0		114	70-130		
Surrogate: Toluene-d8	50.40			ug/L	50.0		101	75-120		
Surrogate: 4-Bromofluorobenzene	53.29			ug/L	50.0		107	75-120		

Duplicate (B104080-DUP1)

Source: 1040114-01

Prepared & Analyzed: 04/07/21

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

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

Duplicate (B104080-DUP1)	Source: 1040114-01	Prepared & Analyzed: 04/07/21		
2-Butanone (MEK)	ND	5.0 ug/L	ND	20
Carbon disulfide	ND	1.0 ug/L	ND	20
Carbon tetrachloride	ND	1.0 ug/L	ND	20
Chlorobenzene	ND	1.0 ug/L	ND	20
Chloroethane	ND	1.0 ug/L	ND	20
Chloroform	ND	1.0 ug/L	ND	20
Chloromethane	ND	1.0 ug/L	ND	20
Chloroprene	ND	1.0 ug/L	ND	20
Dibromochloromethane	ND	1.0 ug/L	ND	20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20
Dibromomethane	ND	1.0 ug/L	ND	20
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	20
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

Duplicate (B104080-DUP1)	Source: 1040114-01	Prepared & Analyzed: 04/07/21
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	3.5	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	59.30	50.0 ug/L
Surrogate: Toluene-d8	49.83	50.0 ug/L
Surrogate: 4-Bromofluorobenzene	51.39	50.0 ug/L

Matrix Spike (B104080-MS1)	Source: 1040114-02	Prepared & Analyzed: 04/07/21
Acetone	13.5	5.0 ug/L
Benzene	10.5	1.0 ug/L
Bromochloromethane	9.8	1.0 ug/L
Bromodichloromethane	11.2	1.0 ug/L
Bromoform	8.8	1.0 ug/L
Bromomethane	9.9	1.0 ug/L
2-Butanone (MEK)	10.5	5.0 ug/L
Carbon disulfide	9.9	1.0 ug/L
Carbon tetrachloride	10.1	1.0 ug/L



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

Matrix Spike (B104080-MS1)	Source: 1040114-02			Prepared & Analyzed: 04/07/21						
Chlorobenzene	8.7		1.0	ug/L	10.0	ND	87	60-120		
Chloroethane	11.7		1.0	ug/L	10.0	ND	117	60-120		
Chloroform	10.3		1.0	ug/L	10.0	ND	103	60-120		
Chloromethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
Dibromochloromethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,2-Dibromo-3-chloropropane	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,2-Dibromoethane (EDB)	9.5		1.0	ug/L	10.0	ND	95	60-120		
Dibromomethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
1,2-Dichlorobenzene	8.2		1.0	ug/L	10.0	ND	82	60-120		
1,4-Dichlorobenzene	7.5		1.0	ug/L	10.0	ND	75	60-120		
1,1-Dichloroethane	11.6		1.0	ug/L	10.0	ND	116	60-120		
1,2-Dichloroethane	11.7		1.0	ug/L	10.0	ND	117	60-120		
1,1-Dichloroethene	9.9		1.0	ug/L	10.0	ND	99	60-120		
cis-1,2-Dichloroethene	10.4		1.0	ug/L	10.0	ND	104	60-120		
trans-1,2-Dichloroethene	9.8		1.0	ug/L	10.0	ND	98	60-120		
1,2-Dichloropropane	11.3		1.0	ug/L	10.0	ND	113	60-120		
1,3-Dichloropropane	10.5		1.0	ug/L	10.0	ND	105	60-120		
2,2-Dichloropropane	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,1-Dichloropropene	9.4		1.0	ug/L	10.0	ND	94	60-120		
cis-1,3-Dichloropropene	9.5		1.0	ug/L	10.0	ND	95	60-120		
trans-1,3-Dichloropropene	9.4		1.0	ug/L	10.0	ND	94	60-120		
Ethylbenzene	8.8		1.0	ug/L	10.0	ND	88	60-120		
2-Hexanone	11.0		5.0	ug/L	10.0	ND	110	60-120		
Methyl tert-butyl ether (MTBE)	10.1		1.0	ug/L	10.0	ND	101	60-120		
4-Methyl-2-pentanone	11.1		5.0	ug/L	10.0	ND	111	60-120		
Methylene chloride	11.5		1.0	ug/L	10.0	ND	115	60-120		
Methyl methacrylate	11.6		5.0	ug/L	10.0	ND	116	60-120		
Styrene	8.0		1.0	ug/L	10.0	ND	80	60-120		
1,1,1,2-Tetrachloroethane	9.4		1.0	ug/L	10.0	ND	94	60-120		
1,1,2,2-Tetrachloroethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
Tetrachloroethene	6.6		1.0	ug/L	10.0	ND	66	60-120		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104080 - GCMS-WATER-VOLATILES

Matrix Spike (B104080-MS1)	Source: 1040114-02	Prepared & Analyzed: 04/07/21
Toluene	9.2	1.0 ug/L 10.0 ND 92 60-120
1,1,1-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120
1,1,2-Trichloroethane	10.0	1.0 ug/L 10.0 ND 100 60-120
Trichloroethene	8.8	1.0 ug/L 10.0 ND 88 60-120
Trichlorofluoromethane (Freon 11)	9.2	1.0 ug/L 10.0 ND 92 60-120
1,2,3-Trichloropropane	10.3	1.0 ug/L 10.0 ND 103 60-120
Vinyl acetate	9.5	1.0 ug/L 10.0 ND 95 60-120
Vinyl chloride	10.5	1.0 ug/L 10.0 ND 105 60-120
o-Xylene	8.6	1.0 ug/L 10.0 ND 86 60-120
m- & p-Xylenes	16.2	1.0 ug/L 20.0 ND 81 60-120
Surrogate: 1,2-Dichloroethane-d4	57.06	ug/L 50.0 114 70-130
Surrogate: Toluene-d8	49.97	ug/L 50.0 100 75-120
Surrogate: 4-Bromofluorobenzene	53.86	ug/L 50.0 108 75-120



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104085 - 504.1 EDB/DBCP										
Blank (B104085-BLK1)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK2)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK3)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK4)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK5)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B104085-BS1)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	0.081		0.050	ug/L	0.100		81	50-150		
1,2-Dibromoethane (EDB)	0.113		0.020	ug/L	0.100		113	50-150		
LCS (B104085-BS2)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.080		0.050	ug/L	0.100		80	50-150		
1,2-Dibromoethane (EDB)	0.116		0.020	ug/L	0.100		116	50-150		
LCS (B104085-BS3)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.087		0.050	ug/L	0.100		87	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104085 - 504.1 EDB/DBCP										
LCS (B104085-BS4)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.093		0.050	ug/L	0.100		93	50-150		
1,2-Dibromoethane (EDB)	0.112		0.020	ug/L	0.100		112	50-150		
LCS (B104085-BS5)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.092		0.050	ug/L	0.100		92	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		
Matrix Spike (B104085-MS1)			Source: 1033104-01		Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	0.171		0.047	ug/L	0.189	ND	90	50-150		
1,2-Dibromoethane (EDB)	0.207		0.019	ug/L	0.189	ND	110	50-150		
Matrix Spike (B104085-MS2)			Source: 1040105-08		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.158		0.047	ug/L	0.188	ND	84	50-150		
1,2-Dibromoethane (EDB)	0.186		0.019	ug/L	0.188	ND	99	50-150		
Matrix Spike (B104085-MS3)			Source: 1040114-01		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.156		0.049	ug/L	0.194	ND	80	50-150		
1,2-Dibromoethane (EDB)	0.191		0.019	ug/L	0.194	ND	98	50-150		
Matrix Spike (B104085-MS4)			Source: 1040201-11		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.149		0.047	ug/L	0.188	ND	79	50-150		
1,2-Dibromoethane (EDB)	0.176		0.019	ug/L	0.188	ND	94	50-150		
Matrix Spike (B104085-MS5)			Source: 1040201-15		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.179		0.048	ug/L	0.191	ND	94	50-150		
1,2-Dibromoethane (EDB)	0.232		0.019	ug/L	0.191	ND	121	50-150		
Reference (B104085-SRM1)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.0200		120	0-200		



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104085 - 504.1 EDB/DBCP

Reference (B104085-SRM2)

Prepared: 04/06/21 Analyzed: 04/08/21

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.0200		120	0-200		



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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104012 - 3010A-Metals Digestion

Blank (B104012-BLK1)

Prepared: 04/01/21 Analyzed: 04/02/21

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	12.9	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 (B104012-BS1)

Prepared: 04/01/21 Analyzed: 04/02/21

Antimony	46.2		1.00	ug/L	50.0		92	80-120		
Arsenic	48.3		1.00	ug/L	50.0		97	80-120		
Barium	48.9		1.00	ug/L	50.0		98	80-120		
Beryllium	47.7		1.00	ug/L	50.0		95	80-120		
Cadmium	47.6		1.00	ug/L	50.0		95	80-120		
Calcium	4980		80.0	ug/L	5000		100	80-120		
Chromium	48.9		1.00	ug/L	50.0		98	80-120		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104012 - 3010A-Metals Digestion

LCS (B104012-BS1)

Prepared: 04/01/21 Analyzed: 04/02/21

Cobalt	49.6		1.00	ug/L	50.0		99	80-120		
Copper	51.7		1.00	ug/L	50.0		103	80-120		
Iron	5080		100	ug/L	5000		102	80-120		
Lead	47.7		1.00	ug/L	50.0		95	80-120		
Magnesium	4980		100	ug/L	5000		100	80-120		
Manganese	49.8		1.00	ug/L	50.0		100	80-120		
Mercury	2.38		0.100	ug/L	2.50		95	80-120		
Nickel	50.7		1.00	ug/L	50.0		101	80-120		
Potassium	4990		100	ug/L	5000		100	80-120		
Selenium	47.2		1.00	ug/L	50.0		94	80-120		
Silver	50.5		1.00	ug/L	50.0		101	80-120		
Sodium	4970		100	ug/L	5000		99	80-120		
Thallium	48.6		1.00	ug/L	50.0		97	80-120		
Vanadium	47.2		1.00	ug/L	50.0		94	80-120		
Zinc	102		4.00	ug/L	100		102	80-120		

Duplicate (B104012-DUP1)

Source: 1033103-02

Prepared: 04/01/21 Analyzed: 04/02/21

Hardness as CaCO3	16800		500	ug/L		17300			3	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	40.3		1.00	ug/L		41.9			4	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	2640		80.0	ug/L		2680			2	200
Chromium	1.38		1.00	ug/L		1.31			5	200
Cobalt	1.26		1.00	ug/L		1.29			2	200
Copper	1.42		1.00	ug/L		1.50			6	200
Iron	1370		100	ug/L		1410			2	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	2480		100	ug/L		2580			4	200
Manganese	35.9		1.00	ug/L		36.2			0.9	200
Mercury	ND		0.100	ug/L		ND				200

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104012 - 3010A-Metals Digestion

Duplicate (B104012-DUP1)		Source: 1033103-02		Prepared: 04/01/21		Analyzed: 04/02/21	
Nickel	1.34	1.00	ug/L	ND			200
Potassium	592	100	ug/L	575		3	200
Selenium	ND	1.00	ug/L	ND			200
Silver	ND	1.00	ug/L	ND			200
Sodium	13500	100	ug/L	14300		6	200
Thallium	ND	1.00	ug/L	ND			200
Vanadium	1.22	1.00	ug/L	1.95		46	200
Zinc	16.4	4.00	ug/L	16.6		1	200

Matrix Spike (B104012-MS1)		Source: 1033103-02		Prepared: 04/01/21		Analyzed: 04/02/21	
Antimony	46.9	1.00	ug/L	50.0	ND	94	60-140
Arsenic	48.0	1.00	ug/L	50.0	ND	96	60-140
Barium	89.8	1.00	ug/L	50.0	41.9	96	60-140
Beryllium	47.9	1.00	ug/L	50.0	ND	96	60-140
Cadmium	48.4	1.00	ug/L	50.0	ND	97	60-140
Calcium	7530	80.0	ug/L	5000	2680	97	60-140
Chromium	49.5	1.00	ug/L	50.0	1.31	96	60-140
Cobalt	49.8	1.00	ug/L	50.0	1.29	97	60-140
Copper	51.9	1.00	ug/L	50.0	1.50	101	60-140
Iron	6380	100	ug/L	5000	1410	99	60-140
Lead	48.3	1.00	ug/L	50.0	ND	97	60-140
Magnesium	7500	100	ug/L	5000	2580	98	60-140
Manganese	85.2	1.00	ug/L	50.0	36.2	98	60-140
Mercury	2.46	0.100	ug/L	2.50	ND	98	60-140
Nickel	50.4	1.00	ug/L	50.0	ND	101	60-140
Potassium	5470	100	ug/L	5000	575	98	60-140
Selenium	48.4	1.00	ug/L	50.0	ND	97	60-140
Silver	50.5	1.00	ug/L	50.0	ND	101	60-140
Sodium	18200	100	ug/L	5000	14300	77	60-140
Thallium	48.9	1.00	ug/L	50.0	ND	98	60-140
Vanadium	48.5	1.00	ug/L	50.0	1.95	93	60-140
Zinc	113	4.00	ug/L	100	16.6	97	60-140

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104138 - COD (03) Prep										
Blank (B104138-BLK1)					Prepared & Analyzed: 04/08/21					
COD	ND		3.0	mg/L						
LCS (B104138-BS1)					Prepared & Analyzed: 04/08/21					
COD	48.9		3.0	mg/L	50.0		98	90-110		
Duplicate (B104138-DUP1)					Source: 1033104-01		Prepared & Analyzed: 04/08/21			
COD	23.9		3.0	mg/L		20.6			15	20
Matrix Spike (B104138-MS1)					Source: 1033104-01		Prepared & Analyzed: 04/08/21			
COD	72.6		3.0	mg/L	50.0	20.6	104	90-110		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Conductivity by SM2510 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103564 - Conductivity

Duplicate (B103564-DUP1)		Source: 1033103-02		Prepared & Analyzed: 03/31/21					
Conductivity	111			uS/cm	113			2	200
Duplicate (B103564-DUP2)		Source: 1033104-01		Prepared & Analyzed: 03/31/21					
Conductivity	1190			uS/cm	1200			1	200



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B103563 - 300.0 Anions Prep

Blank (B103563-BLK1)

Prepared & Analyzed: 03/31/21

Sulfate	ND		0.3	mg/L						
Chloride	ND		0.500	mg/L						
Nitrate (as N)	0.00			mg/L						
Nitrate	ND		0.050	mg/L						

LCS (B103563-BS1)

Prepared & Analyzed: 03/31/21

Chloride	3.82		0.500	mg/L	4.00		95	80-120		
Nitrate (as N)	0.823			mg/L				80-120		
Sulfate	3.9		0.3	mg/L	4.00		96	80-120		
Nitrate	3.74		0.050	mg/L	4.00		94	80-120		

Duplicate (B103563-DUP1)

Source: 1033103-02

Prepared & Analyzed: 03/31/21

Chloride	25.7		0.500	mg/L		25.8			0.3	200
Sulfate	6.0		0.3	mg/L		6.0			0.01	200
Nitrate (as N)	0.00			mg/L		0.00				200
Nitrate	ND		0.050	mg/L		ND				200

Matrix Spike (B103563-MS1)

Source: 1033103-02

Prepared & Analyzed: 03/31/21

Sulfate	9.7		0.3	mg/L	4.00	6.0	92	80-120		
Chloride	29.6		0.500	mg/L	4.00	25.8	95	80-120		
Nitrate (as N)	0.834			mg/L		0.00		80-120		
Nitrate	3.79		0.050	mg/L	4.00	ND	95	80-120		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

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 B104015 - TSS PREP										
Blank (B104015-BLK1)					Prepared: 04/01/21 Analyzed: 04/02/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B104015-BS1)					Prepared: 04/01/21 Analyzed: 04/02/21					
Solids, Suspended	65.3		2.5	mg/L	66.3		98	70-130		
Duplicate (B104015-DUP1)			Source: 1033104-02			Prepared: 04/01/21 Analyzed: 04/02/21				
Solids, Suspended	42.4		4.3	mg/L		46.4			9	20



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104068 - TDS Prep										
Blank (B104068-BLK1)					Prepared & Analyzed: 04/06/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B104068-BS1)					Prepared & Analyzed: 04/06/21					
Solids, Dissolved	703		10.0	mg/L	719		98	90-110		
Duplicate (B104068-DUP1)			Source: 1033104-01			Prepared & Analyzed: 04/06/21				
Solids, Dissolved	569		10.0	mg/L		575			1	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1D0018 - No Prep WC										
Blank (B1D0018-BLK1)					Prepared & Analyzed: 04/05/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1D0018-BS1)					Prepared & Analyzed: 04/05/21					
Ammonia Nitrogen	2.04		0.10	mg/L	2.00		102	90-110		
Duplicate (B1D0018-DUP1)					Source: E066534-05		Prepared & Analyzed: 04/05/21			
Ammonia Nitrogen	0.42		0.10	mg/L		0.44			5.71	20
Matrix Spike (B1D0018-MS1)					Source: E066534-05		Prepared & Analyzed: 04/05/21			
Ammonia Nitrogen	2.33		0.10	mg/L	2.00	0.44	94.3	90-110		



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/14/21 13:08

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0064 - No Prep WC

LCS (B1D0064-BS1)

Prepared & Analyzed: 04/08/21

Alkalinity as CaCO3	105		1.0	mg/L				90-110		
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Duplicate (B1D0064-DUP1)

Source: E066535-02

Prepared & Analyzed: 04/08/21

Alkalinity as CaCO3	18.8		1.0	mg/L		19.1			1.58	20
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Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/14/21 13:08

Notes and Definitions

- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-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

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Company Name: EA		Project Manager: Laura Oakes		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill		Project ID: 1556404		No. of Containers 8260LL VOC *804 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. Szamski		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 *804	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-21A	3/31/21	0823	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1033104-01
MW-21B		0903	X			11	X	X	X	X	X	X	X			-02
OB025		0945	X			11	X	X	X	X	X	X	X			-03
OB11		1039	X			11	X	X	X	X	X	X	X			-04
OB11A		1120	X			11	X	X	X	X	X	X	X			-05
Dup-OB50		-	X			11	X	X	X	X	X	X	X			-06
TRIP BLANK		-	X			1									TRIPBLANK	-07
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)		
		3/31/21										12:32				
(Printed)				(Printed)				(Printed)						(Printed)		
Andy Szamski				Lori Foster				Andy Szamski						Lori Foster		
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:				
		12:35						<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: ____°C 8.5 <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate				
(Printed)		3-31-21		Lori Foster												
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														

06537

SUBCONTRACT ORDER
Maryland Spectral Services

1033104

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 04/14/21

Laboratory ID Comments

Sample ID: 1033104-01 MW-21A Water Sampled: 03/31/21 08:23
Alkalinity Nitrogen, Ammonia
Containers Supplied:
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1033104-02 MW-21B Water Sampled: 03/31/21 09:03
Alkalinity Nitrogen, Ammonia
Containers Supplied:
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1033104-03 0B025 Water Sampled: 03/31/21 09:45
Alkalinity Nitrogen, Ammonia
Containers Supplied:
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1033104-04 0B11 Water Sampled: 03/31/21 10:39
Alkalinity Nitrogen, Ammonia
Containers Supplied:
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Released By C. Knell Date _____ Received By [Signature] Date 4/2/21 @ 1:20

Released By _____ Date _____ Received By _____ Date _____

60537

SUBCONTRACT ORDER
Maryland Spectral Services

1033104

Page 54 of 54

Due 4:00 PM 04/14/21

Laboratory ID

Comments

Sample ID: 1033104-05 0B11A Water Sampled: 03/31/21 11:20

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1033104-06 DUP-0B50 Water Sampled: 03/31/21 00:00

Alkalinity Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

C Knell

Jan 9 Kelly 4/2/21 @ 1520

Released By Date Received By Date

Released By Date Received By Date

15 April 2021

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 04/01/21 12:47.

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,



Rabecka Koons
Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9		1040114-01	Nonpotable Water	04/01/21 10:28	04/01/21 12:47
MW-12		1040114-02	Nonpotable Water	04/01/21 11:51	04/01/21 12:47
TRIP BLANK		1040114-03	Nonpotable Water	04/01/21 12:47	04/01/21 12:47



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-9

1040114-01 (Nonpotable Water)
Sample Date: 04/01/21

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	3.64		pH Units			1	04/02/21	04/02/21 09:32	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	62.0		NTU	5.00	1.10	10	04/01/21	04/01/21 14:44	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:01	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:01	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Benzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:01	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-9

1040114-01 (Nonpotable Water)
Sample Date: 04/01/21

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	04/06/21	04/06/21 15:01	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:01	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:01	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 15:01	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:01	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:01	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Tetrachloroethene	3.4		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:01	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	117 %			04/06/21	04/06/21 15:01	
Surrogate: Toluene-d8			75-120	100 %			04/06/21	04/06/21 15:01	
Surrogate: 4-Bromofluorobenzene			75-120	104 %			04/06/21	04/06/21 15:01	

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-9

**1040114-01 (Nonpotable Water)
Sample Date: 04/01/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	04/06/21	04/07/21 23:16	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/07/21 23:16	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	43700		ug/L	500	500	1	04/02/21	04/05/21 12:51	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Arsenic	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Barium	56.1		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Cadmium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Calcium	6800		ug/L	80.0	80.0	1	04/02/21	04/05/21 12:51	CWK
Chromium	14.8		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Cobalt	2.18		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Copper	4.82		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Iron	2130		ug/L	100	5.00	1	04/02/21	04/05/21 12:51	CWK
Lead	1.71		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Magnesium	6490		ug/L	100	100	1	04/02/21	04/05/21 12:51	CWK
Manganese	104		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Mercury	ND		ug/L	0.100	0.100	1	04/02/21	04/05/21 12:51	CWK
Nickel	16.6		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Potassium	1460		ug/L	100	100	1	04/02/21	04/05/21 12:51	CWK
Selenium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Silver	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Sodium	5560		ug/L	100	100	1	04/02/21	04/05/21 12:51	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Vanadium	3.64		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:51	CWK
Zinc	40.8	B, QB-01	ug/L	4.00	4.00	1	04/02/21	04/05/21 12:51	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-9

1040114-01 (Nonpotable Water)
Sample Date: 04/01/21

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	3.9		mg/L	3.0	3.0	1	04/05/21	04/05/21 15:36	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	255		uS/cm			1	04/01/21	04/01/21 17:00	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	28.9		mg/L	0.500	0.500	1	04/01/21	04/02/21 12:32	VVD
Nitrate (as N)	1.62		mg/L			1	04/01/21	04/02/21 12:32	VVD
Sulfate	ND		mg/L	0.3	0.3	1	04/01/21	04/02/21 12:32	VVD
Nitrate	7.35		mg/L	0.050	0.050	1	04/01/21	04/02/21 12:32	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	240		mg/L	20.8	20.8	1	04/02/21	04/02/21 17:59	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	108		mg/L	10.0	10.0	1	04/07/21	04/08/21 12:47	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/05/21	04/05/21 12:38	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	14.0		mg/L	1.0	1.0	1	04/07/21	04/07/21 13:59	FRD



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-12

**1040114-02 (Nonpotable Water)
Sample Date: 04/01/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
pH measurement by EPA 9040C Prepared by pH (Paper or Meter)									
pH	5.67		pH Units			1	04/02/21	04/02/21 09:32	LL
Turbidity by EPA 180.1 Prepared by Turbidity Prep									
Turbidity	14.2		NTU	0.500	0.110	1	04/01/21	04/01/21 14:34	CWK
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:24	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:24	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Benzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:24	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-12

**1040114-02 (Nonpotable Water)
Sample Date: 04/01/21**

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	04/06/21	04/06/21 15:24	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:24	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:24	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 15:24	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:24	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:24	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:24	AS
Surrogate: 1,2-Dichloroethane-d4			70-130	116 %	04/06/21		04/06/21 15:24		
Surrogate: Toluene-d8			75-120	100 %	04/06/21		04/06/21 15:24		
Surrogate: 4-Bromofluorobenzene			75-120	104 %	04/06/21		04/06/21 15:24		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-12

**1040114-02 (Nonpotable Water)
Sample Date: 04/01/21**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	04/06/21	04/08/21 00:32	CMK
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	04/06/21	04/08/21 00:32	CMK
Total Metals Analysis by EPA 6020B Prepared by 3010A-Metals Digestion									
Hardness as CaCO3	57700		ug/L	500	500	1	04/02/21	04/05/21 12:53	CWK
Antimony	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Arsenic	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Barium	120		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Beryllium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Cadmium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Calcium	11500		ug/L	80.0	80.0	1	04/02/21	04/05/21 12:53	CWK
Chromium	8.31		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Cobalt	1.30		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Copper	4.12		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Iron	1360		ug/L	100	5.00	1	04/02/21	04/05/21 12:53	CWK
Lead	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Magnesium	7040		ug/L	100	100	1	04/02/21	04/05/21 12:53	CWK
Manganese	41.8		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Mercury	ND		ug/L	0.100	0.100	1	04/02/21	04/05/21 12:53	CWK
Nickel	7.85		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Potassium	1660		ug/L	100	100	1	04/02/21	04/05/21 12:53	CWK
Selenium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Silver	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Sodium	54200		ug/L	100	100	1	04/02/21	04/05/21 12:53	CWK
Thallium	ND		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Vanadium	2.81		ug/L	1.00	1.00	1	04/02/21	04/05/21 12:53	CWK
Zinc	16.8	B	ug/L	4.00	4.00	1	04/02/21	04/05/21 12:53	CWK



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

MW-12

1040114-02 (Nonpotable Water)
Sample Date: 04/01/21

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	3.6		mg/L	3.0	3.0	1	04/05/21	04/05/21 15:36	CWK
Conductivity by SM2510 Prepared by Conductivity									
Conductivity	457		uS/cm			1	04/01/21	04/01/21 17:00	CWK
Anions by EPA 300.0 Prepared by 300.0 Anions Prep									
Chloride	104		mg/L	0.500	0.500	1	04/01/21	04/02/21 12:50	VVD
Nitrate (as N)	2.32		mg/L			1	04/01/21	04/02/21 12:50	VVD
Sulfate	27.3		mg/L	0.3	0.3	1	04/01/21	04/02/21 12:50	VVD
Nitrate	10.5		mg/L	0.050	0.050	1	04/01/21	04/02/21 12:50	VVD
Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP									
Solids, Suspended	201		mg/L	2.3	2.3	1	04/02/21	04/02/21 17:59	GEM
Total Dissolved Solids by SM 2540C Prepared by TDS Prep									
Solids, Dissolved	265		mg/L	10.0	10.0	1	04/07/21	04/08/21 12:47	GEM
Wet Chemistry Performed at Enviro-Chem									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	04/05/21	04/05/21 12:40	FRD
Alkalinity SM2320B Performed at Enviro-Chem									
Alkalinity as CaCO3	19.1		mg/L	1.0	1.0	1	04/08/21	04/08/21 16:10	SES



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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1040114-03 (Nonpotable Water)
Sample Date: 04/01/21

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	04/06/21	04/06/21 15:47	AS
Acrylonitrile	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:47	AS
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Benzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Bromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Bromodichloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Bromoform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Bromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:47	AS
Carbon disulfide	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Chlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Chloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Chloroform	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Chloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Chloroprene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Dibromochloromethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Dibromomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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1040114-03 (Nonpotable Water)
Sample Date: 04/01/21

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	04/06/21	04/06/21 15:47	AS
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:47	AS
Ethylbenzene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
2-Hexanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:47	AS
Isobutanol	ND		ug/L	100	100	1	04/06/21	04/06/21 15:47	AS
Iodomethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:47	AS
Methylene chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Methyl methacrylate	ND		ug/L	5.0	5.0	1	04/06/21	04/06/21 15:47	AS
Styrene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Tetrachloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Toluene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Trichloroethene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Vinyl acetate	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Vinyl chloride	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
o-Xylene	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	04/06/21	04/06/21 15:47	AS
Surrogate: 1,2-Dichloroethane-d4		70-130		118 %			04/06/21	04/06/21 15:47	
Surrogate: Toluene-d8		75-120		99 %			04/06/21	04/06/21 15:47	
Surrogate: 4-Bromofluorobenzene		75-120		103 %			04/06/21	04/06/21 15:47	

Rabecka Koons

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Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/15/21 12:39

Turbidity by EPA 180.1 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104018 - Turbidity Prep

Blank (B104018-BLK1)

Prepared & Analyzed: 04/01/21

Turbidity	ND		0.500	NTU						
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Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

Blank (B104080-BLK1)

Prepared & Analyzed: 04/06/21

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



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

Blank (B104080-BLK1)

Prepared & Analyzed: 04/06/21

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	57.54			ug/L	50.0		115	70-130		
Surrogate: Toluene-d8	49.67			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	51.07			ug/L	50.0		102	75-120		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

LCS (B104080-BS1)

Prepared & Analyzed: 04/06/21

Acetone	13.7		5.0	ug/L	10.0		137	50-150		
Benzene	4.9		1.0	ug/L	5.00		97	50-150		
Bromochloromethane	4.9		1.0	ug/L	5.00		97	50-150		
Bromodichloromethane	5.1		1.0	ug/L	5.00		102	50-150		
Bromoform	4.2		1.0	ug/L	5.00		84	50-150		
Bromomethane	5.1		1.0	ug/L	5.00		101	50-150		
2-Butanone (MEK)	9.0		5.0	ug/L	10.0		90	50-150		
Carbon disulfide	5.5		1.0	ug/L	5.00		110	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.00		99	50-150		
Chlorobenzene	4.5		1.0	ug/L	5.00		91	50-150		
Chloroethane	5.6		1.0	ug/L	5.00		111	50-150		
Chloroform	4.6		1.0	ug/L	5.00		92	50-150		
Chloromethane	5.1		1.0	ug/L	5.00		102	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		89	50-150		
1,2-Dibromo-3-chloropropane	5.5		1.0	ug/L	5.00		109	50-150		
1,2-Dibromoethane (EDB)	4.6		1.0	ug/L	5.00		92	50-150		
Dibromomethane	5.1		1.0	ug/L	5.00		101	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		97	50-150		
1,4-Dichlorobenzene	4.7		1.0	ug/L	5.00		93	50-150		
1,1-Dichloroethane	5.2		1.0	ug/L	5.00		103	50-150		
1,2-Dichloroethane	5.2		1.0	ug/L	5.00		105	50-150		
1,1-Dichloroethene	5.0		1.0	ug/L	5.00		101	50-150		
cis-1,2-Dichloroethene	4.8		1.0	ug/L	5.00		96	50-150		
trans-1,2-Dichloroethene	5.0		1.0	ug/L	5.00		100	50-150		
1,2-Dichloropropane	5.2		1.0	ug/L	5.00		104	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		97	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.00		101	50-150		
1,1-Dichloropropene	4.9		1.0	ug/L	5.00		99	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		96	50-150		
Ethylbenzene	4.5		1.0	ug/L	5.00		90	50-150		

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

LCS (B104080-BS1)

Prepared & Analyzed: 04/06/21

2-Hexanone	10.6		5.0	ug/L	10.0		106	50-150		
Methyl tert-butyl ether (MTBE)	4.6		1.0	ug/L	5.00		93	50-150		
4-Methyl-2-pentanone	10.7		5.0	ug/L	10.0		107	50-150		
Methylene chloride	6.0		1.0	ug/L	5.00		121	0-200		
Methyl methacrylate	5.2		5.0	ug/L	5.00		104	50-150		
Styrene	4.2		1.0	ug/L	5.00		83	50-150		
1,1,1,2-Tetrachloroethane	4.5		1.0	ug/L	5.00		89	50-150		
1,1,1,2,2-Tetrachloroethane	5.1		1.0	ug/L	5.00		101	50-150		
Tetrachloroethene	4.1		1.0	ug/L	5.00		83	50-150		
Toluene	4.4		1.0	ug/L	5.00		88	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1,2-Trichloroethane	4.6		1.0	ug/L	5.00		92	50-150		
Trichloroethene	4.4		1.0	ug/L	5.00		88	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.00		103	50-150		
1,2,3-Trichloropropane	5.3		1.0	ug/L	5.00		107	50-150		
Vinyl acetate	4.3		1.0	ug/L	5.00		86	50-150		
Vinyl chloride	5.1		1.0	ug/L	5.00		102	50-150		
o-Xylene	4.3		1.0	ug/L	5.00		85	50-150		
m- & p-Xylenes	8.7		1.0	ug/L	10.0		87	50-150		
Surrogate: 1,2-Dichloroethane-d4	56.81			ug/L	50.0		114	70-130		
Surrogate: Toluene-d8	50.40			ug/L	50.0		101	75-120		
Surrogate: 4-Bromofluorobenzene	53.29			ug/L	50.0		107	75-120		

Duplicate (B104080-DUP1)

Source: 1040114-01

Prepared & Analyzed: 04/07/21

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

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

Duplicate (B104080-DUP1)	Source: 1040114-01	Prepared & Analyzed: 04/07/21		
2-Butanone (MEK)	ND	5.0 ug/L	ND	20
Carbon disulfide	ND	1.0 ug/L	ND	20
Carbon tetrachloride	ND	1.0 ug/L	ND	20
Chlorobenzene	ND	1.0 ug/L	ND	20
Chloroethane	ND	1.0 ug/L	ND	20
Chloroform	ND	1.0 ug/L	ND	20
Chloromethane	ND	1.0 ug/L	ND	20
Chloroprene	ND	1.0 ug/L	ND	20
Dibromochloromethane	ND	1.0 ug/L	ND	20
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20
Dibromomethane	ND	1.0 ug/L	ND	20
1,2-Dichlorobenzene	ND	1.0 ug/L	ND	20
1,4-Dichlorobenzene	ND	1.0 ug/L	ND	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20
1,1-Dichloroethane	ND	1.0 ug/L	ND	20
1,2-Dichloroethane	ND	1.0 ug/L	ND	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20
cis-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
trans-1,2-Dichloroethene	ND	1.0 ug/L	ND	20
1,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20
2,2-Dichloropropane	ND	1.0 ug/L	ND	20
1,1-Dichloropropene	ND	1.0 ug/L	ND	20
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20
Ethyl methacrylate	ND	5.0 ug/L	ND	20
Ethylbenzene	ND	1.0 ug/L	ND	20
2-Hexanone	ND	5.0 ug/L	ND	20
Isobutanol	ND	100 ug/L	ND	20
Iodomethane	ND	1.0 ug/L	ND	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

Duplicate (B104080-DUP1)		Source: 1040114-01			Prepared & Analyzed: 04/07/21		
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	3.5		1.0	ug/L	3.4	3	20
Toluene	ND		1.0	ug/L	ND		20
1,1,1-Trichloroethane	ND		1.0	ug/L	ND		20
1,1,2-Trichloroethane	ND		1.0	ug/L	ND		20
Trichloroethene	ND		1.0	ug/L	ND		20
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L	ND		20
1,2,3-Trichloropropane	ND		1.0	ug/L	ND		20
Vinyl acetate	ND		1.0	ug/L	ND		20
Vinyl chloride	ND		1.0	ug/L	ND		20
o-Xylene	ND		1.0	ug/L	ND		20
m- & p-Xylenes	ND		1.0	ug/L	ND		20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>59.30</i>			<i>ug/L</i>	<i>50.0</i>	<i>119</i>	<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>49.83</i>			<i>ug/L</i>	<i>50.0</i>	<i>100</i>	<i>75-120</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.39</i>			<i>ug/L</i>	<i>50.0</i>	<i>103</i>	<i>75-120</i>

Matrix Spike (B104080-MS1)		Source: 1040114-02			Prepared & Analyzed: 04/07/21			
Acetone	13.5		5.0	ug/L	10.0	1.8	117	60-120
Benzene	10.5		1.0	ug/L	10.0	ND	105	60-120
Bromochloromethane	9.8		1.0	ug/L	10.0	ND	98	60-120
Bromodichloromethane	11.2		1.0	ug/L	10.0	ND	112	60-120
Bromoform	8.8		1.0	ug/L	10.0	ND	88	60-120
Bromomethane	9.9		1.0	ug/L	10.0	ND	99	60-120
2-Butanone (MEK)	10.5		5.0	ug/L	10.0	ND	105	60-120
Carbon disulfide	9.9		1.0	ug/L	10.0	ND	99	60-120
Carbon tetrachloride	10.1		1.0	ug/L	10.0	ND	101	60-120

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Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

Matrix Spike (B104080-MS1)	Source: 1040114-02			Prepared & Analyzed: 04/07/21						
Chlorobenzene	8.7		1.0	ug/L	10.0	ND	87	60-120		
Chloroethane	11.7		1.0	ug/L	10.0	ND	117	60-120		
Chloroform	10.3		1.0	ug/L	10.0	ND	103	60-120		
Chloromethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
Dibromochloromethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,2-Dibromo-3-chloropropane	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,2-Dibromoethane (EDB)	9.5		1.0	ug/L	10.0	ND	95	60-120		
Dibromomethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
1,2-Dichlorobenzene	8.2		1.0	ug/L	10.0	ND	82	60-120		
1,4-Dichlorobenzene	7.5		1.0	ug/L	10.0	ND	75	60-120		
1,1-Dichloroethane	11.6		1.0	ug/L	10.0	ND	116	60-120		
1,2-Dichloroethane	11.7		1.0	ug/L	10.0	ND	117	60-120		
1,1-Dichloroethene	9.9		1.0	ug/L	10.0	ND	99	60-120		
cis-1,2-Dichloroethene	10.4		1.0	ug/L	10.0	ND	104	60-120		
trans-1,2-Dichloroethene	9.8		1.0	ug/L	10.0	ND	98	60-120		
1,2-Dichloropropane	11.3		1.0	ug/L	10.0	ND	113	60-120		
1,3-Dichloropropane	10.5		1.0	ug/L	10.0	ND	105	60-120		
2,2-Dichloropropane	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,1-Dichloropropene	9.4		1.0	ug/L	10.0	ND	94	60-120		
cis-1,3-Dichloropropene	9.5		1.0	ug/L	10.0	ND	95	60-120		
trans-1,3-Dichloropropene	9.4		1.0	ug/L	10.0	ND	94	60-120		
Ethylbenzene	8.8		1.0	ug/L	10.0	ND	88	60-120		
2-Hexanone	11.0		5.0	ug/L	10.0	ND	110	60-120		
Methyl tert-butyl ether (MTBE)	10.1		1.0	ug/L	10.0	ND	101	60-120		
4-Methyl-2-pentanone	11.1		5.0	ug/L	10.0	ND	111	60-120		
Methylene chloride	11.5		1.0	ug/L	10.0	ND	115	60-120		
Methyl methacrylate	11.6		5.0	ug/L	10.0	ND	116	60-120		
Styrene	8.0		1.0	ug/L	10.0	ND	80	60-120		
1,1,1,2-Tetrachloroethane	9.4		1.0	ug/L	10.0	ND	94	60-120		
1,1,2,2-Tetrachloroethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
Tetrachloroethene	6.6		1.0	ug/L	10.0	ND	66	60-120		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104080 - GCMS-WATER-VOLATILES

Matrix Spike (B104080-MS1)	Source: 1040114-02	Prepared & Analyzed: 04/07/21
Toluene	9.2	1.0 ug/L 10.0 ND 92 60-120
1,1,1-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120
1,1,2-Trichloroethane	10.0	1.0 ug/L 10.0 ND 100 60-120
Trichloroethene	8.8	1.0 ug/L 10.0 ND 88 60-120
Trichlorofluoromethane (Freon 11)	9.2	1.0 ug/L 10.0 ND 92 60-120
1,2,3-Trichloropropane	10.3	1.0 ug/L 10.0 ND 103 60-120
Vinyl acetate	9.5	1.0 ug/L 10.0 ND 95 60-120
Vinyl chloride	10.5	1.0 ug/L 10.0 ND 105 60-120
o-Xylene	8.6	1.0 ug/L 10.0 ND 86 60-120
m- & p-Xylenes	16.2	1.0 ug/L 20.0 ND 81 60-120
Surrogate: 1,2-Dichloroethane-d4	57.06	ug/L 50.0 114 70-130
Surrogate: Toluene-d8	49.97	ug/L 50.0 100 75-120
Surrogate: 4-Bromofluorobenzene	53.86	ug/L 50.0 108 75-120



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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104085 - 504.1 EDB/DBCP										
Blank (B104085-BLK1)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK2)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK3)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK4)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
Blank (B104085-BLK5)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						
LCS (B104085-BS1)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	0.081		0.050	ug/L	0.100		81	50-150		
1,2-Dibromoethane (EDB)	0.113		0.020	ug/L	0.100		113	50-150		
LCS (B104085-BS2)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.080		0.050	ug/L	0.100		80	50-150		
1,2-Dibromoethane (EDB)	0.116		0.020	ug/L	0.100		116	50-150		
LCS (B104085-BS3)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.087		0.050	ug/L	0.100		87	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104085 - 504.1 EDB/DBCP										
LCS (B104085-BS4)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.093		0.050	ug/L	0.100		93	50-150		
1,2-Dibromoethane (EDB)	0.112		0.020	ug/L	0.100		112	50-150		
LCS (B104085-BS5)					Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.092		0.050	ug/L	0.100		92	50-150		
1,2-Dibromoethane (EDB)	0.107		0.020	ug/L	0.100		107	50-150		
Matrix Spike (B104085-MS1)			Source: 1033104-01		Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	0.171		0.047	ug/L	0.189	ND	90	50-150		
1,2-Dibromoethane (EDB)	0.207		0.019	ug/L	0.189	ND	110	50-150		
Matrix Spike (B104085-MS2)			Source: 1040105-08		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.158		0.047	ug/L	0.188	ND	84	50-150		
1,2-Dibromoethane (EDB)	0.186		0.019	ug/L	0.188	ND	99	50-150		
Matrix Spike (B104085-MS3)			Source: 1040114-01		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.156		0.049	ug/L	0.194	ND	80	50-150		
1,2-Dibromoethane (EDB)	0.191		0.019	ug/L	0.194	ND	98	50-150		
Matrix Spike (B104085-MS4)			Source: 1040201-11		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.149		0.047	ug/L	0.188	ND	79	50-150		
1,2-Dibromoethane (EDB)	0.176		0.019	ug/L	0.188	ND	94	50-150		
Matrix Spike (B104085-MS5)			Source: 1040201-15		Prepared: 04/06/21 Analyzed: 04/08/21					
1,2-Dibromo-3-chloropropane	0.179		0.048	ug/L	0.191	ND	94	50-150		
1,2-Dibromoethane (EDB)	0.232		0.019	ug/L	0.191	ND	121	50-150		
Reference (B104085-SRM1)					Prepared: 04/06/21 Analyzed: 04/07/21					
1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.0200		120	0-200		



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/15/21 12:39

EDB and DBCP by EPA 8011 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104085 - 504.1 EDB/DBCP

Reference (B104085-SRM2)

Prepared: 04/06/21 Analyzed: 04/08/21

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L	0.0200			0-200		
1,2-Dibromoethane (EDB)	0.024		0.020	ug/L	0.0200		120	0-200		



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104031 - 3010A-Metals Digestion

Blank (B104031-BLK1)

Prepared: 04/02/21 Analyzed: 04/05/21

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	11.7	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	4.01	B	4.00	ug/L						

Blank (B104031-BLK2)

Prepared: 04/02/21 Analyzed: 04/05/21

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104031 - 3010A-Metals Digestion

Blank (B104031-BLK2)

Prepared: 04/02/21 Analyzed: 04/05/21

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 (B104031-BS1)

Prepared: 04/02/21 Analyzed: 04/05/21

Antimony	44.1		1.00	ug/L	50.0		88	80-120		
Arsenic	48.1		1.00	ug/L	50.0		96	80-120		
Barium	48.0		1.00	ug/L	50.0		96	80-120		
Beryllium	46.3		1.00	ug/L	50.0		93	80-120		
Cadmium	47.3		1.00	ug/L	50.0		95	80-120		
Calcium	4970		80.0	ug/L	5000		99	80-120		
Chromium	48.2		1.00	ug/L	50.0		96	80-120		
Cobalt	49.5		1.00	ug/L	50.0		99	80-120		
Copper	52.5		1.00	ug/L	50.0		105	80-120		
Iron	5000		100	ug/L	5000		100	80-120		
Lead	46.7		1.00	ug/L	50.0		93	80-120		
Magnesium	4880		100	ug/L	5000		98	80-120		
Manganese	49.6		1.00	ug/L	50.0		99	80-120		
Mercury	2.25		0.100	ug/L	2.50		90	80-120		

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104031 - 3010A-Metals Digestion

LCS (B104031-BS1)

Prepared: 04/02/21 Analyzed: 04/05/21

Nickel	49.6		1.00	ug/L	50.0		99	80-120		
Potassium	4820		100	ug/L	5000		96	80-120		
Selenium	47.6		1.00	ug/L	50.0		95	80-120		
Silver	49.0		1.00	ug/L	50.0		98	80-120		
Sodium	4950		100	ug/L	5000		99	80-120		
Thallium	48.2		1.00	ug/L	50.0		96	80-120		
Vanadium	46.9		1.00	ug/L	50.0		94	80-120		
Zinc	98.5	B	4.00	ug/L	100		99	80-120		

LCS (B104031-BS2)

Prepared: 04/02/21 Analyzed: 04/05/21

Antimony	48.1		1.00	ug/L	50.0		96	80-120		
Arsenic	49.3		1.00	ug/L	50.0		99	80-120		
Barium	49.8		1.00	ug/L	50.0		100	80-120		
Beryllium	48.7		1.00	ug/L	50.0		97	80-120		
Cadmium	49.6		1.00	ug/L	50.0		99	80-120		
Calcium	4980		80.0	ug/L	5000		100	80-120		
Chromium	50.7		1.00	ug/L	50.0		101	80-120		
Cobalt	50.0		1.00	ug/L	50.0		100	80-120		
Copper	54.2		1.00	ug/L	50.0		108	80-120		
Iron	5250		100	ug/L	5000		105	80-120		
Lead	47.5		1.00	ug/L	50.0		95	80-120		
Magnesium	5180		100	ug/L	5000		104	80-120		
Manganese	51.0		1.00	ug/L	50.0		102	80-120		
Mercury	2.49		0.100	ug/L	2.50		99	80-120		
Nickel	50.7		1.00	ug/L	50.0		101	80-120		
Potassium	4910		100	ug/L	5000		98	80-120		
Selenium	47.1		1.00	ug/L	50.0		94	80-120		
Silver	51.9		1.00	ug/L	50.0		104	80-120		
Sodium	5270		100	ug/L	5000		105	80-120		
Thallium	49.4		1.00	ug/L	50.0		99	80-120		
Vanadium	49.1		1.00	ug/L	50.0		98	80-120		
Zinc	102	B	4.00	ug/L	100		102	80-120		

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Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104031 - 3010A-Metals Digestion

Duplicate (B104031-DUP1)		Source: 1040105-01		Prepared: 04/02/21		Analyzed: 04/05/21			
Hardness as CaCO3	13300		500	ug/L		12900		3	200
Antimony	ND		1.00	ug/L		ND			200
Arsenic	ND		1.00	ug/L		ND			200
Barium	22.4		1.00	ug/L		21.7		3	200
Beryllium	ND		1.00	ug/L		1.08			200
Cadmium	ND		1.00	ug/L		ND			200
Calcium	391		80.0	ug/L		420		7	200
Chromium	2.84		1.00	ug/L		2.34		20	200
Cobalt	1.18		1.00	ug/L		1.19		1	200
Copper	4.36		1.00	ug/L		4.20		4	200
Iron	653		100	ug/L		534		20	200
Lead	1.16		1.00	ug/L		1.41		19	200
Magnesium	2990		100	ug/L		2870		4	200
Manganese	5.12		1.00	ug/L		5.07		0.9	200
Mercury	ND		0.100	ug/L		ND			200
Nickel	5.84		1.00	ug/L		6.36		9	200
Potassium	156		100	ug/L		ND			200
Selenium	ND		1.00	ug/L		ND			200
Silver	ND		1.00	ug/L		ND			200
Sodium	13900		100	ug/L		13200		5	200
Thallium	ND		1.00	ug/L		ND			200
Vanadium	3.41		1.00	ug/L		2.31		38	200
Zinc	18.5	B	4.00	ug/L		18.1		2	200

Duplicate (B104031-DUP2)		Source: 1040114-02		Prepared: 04/02/21		Analyzed: 04/05/21			
Hardness as CaCO3	60900		500	ug/L		57700		5	200
Antimony	ND		1.00	ug/L		ND			200
Arsenic	ND		1.00	ug/L		ND			200
Barium	128		1.00	ug/L		120		6	200
Beryllium	ND		1.00	ug/L		ND			200
Cadmium	ND		1.00	ug/L		ND			200
Calcium	12000		80.0	ug/L		11500		4	200



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Total Metals Analysis by EPA 6020B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104031 - 3010A-Metals Digestion

Duplicate (B104031-DUP2)		Source: 1040114-02			Prepared: 04/02/21		Analyzed: 04/05/21	
Chromium	8.72		1.00	ug/L	8.31		5	200
Cobalt	1.26		1.00	ug/L	1.30		3	200
Copper	3.82		1.00	ug/L	4.12		8	200
Iron	1270		100	ug/L	1360		7	200
Lead	ND		1.00	ug/L	ND			200
Magnesium	7510		100	ug/L	7040		6	200
Manganese	42.1		1.00	ug/L	41.8		0.8	200
Mercury	ND		0.100	ug/L	ND			200
Nickel	7.13		1.00	ug/L	7.85		10	200
Potassium	1710		100	ug/L	1660		2	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	58900		100	ug/L	54200		8	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	1.73		1.00	ug/L	2.81		47	200
Zinc	16.1	B	4.00	ug/L	16.8		4	200

Matrix Spike (B104031-MS1)		Source: 1040105-01			Prepared: 04/02/21		Analyzed: 04/05/21	
Antimony	43.6		1.00	ug/L	50.0	ND	87	60-140
Arsenic	48.6		1.00	ug/L	50.0	ND	97	60-140
Barium	70.4		1.00	ug/L	50.0	21.7	97	60-140
Beryllium	49.4		1.00	ug/L	50.0	1.08	97	60-140
Cadmium	47.8		1.00	ug/L	50.0	ND	96	60-140
Calcium	5400		80.0	ug/L	5000	420	100	60-140
Chromium	49.9		1.00	ug/L	50.0	2.34	95	60-140
Cobalt	50.3		1.00	ug/L	50.0	1.19	98	60-140
Copper	54.9		1.00	ug/L	50.0	4.20	101	60-140
Iron	5540		100	ug/L	5000	534	100	60-140
Lead	47.7		1.00	ug/L	50.0	1.41	93	60-140
Magnesium	7840		100	ug/L	5000	2870	99	60-140
Manganese	55.5		1.00	ug/L	50.0	5.07	101	60-140
Mercury	2.35		0.100	ug/L	2.50	ND	94	60-140

Rabecka Koons

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

Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Total Metals Analysis by EPA 6020B - Quality Control

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

Batch B104031 - 3010A-Metals Digestion

Matrix Spike (B104031-MS1)		Source: 1040105-01		Prepared: 04/02/21		Analyzed: 04/05/21		
Nickel	55.9		1.00	ug/L	50.0	6.36	99	60-140
Potassium	4910		100	ug/L	5000	ND	98	60-140
Selenium	48.9		1.00	ug/L	50.0	ND	98	60-140
Silver	48.9		1.00	ug/L	50.0	ND	98	60-140
Sodium	18000		100	ug/L	5000	13200	96	60-140
Thallium	48.4		1.00	ug/L	50.0	ND	97	60-140
Vanadium	49.6		1.00	ug/L	50.0	2.31	95	60-140
Zinc	115	B	4.00	ug/L	100	18.1	96	60-140

Matrix Spike (B104031-MS2)		Source: 1040114-02		Prepared: 04/02/21		Analyzed: 04/05/21		
Antimony	42.4		1.00	ug/L	50.0	ND	85	60-140
Arsenic	46.4		1.00	ug/L	50.0	ND	93	60-140
Barium	174		1.00	ug/L	50.0	120	107	60-140
Beryllium	45.8		1.00	ug/L	50.0	ND	92	60-140
Cadmium	47.3		1.00	ug/L	50.0	ND	95	60-140
Calcium	16500		80.0	ug/L	5000	11500	100	60-140
Chromium	54.3		1.00	ug/L	50.0	8.31	92	60-140
Cobalt	47.5		1.00	ug/L	50.0	1.30	92	60-140
Copper	51.3		1.00	ug/L	50.0	4.12	94	60-140
Iron	5970		100	ug/L	5000	1360	92	60-140
Lead	45.2		1.00	ug/L	50.0	ND	90	60-140
Magnesium	12200		100	ug/L	5000	7040	102	60-140
Manganese	88.7		1.00	ug/L	50.0	41.8	94	60-140
Mercury	2.20		0.100	ug/L	2.50	ND	88	60-140
Nickel	54.0		1.00	ug/L	50.0	7.85	92	60-140
Potassium	6210		100	ug/L	5000	1660	91	60-140
Selenium	45.6		1.00	ug/L	50.0	ND	91	60-140
Silver	48.2		1.00	ug/L	50.0	ND	96	60-140
Sodium	62400	QM-4X	100	ug/L	5000	54200	163	60-140
Thallium	46.9		1.00	ug/L	50.0	ND	94	60-140
Vanadium	47.8		1.00	ug/L	50.0	2.81	90	60-140
Zinc	110	B	4.00	ug/L	100	16.8	93	60-140

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104062 - COD (03) Prep										
Blank (B104062-BLK1)					Prepared & Analyzed: 04/05/21					
COD	ND		3.0	mg/L						
LCS (B104062-BS1)					Prepared & Analyzed: 04/05/21					
COD	49.9		3.0	mg/L	50.0		100	90-110		
Duplicate (B104062-DUP1)					Source: 1033103-02		Prepared & Analyzed: 04/05/21			
COD	13.5		3.0	mg/L		13.2			2	20
Matrix Spike (B104062-MS1)					Source: 1033103-02		Prepared & Analyzed: 04/05/21			
COD	67.4		3.0	mg/L	50.0	13.2	108	90-110		



Rabecka Koons, Quality Assurance Officer

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

Project: GUDE LANDFILL

Project Number: 1556404
 Project Manager: Laura Oakes

Reported:
 04/15/21 12:39

Conductivity by SM2510 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104021 - Conductivity

Duplicate (B104021-DUP1)		Source: 1040105-01		Prepared & Analyzed: 04/01/21						
Conductivity	94.7			uS/cm		93.9			0.9	200
Duplicate (B104021-DUP2)		Source: 1040114-01		Prepared & Analyzed: 04/01/21						
Conductivity	225			uS/cm		255			12	200



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Anions by EPA 300.0 - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B104019 - 300.0 Anions Prep

Blank (B104019-BLK1)

Prepared & Analyzed: 04/01/21

Sulfate	ND		0.3	mg/L						
Nitrate (as N)	0.00			mg/L						
Chloride	ND		0.500	mg/L						
Nitrate	ND		0.050	mg/L						

LCS (B104019-BS1)

Prepared & Analyzed: 04/01/21

Sulfate	3.8		0.3	mg/L	4.00		96	80-120		
Nitrate (as N)	0.826			mg/L				80-120		
Chloride	3.84		0.500	mg/L	4.00		96	80-120		
Nitrate	3.76		0.050	mg/L	4.00		94	80-120		

Duplicate (B104019-DUP1)

Source: 1040105-01

Prepared & Analyzed: 04/01/21

Chloride	10.9		0.500	mg/L		10.9			0.4	200
Nitrate (as N)	0.00			mg/L		0.00				200
Sulfate	21.9		0.3	mg/L		22.0			0.3	200
Nitrate	ND		0.050	mg/L		ND				200

Matrix Spike (B104019-MS1)

Source: 1040105-01

Prepared & Analyzed: 04/01/21

Nitrate (as N)	0.835			mg/L		0.00		80-120		
Sulfate	26.6		0.3	mg/L	4.00	22.0	115	80-120		
Chloride	14.8		0.500	mg/L	4.00	10.9	98	80-120		
Nitrate	3.79		0.050	mg/L	4.00	ND	95	80-120		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

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 B104037 - TSS PREP										
Blank (B104037-BLK1)					Prepared & Analyzed: 04/02/21					
Solids, Suspended	ND		2.5	mg/L						
LCS (B104037-BS1)					Prepared & Analyzed: 04/02/21					
Solids, Suspended	64.3		2.5	mg/L	60.0		107	70-130		
Duplicate (B104037-DUP1)			Source: 1040126-03			Prepared & Analyzed: 04/02/21				
Solids, Suspended	59.0		8.6	mg/L		63.6			8	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Total Dissolved Solids by SM 2540C - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B104094 - TDS Prep										
Blank (B104094-BLK1)					Prepared: 04/07/21 Analyzed: 04/08/21					
Solids, Dissolved	ND		10.0	mg/L						
LCS (B104094-BS1)					Prepared: 04/07/21 Analyzed: 04/08/21					
Solids, Dissolved	728		10.0	mg/L	744		98	90-110		
Duplicate (B104094-DUP1)			Source: 1040105-01		Prepared: 04/07/21 Analyzed: 04/08/21					
Solids, Dissolved	108		10.0	mg/L		119			9	20



Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Wet Chemistry - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B1D0018 - No Prep WC										
Blank (B1D0018-BLK1)					Prepared & Analyzed: 04/05/21					
Ammonia Nitrogen	ND		0.10	mg/L						
LCS (B1D0018-BS1)					Prepared & Analyzed: 04/05/21					
Ammonia Nitrogen	2.04		0.10	mg/L	2.00		102	90-110		
Duplicate (B1D0018-DUP1)					Source: E066534-05		Prepared & Analyzed: 04/05/21			
Ammonia Nitrogen	0.42		0.10	mg/L		0.44			5.71	20
Matrix Spike (B1D0018-MS1)					Source: E066534-05		Prepared & Analyzed: 04/05/21			
Ammonia Nitrogen	2.33		0.10	mg/L	2.00	0.44	94.3	90-110		

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

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Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Alkalinity SM2320B - Quality Control

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B1D0050 - No Prep WC

LCS (B1D0050-BS1)					Prepared & Analyzed: 04/07/21					
Alkalinity as CaCO3	10.0		1.0	mg/L				90-110		

Duplicate (B1D0050-DUP1)					Source: E066533-12 Prepared & Analyzed: 04/07/21					
Alkalinity as CaCO3	35.0		1.0	mg/L		37.0			5.56	20

Batch B1D0064 - No Prep WC

LCS (B1D0064-BS1)					Prepared & Analyzed: 04/08/21					
Alkalinity as CaCO3	105		1.0	mg/L				90-110		

Duplicate (B1D0064-DUP1)					Source: 1040114-02 Prepared & Analyzed: 04/08/21					
Alkalinity as CaCO3	18.8		1.0	mg/L		19.1			1.58	20



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

Rabecka Koons, Quality Assurance Officer

Project: GUDE LANDFILL

Project Number: 1556404
Project Manager: Laura Oakes

Reported:
04/15/21 12:39

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 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.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- B Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- 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



Rabecka Koons, Quality Assurance Officer

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Company Name: EA	Project Manager: Laura Oakes	Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: GUDE Landfill	Project ID: 1556404	8260LL VOC & BOLL 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. Szamski	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 & BOLL	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-9	4/11/21	1028	X			11	X	X	X	X	X	X	X	HCl, H ₂ SO ₄ , HNO ₃		1046114-01
MW-12	↓	1157	X			11	X	X	X	X	X	X	X	↓		-02
TRIP BLANK	↓	—	X			1									TRIPBLANK	-03

Relinquished by: (Signature) 	Date/Time 4/11/21	Received by: (Signature) 	Relinquished by: (Signature) 	Date/Time 12:45	Received by: (Signature)
(Printed) Andy Szamski		(Printed)	(Printed)		(Printed)
Relinquished by: (Signature) 	Date/Time 12:47	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:	
(Printed)	4-1-21	(Printed) Lori Foster	<input type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: _____°C 11.0 <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		

SUBCONTRACT ORDER
Maryland Spectral Services

1040114

66535

Page 40 of 40

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
4-2-21, L E

Due 4:00 PM 04/12/21

Laboratory ID

Comments

Sample ID: 1040114-01

MW-9

Water

Sampled:04/01/21 10:28



Alkalinity

Nitrogen, Ammonia

Containers Supplied:

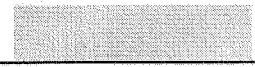
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 1040114-02

MW-12

Water

Sampled:04/01/21 11:51



Alkalinity

Nitrogen, Ammonia

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Chris Krell

4/2/21 15:20

4/2/21 15:20

Released By

Date

Received By

Date

Released By

Date

Received By

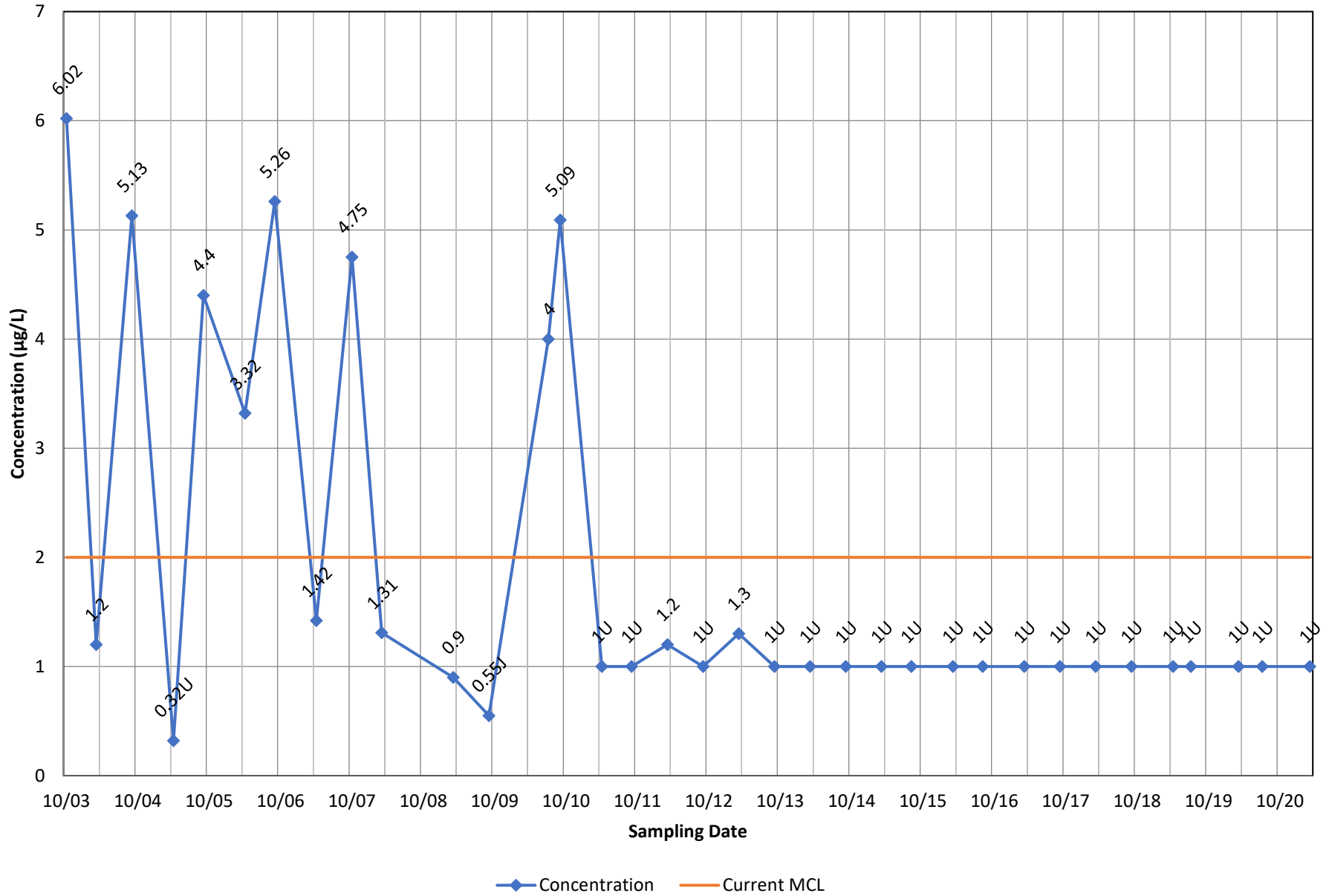
Date

Appendix D

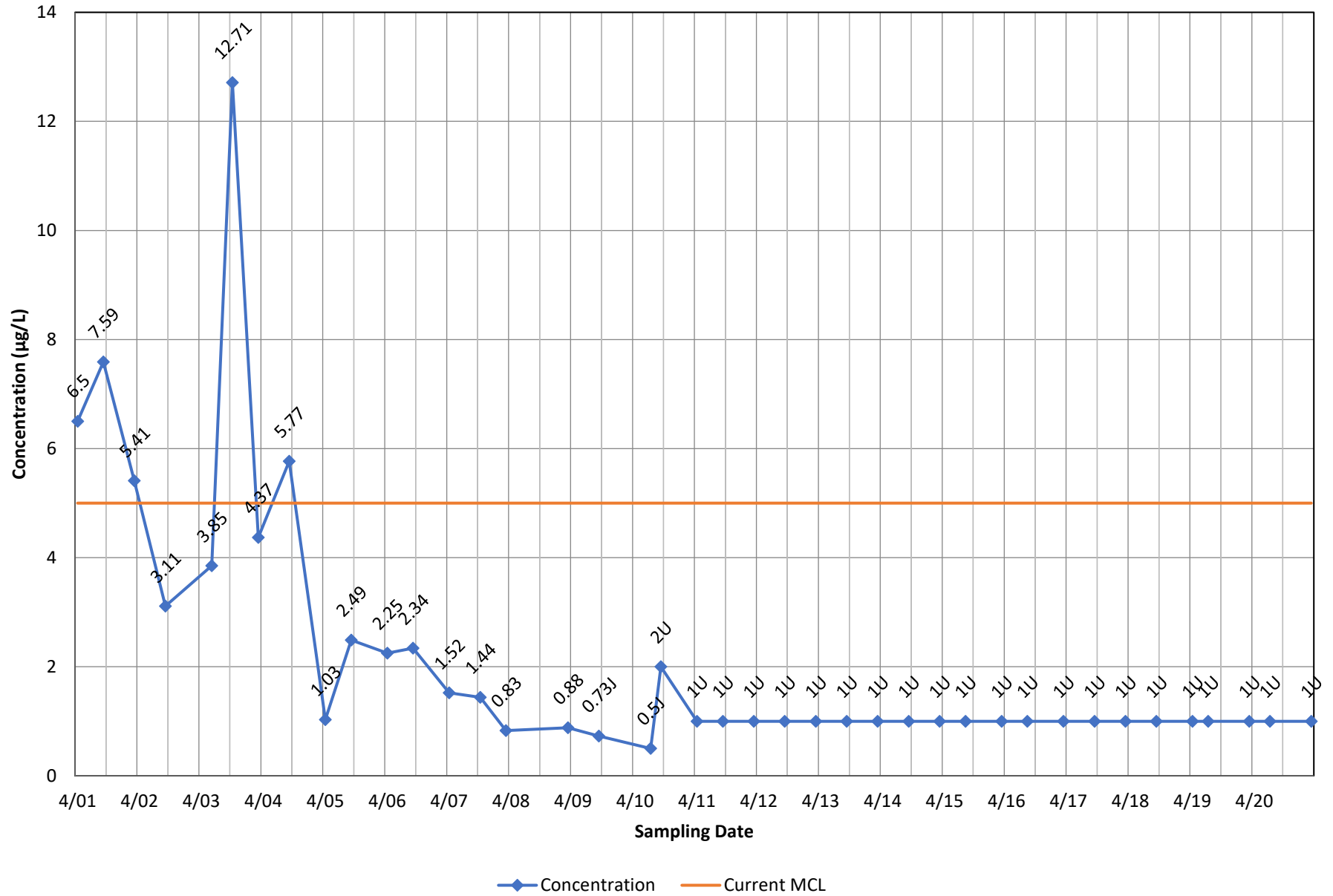
**Maximum Contaminant Level
Exceedance Graphs**

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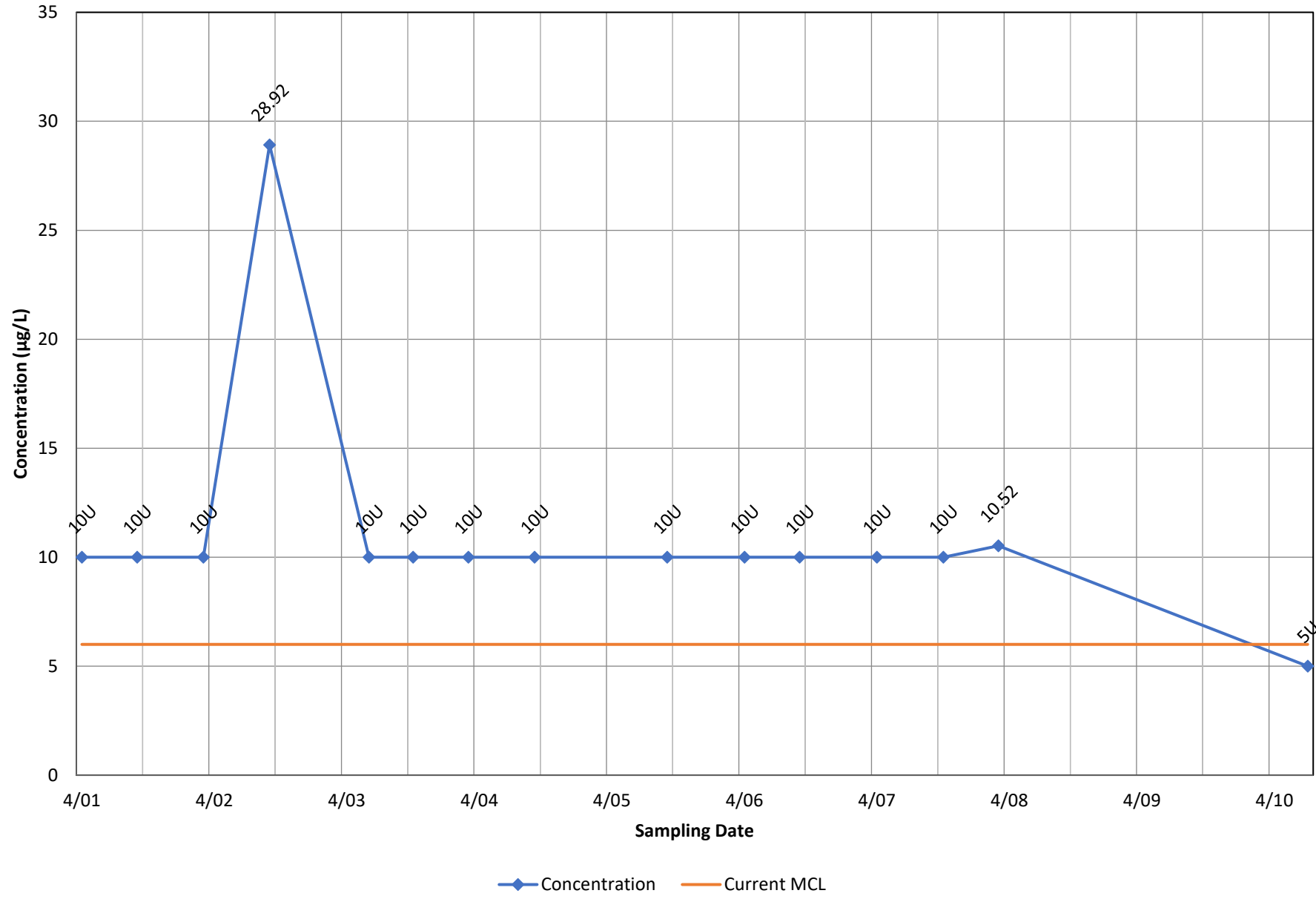
Monitoring Well OB01 - Vinyl Chloride



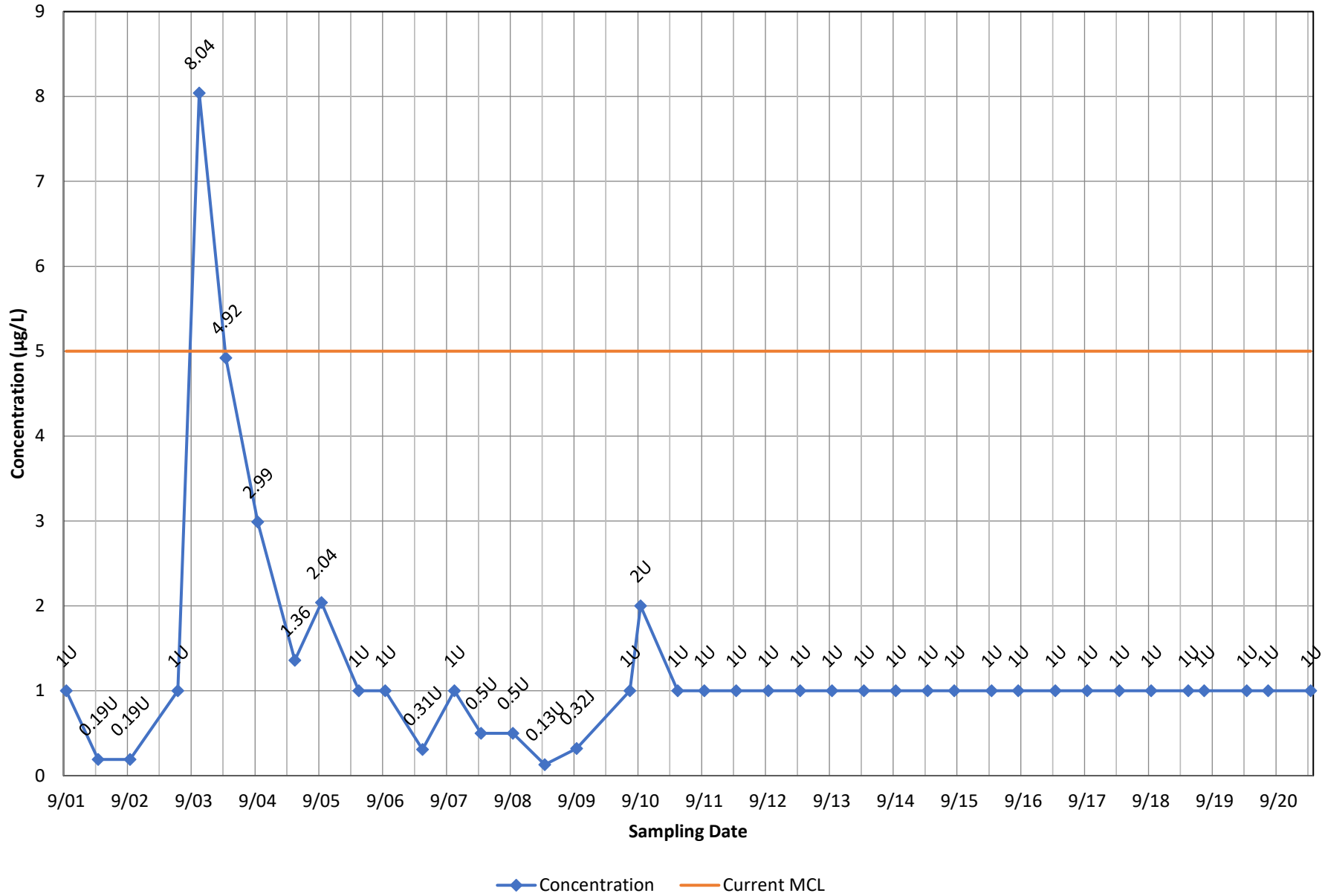
Monitoring Well OB01 - Trichloroethene



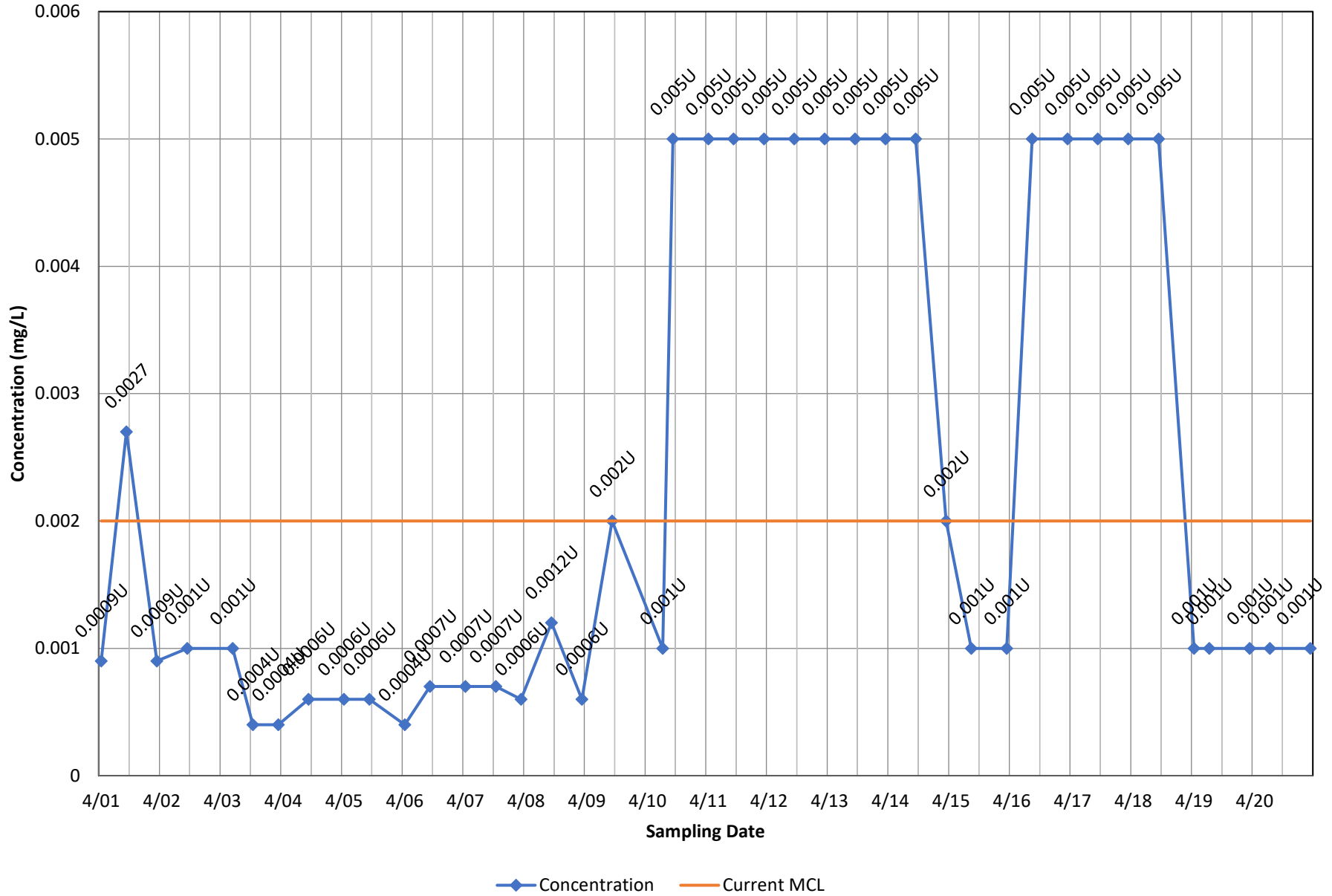
Monitoring Well OB01 - Bis(2-Ethylhexyl) Phthalate



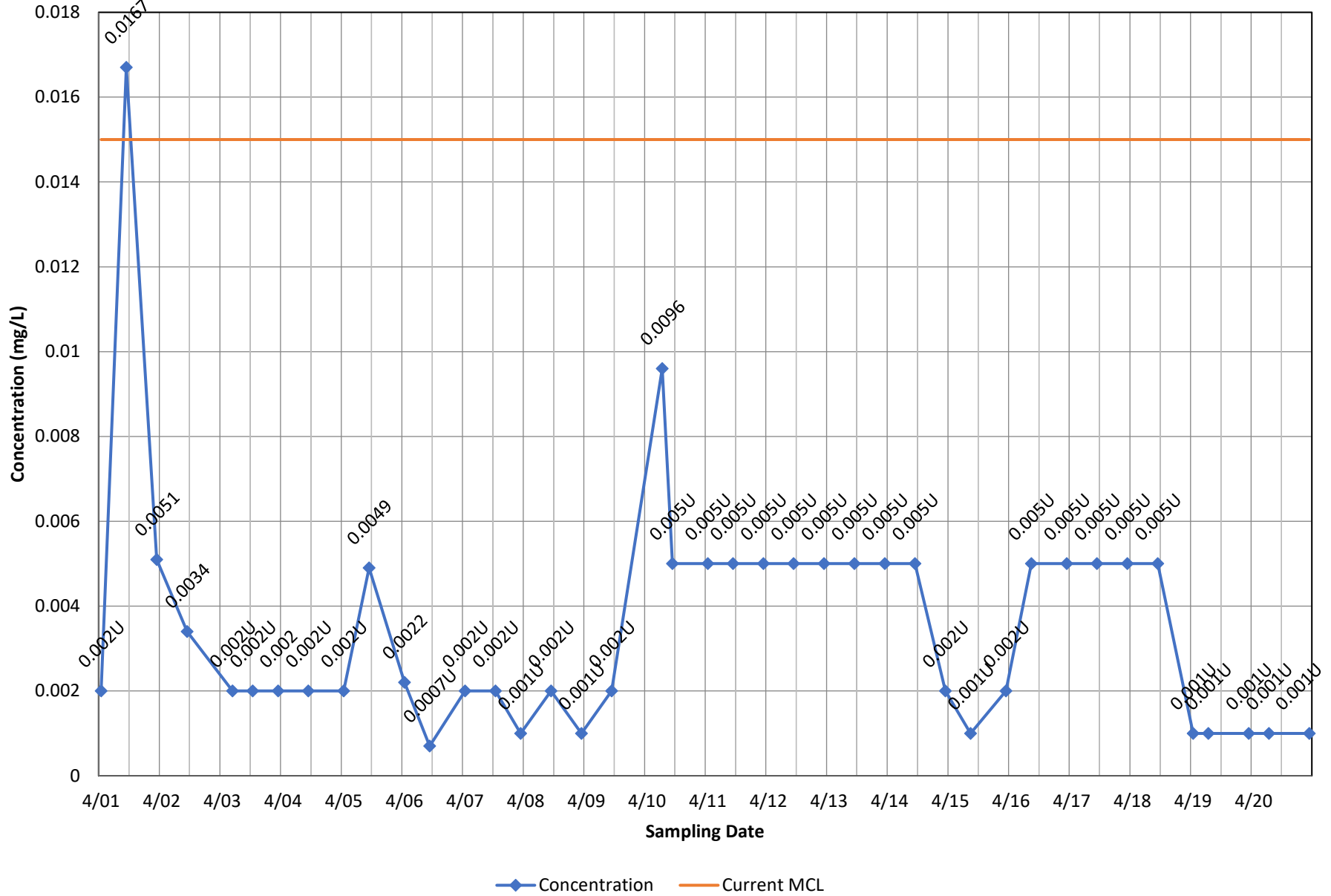
Monitoring Well OB02 - Trichloroethene



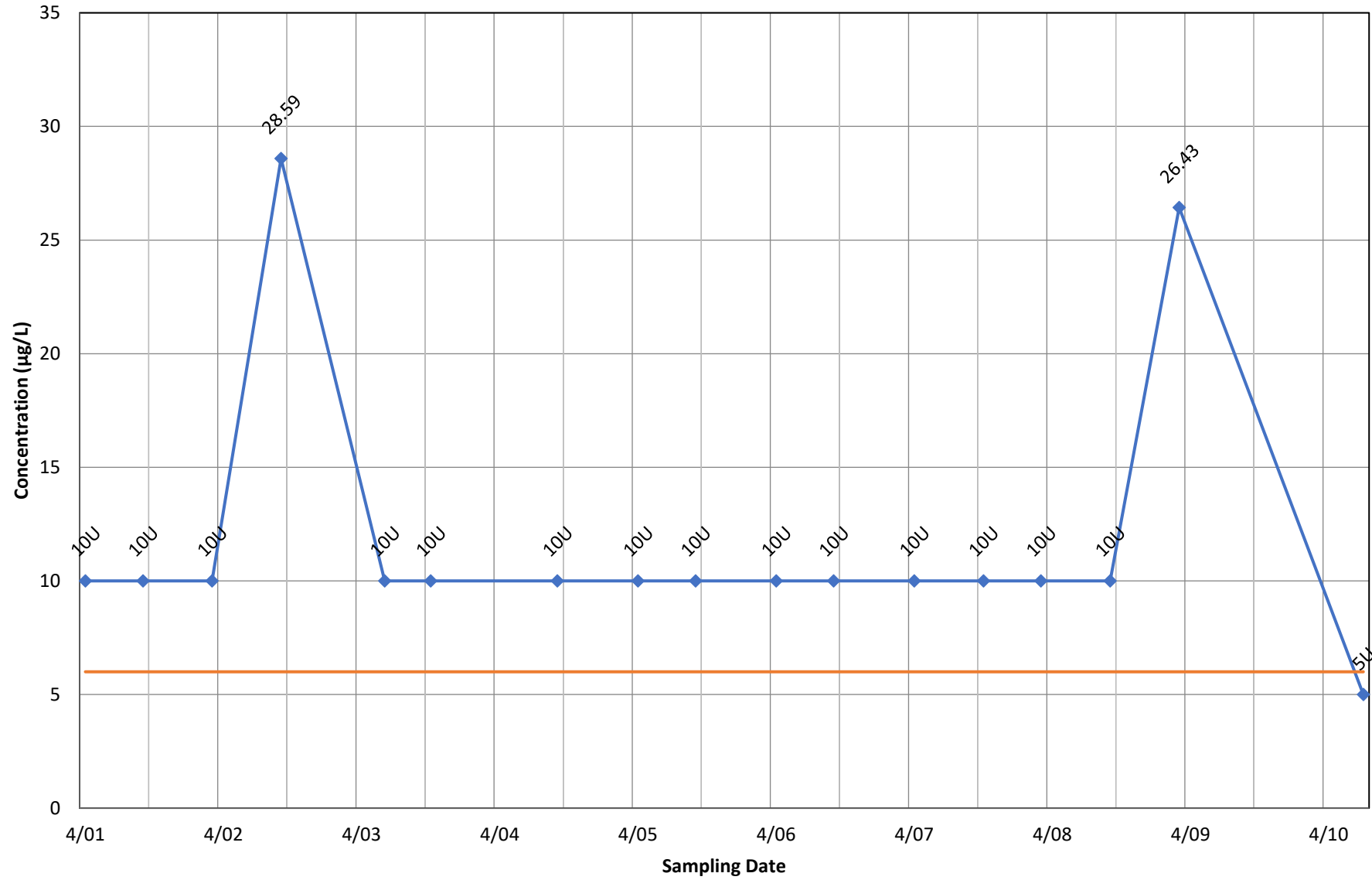
Monitoring Well OB02 - Thallium, total



Monitoring Well OB02 - Lead, total

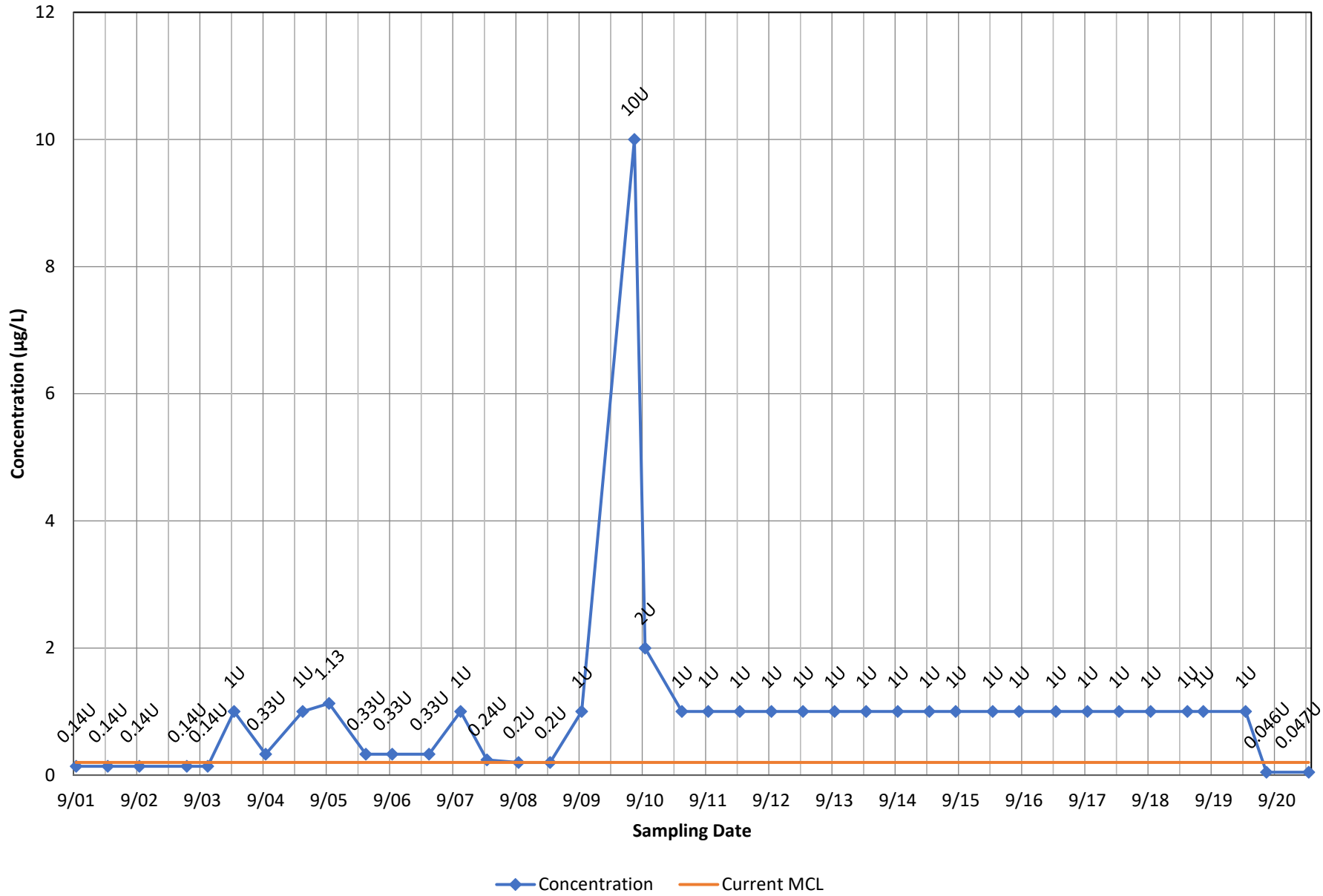


Monitoring Well OB02 - Bis(2-Ethylhexyl) Phthalate

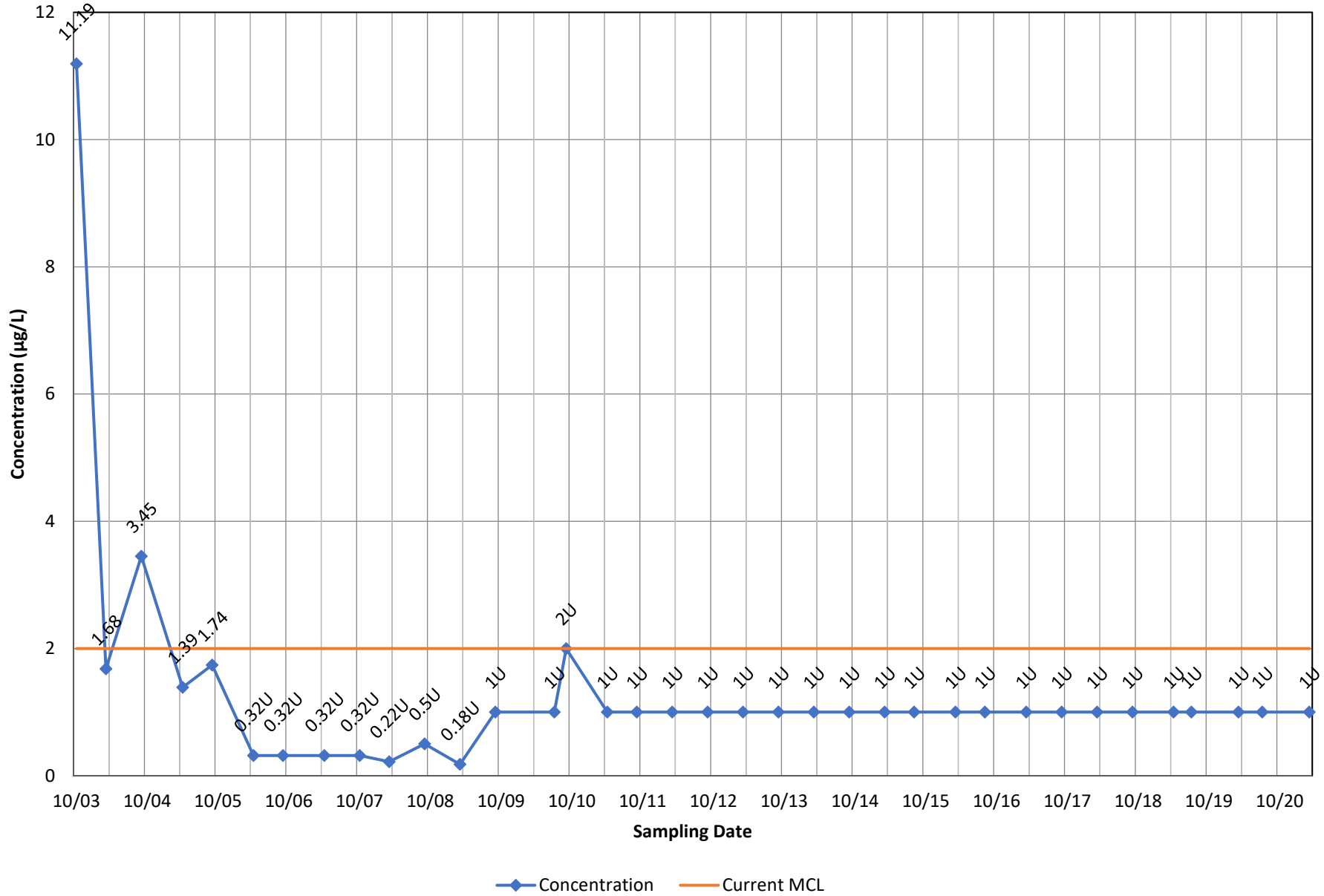


◆ Concentration — Current MCL

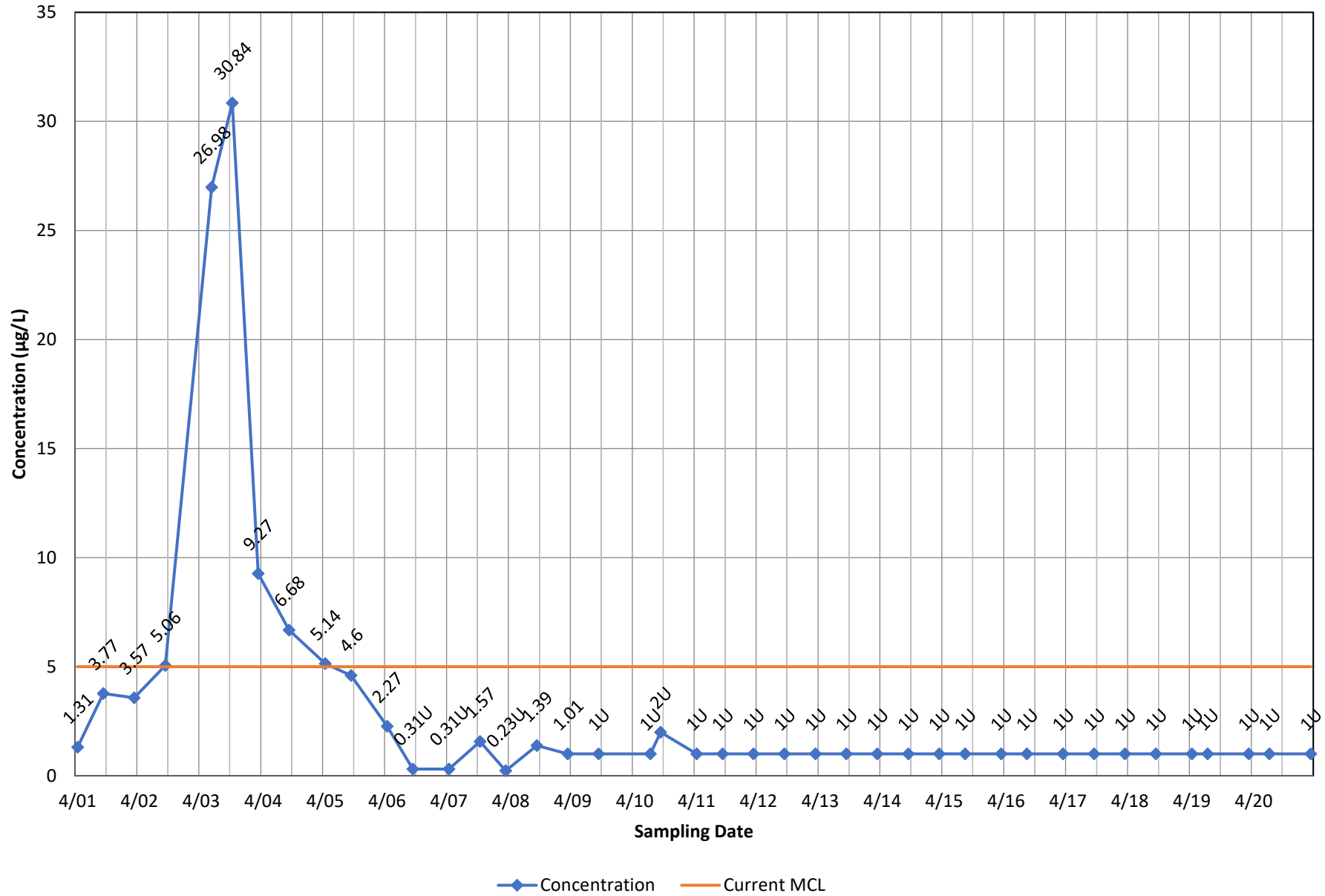
Monitoring Well OB02 - 1,2-Dibromo-3-chloropropane



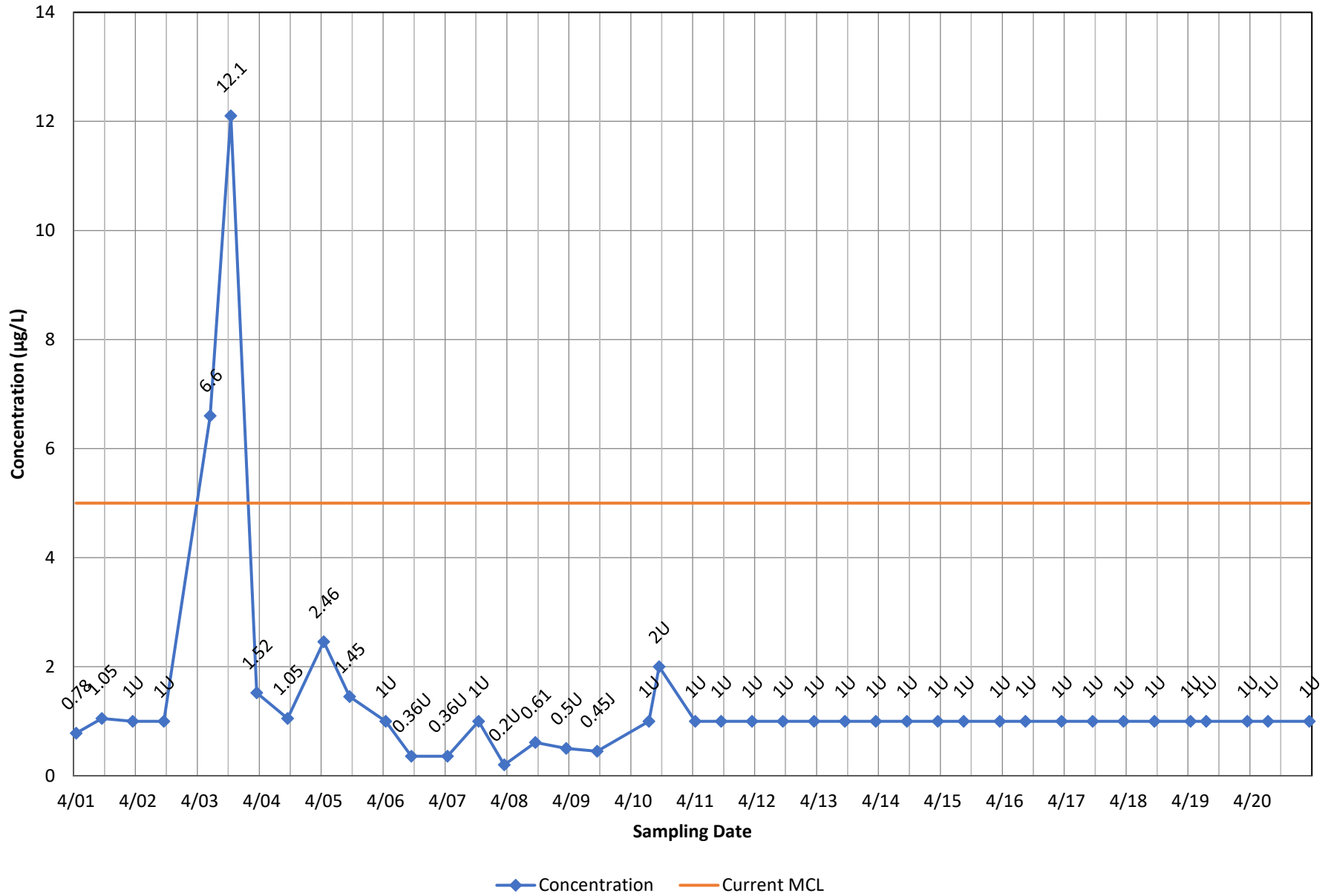
Monitoring Well OB02A - Vinyl Chloride



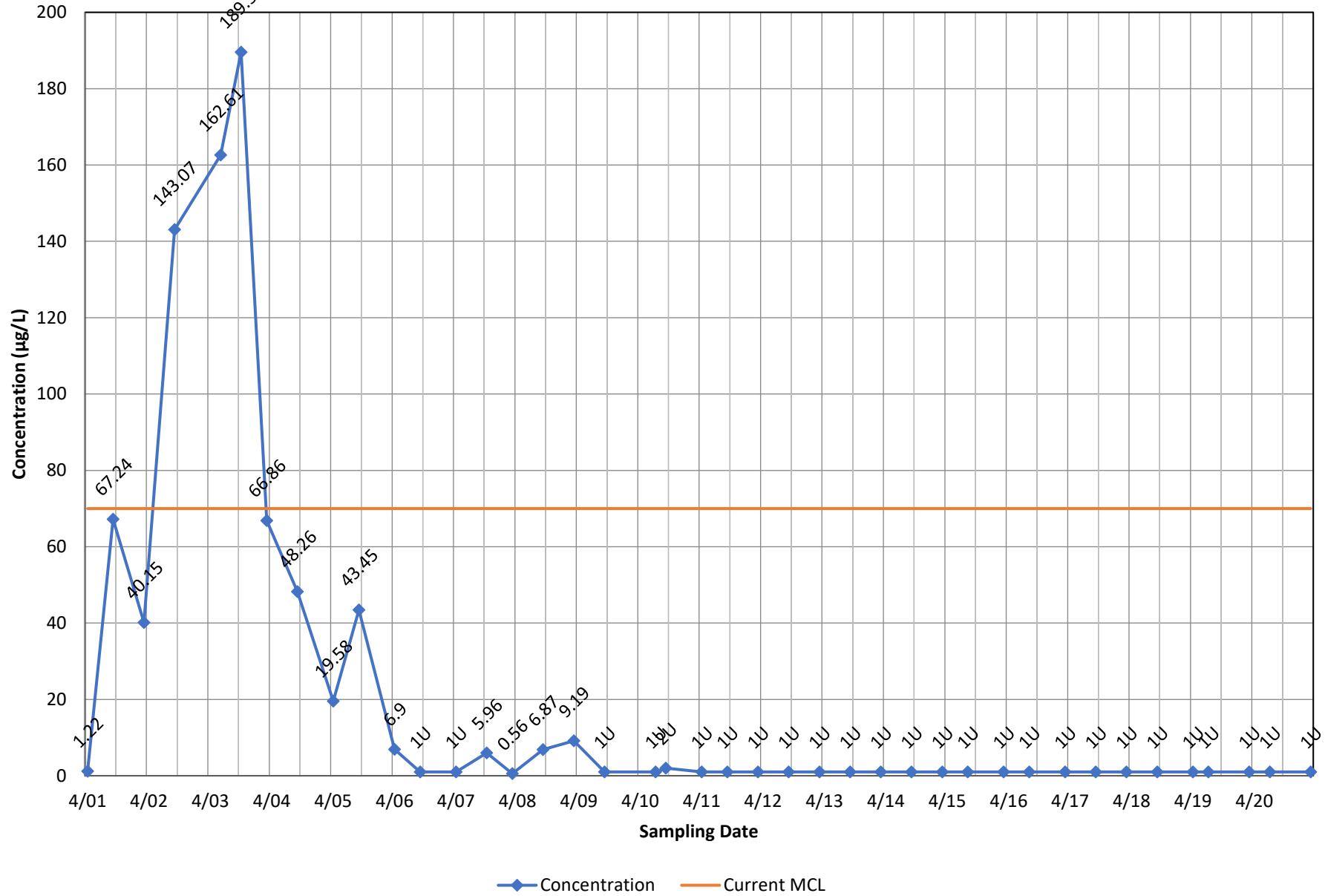
Monitoring Well OB02A - Trichloroethene



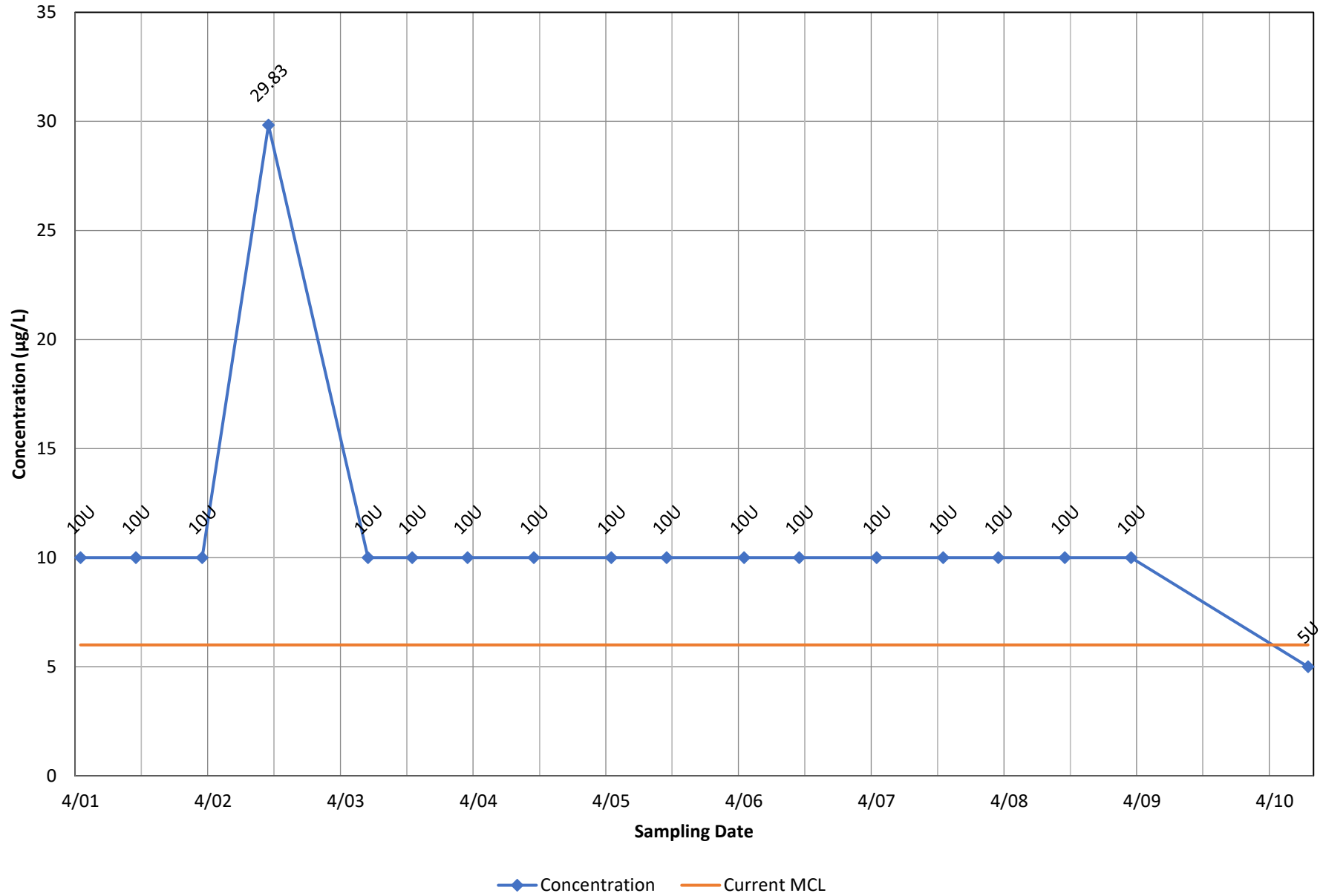
Monitoring Well OB02A - Tetrachloroethene



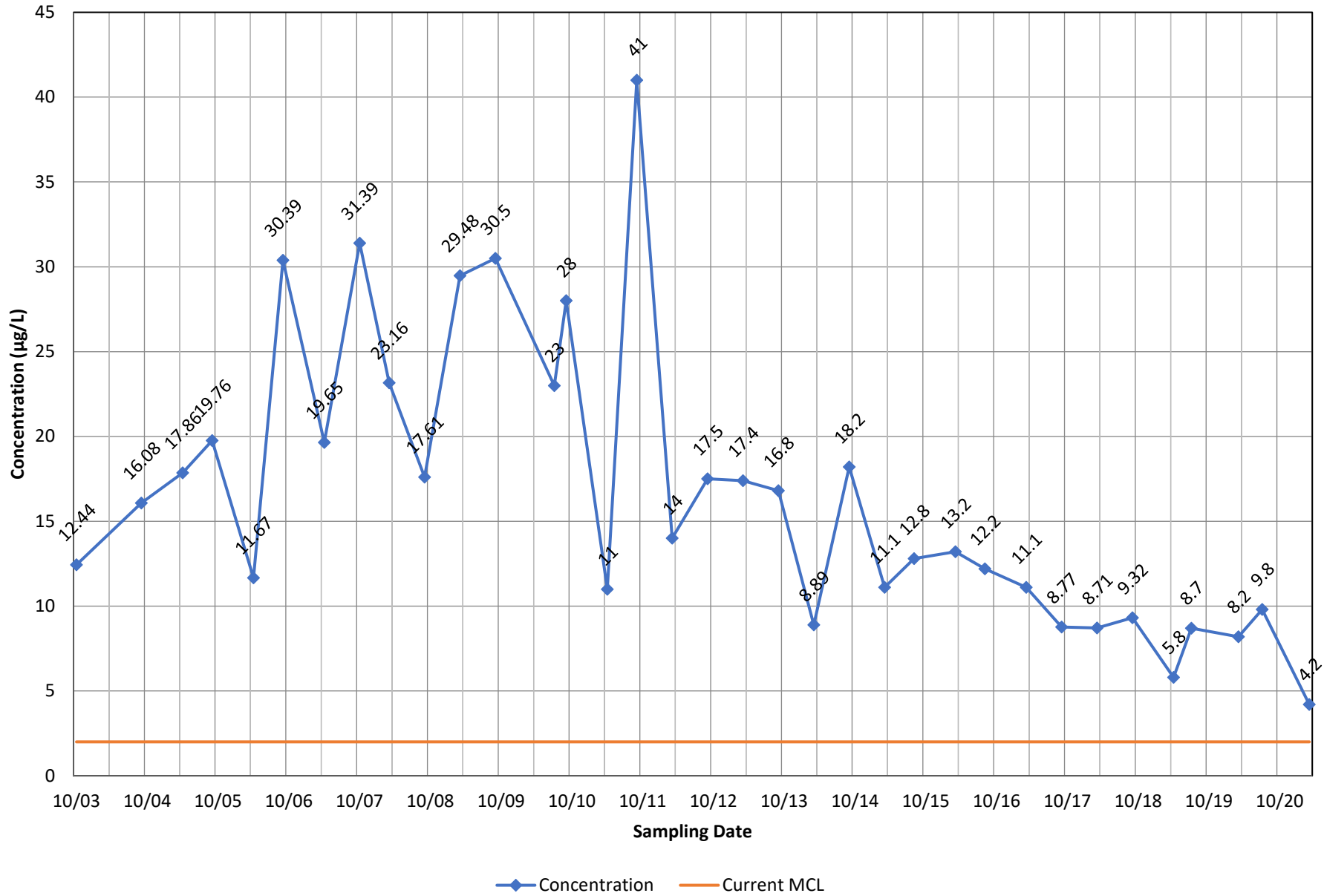
Monitoring Well OB02A - cis-1,2-Dichloroethene



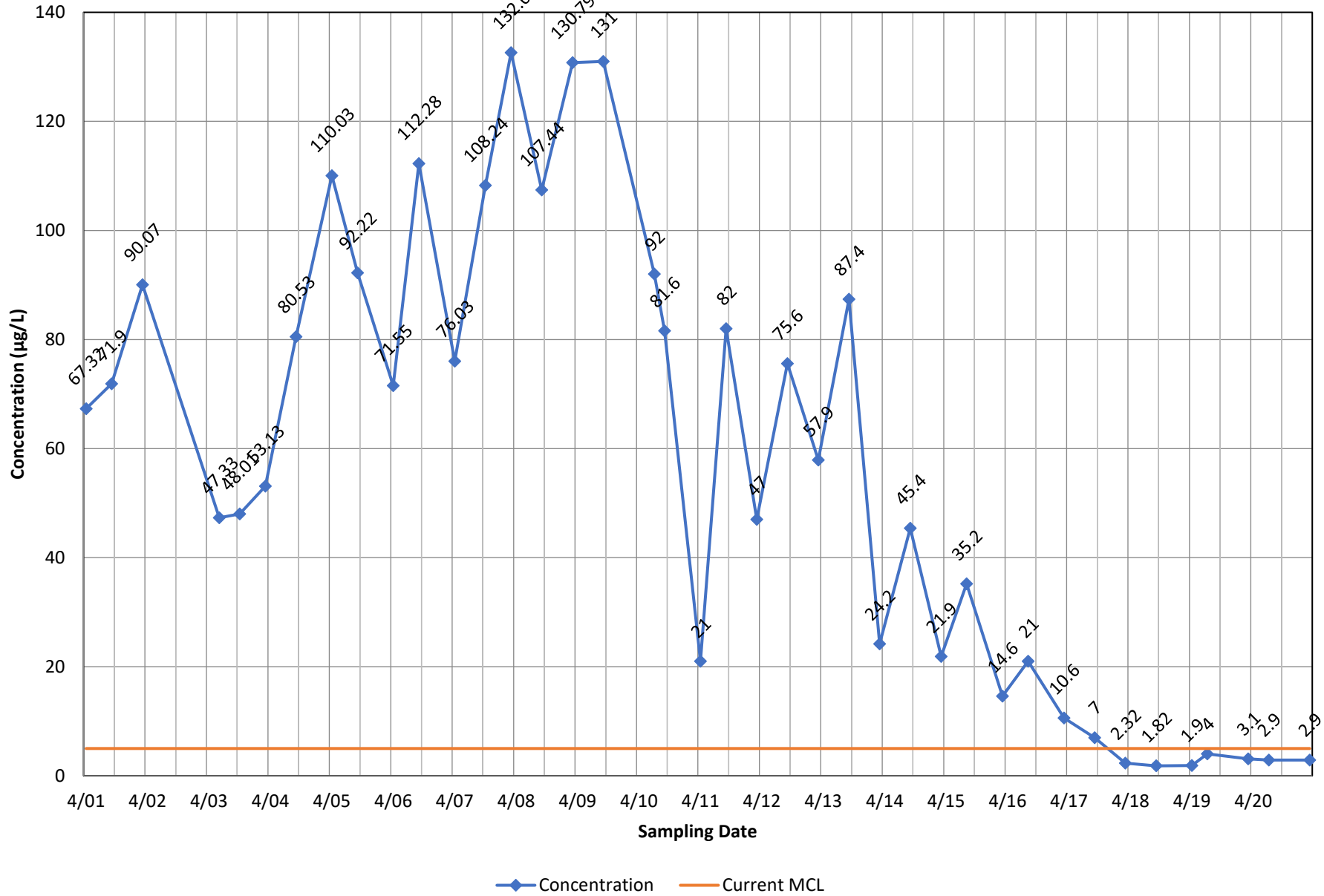
Monitoring Well OB02A - Bis(2-Ethylhexyl) Phthalate



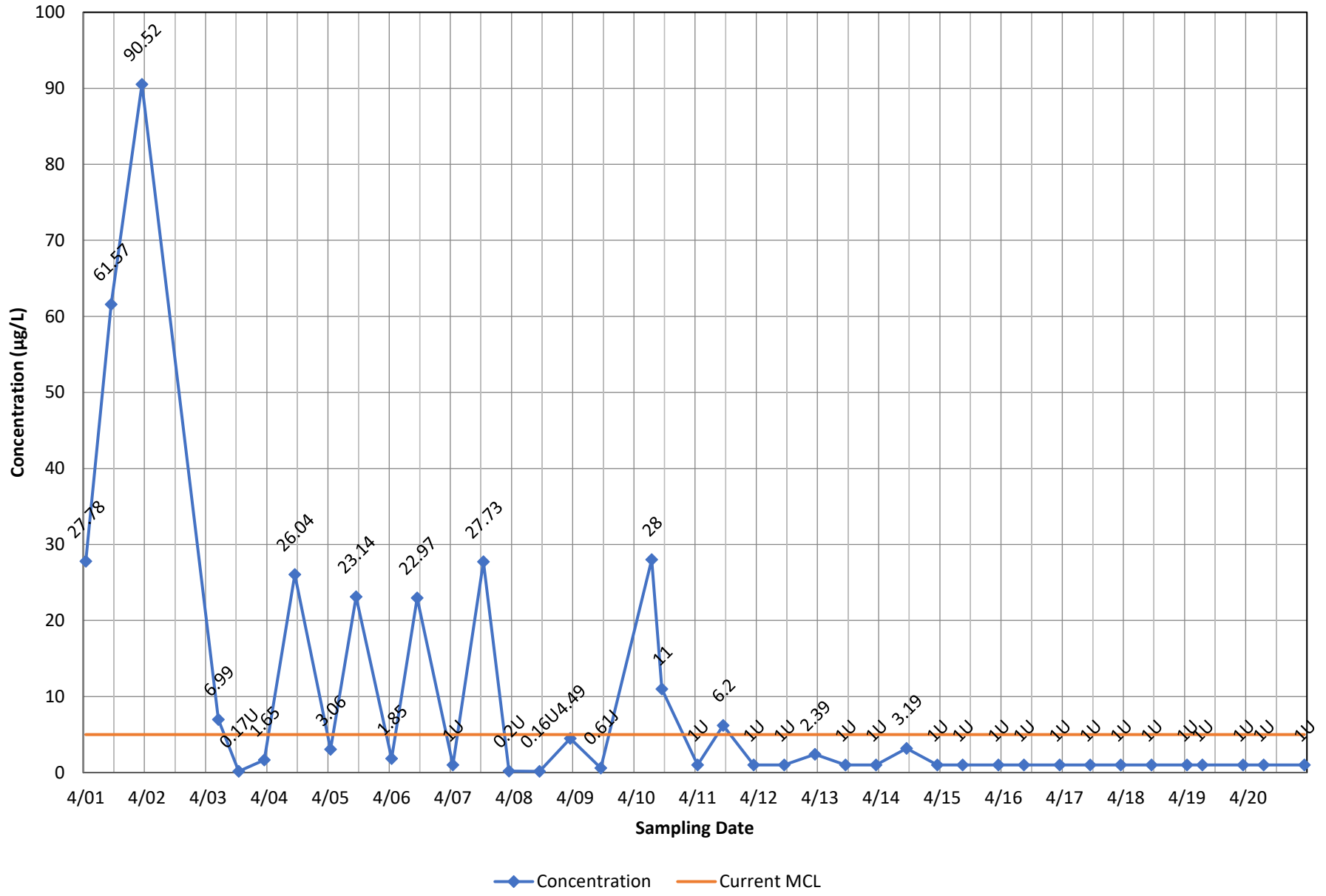
Monitoring Well OB03 - Vinyl Chloride



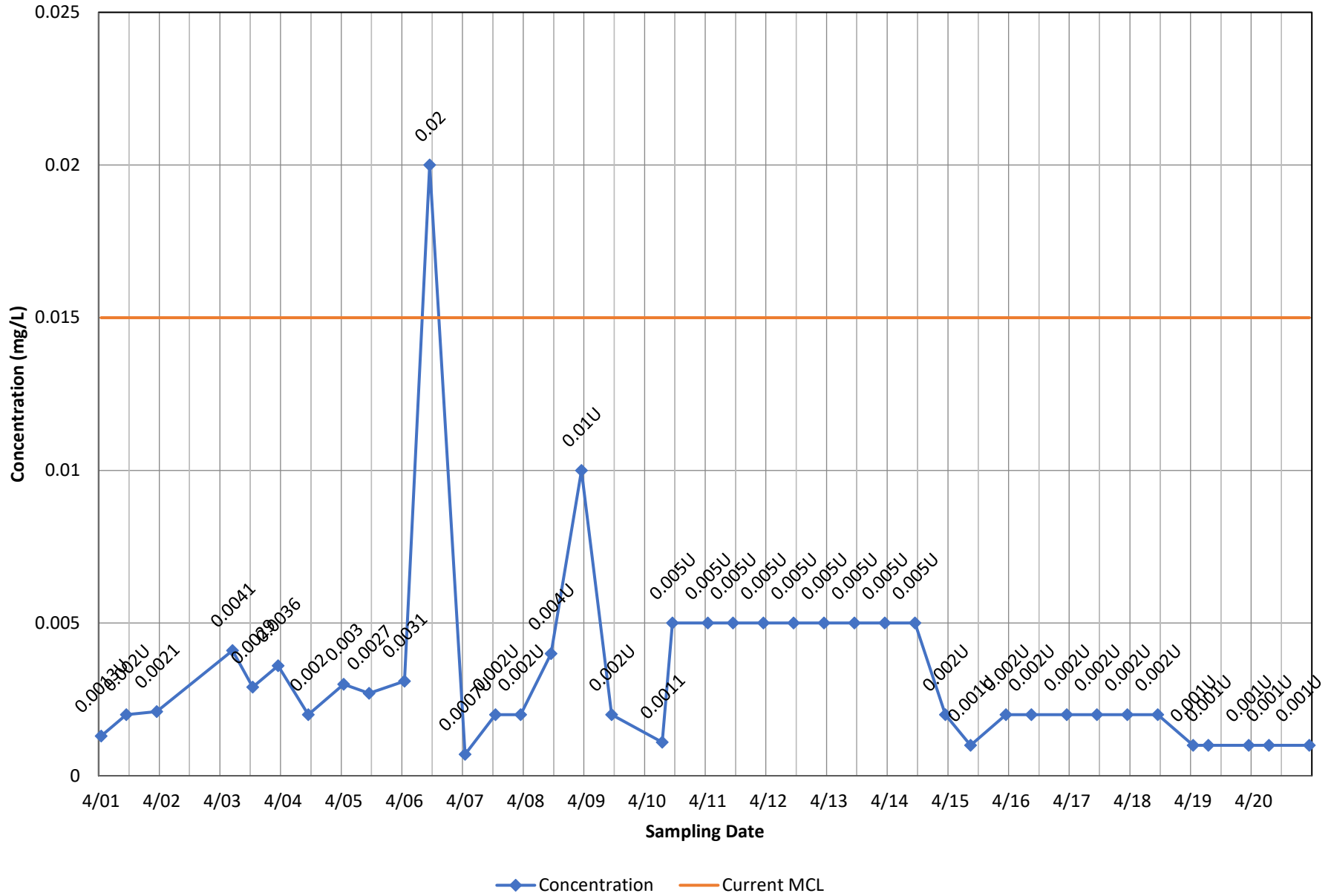
Monitoring Well OB03 - Trichloroethene



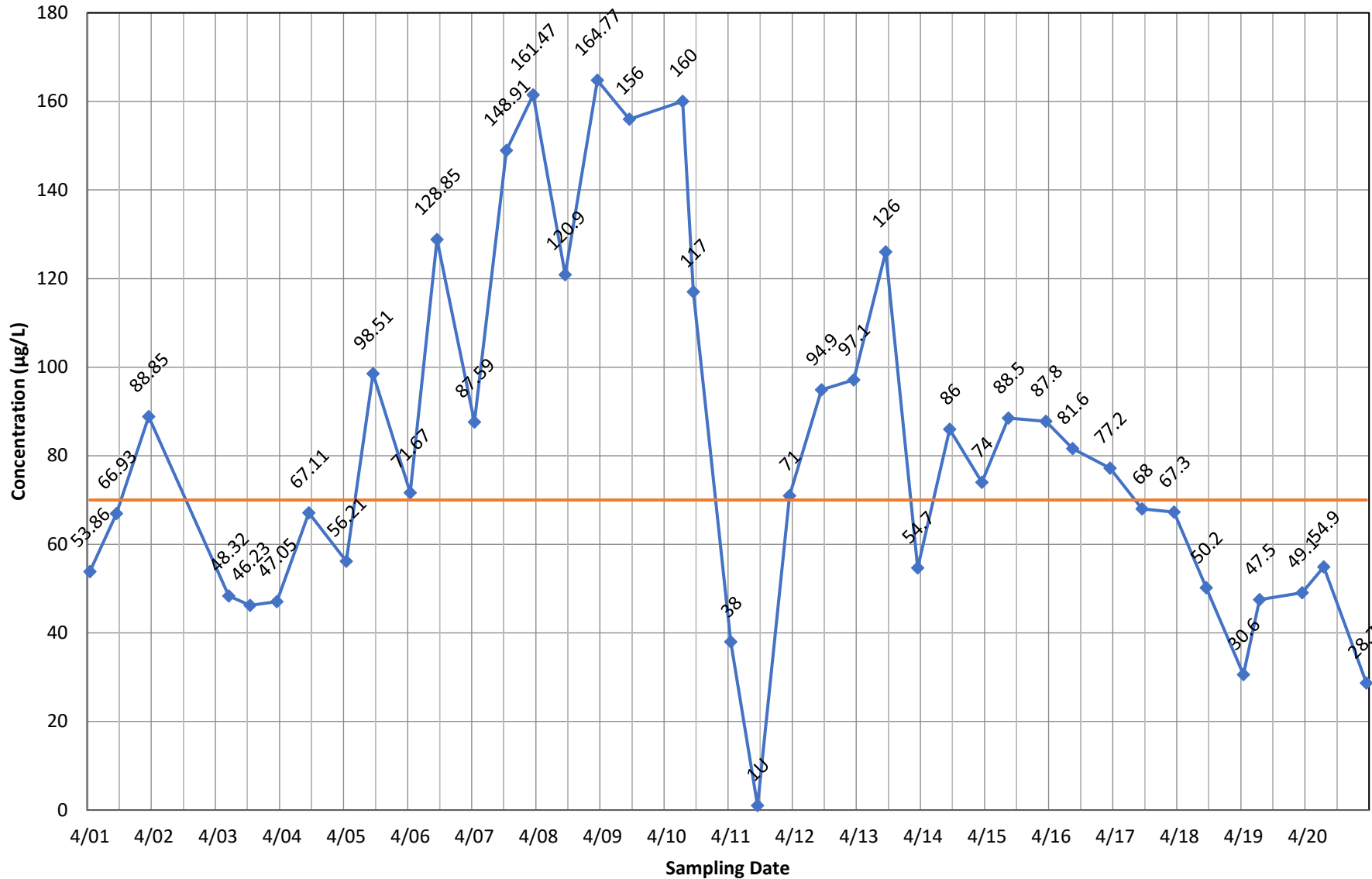
Monitoring Well OB03 - Tetrachloroethene



Monitoring Well OB03 - Lead, total

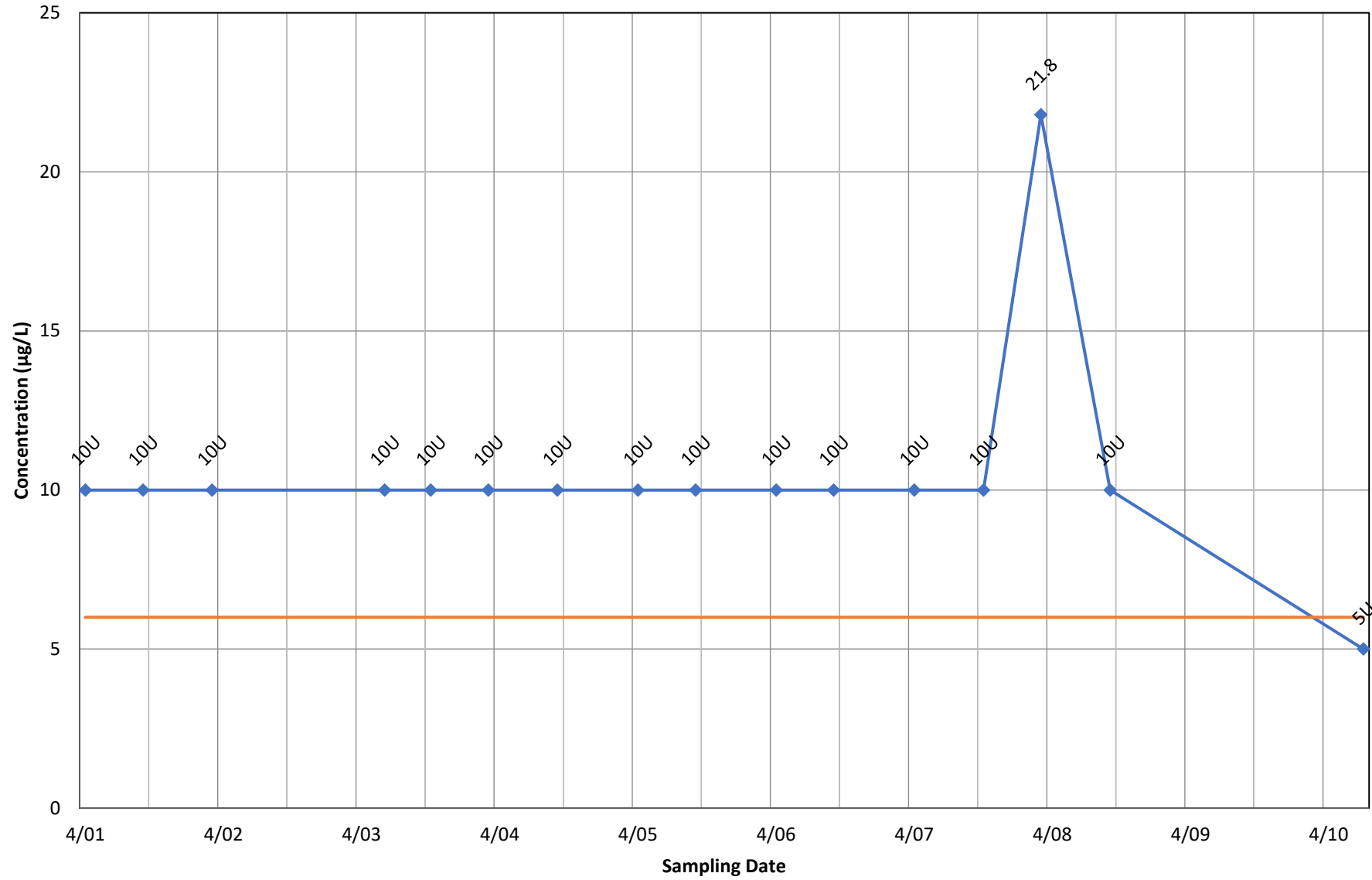


Monitoring Well OB03 - cis-1,2-Dichloroethene



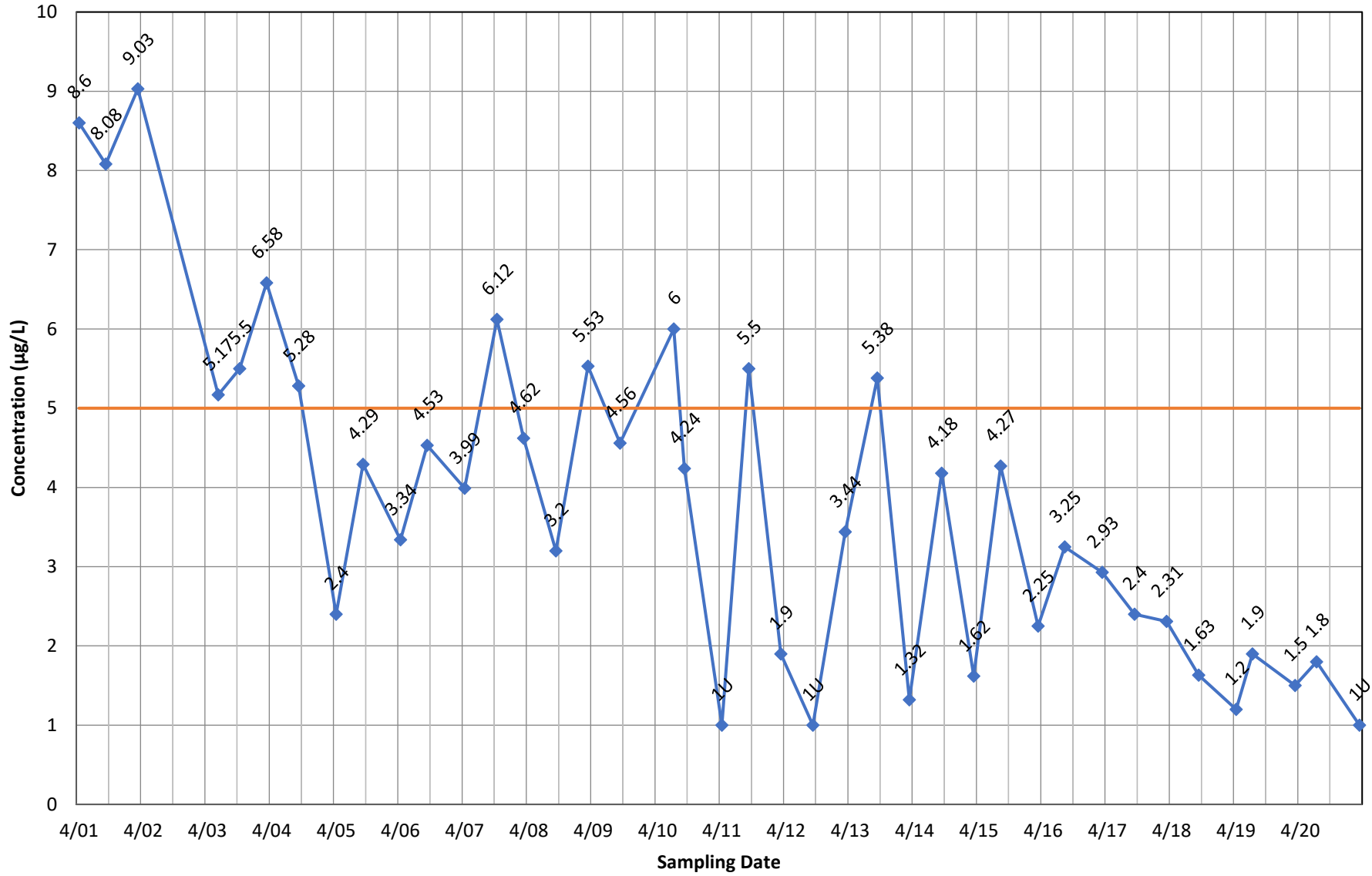
◆ Concentration — Current MCL

Monitoring Well OB03 - Bis(2-Ethylhexyl) Phthalate



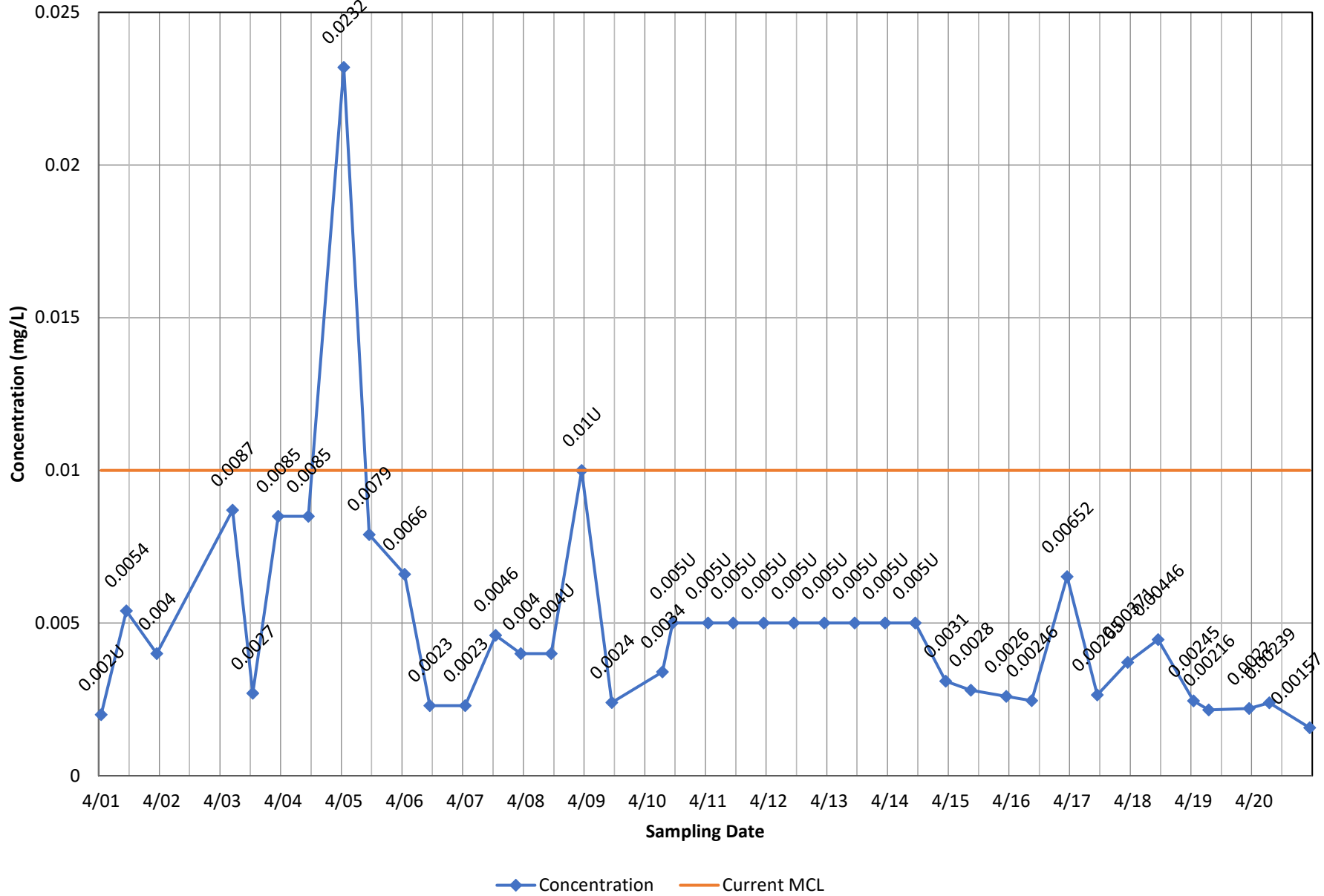
◆ Concentration — Current MCL

Monitoring Well OB03 - Benzene

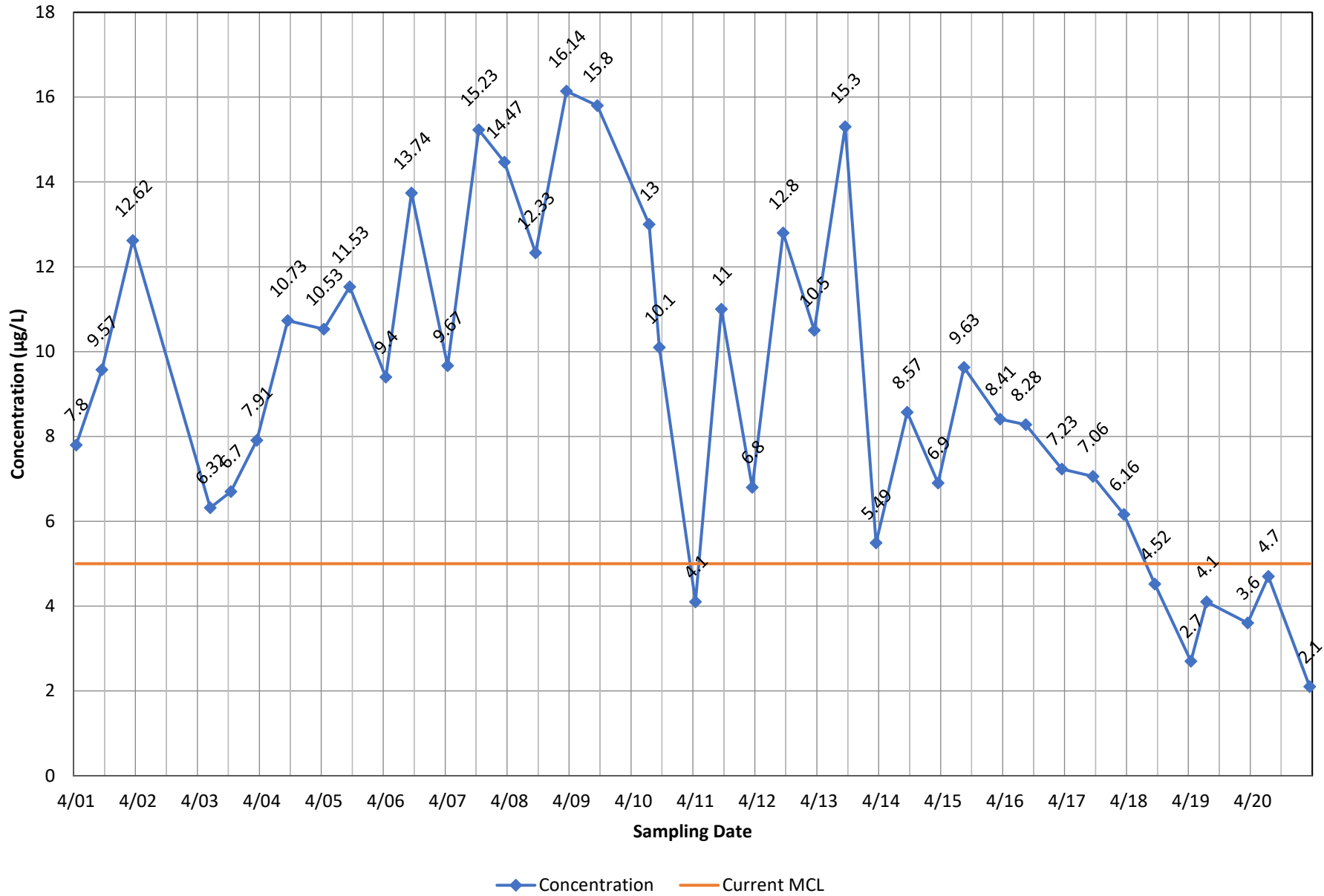


◆ Concentration — Current MCL

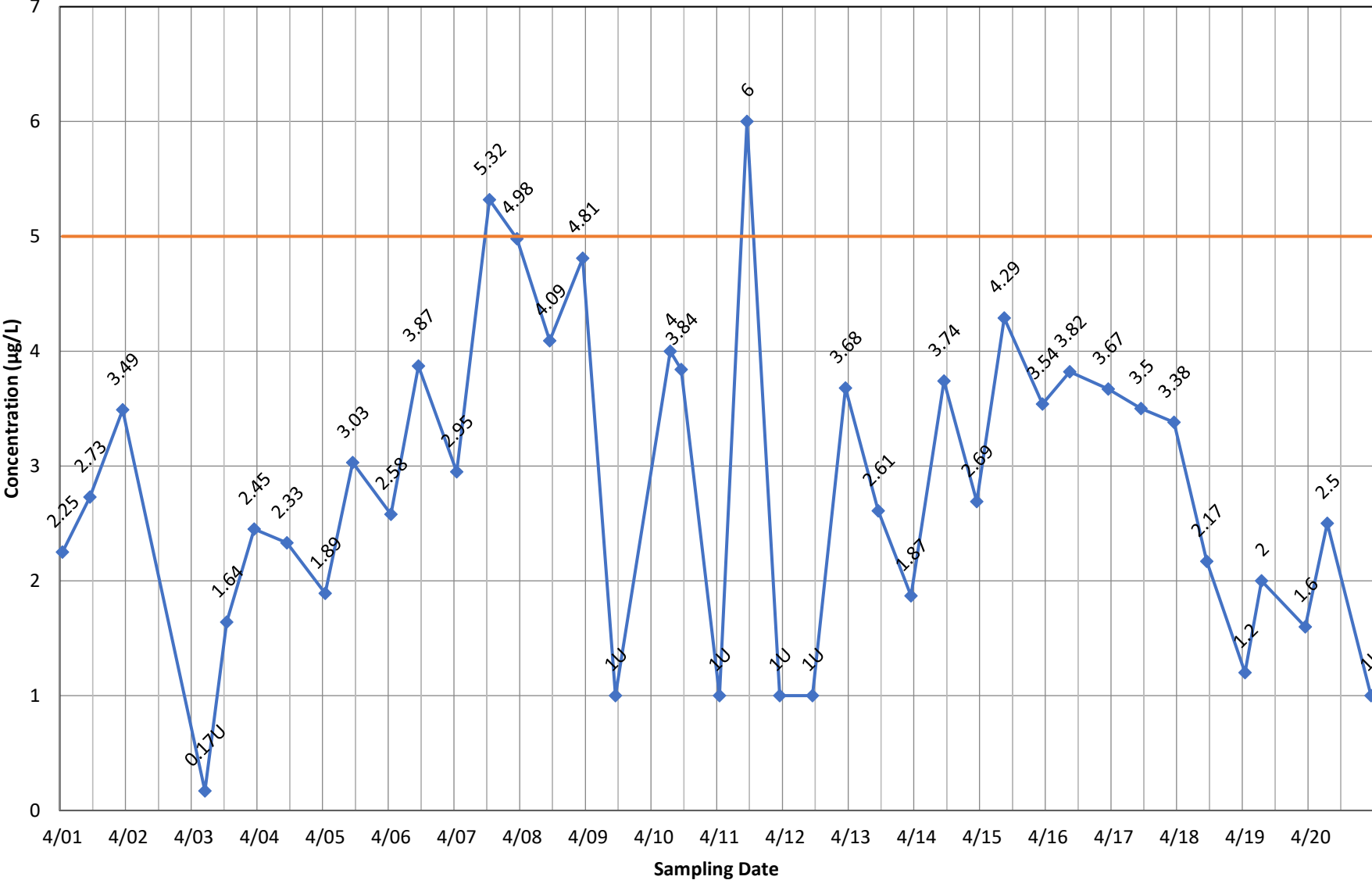
Monitoring Well OB03 - Arsenic, total



Monitoring Well OB03 - 1,2-Dichloropropane

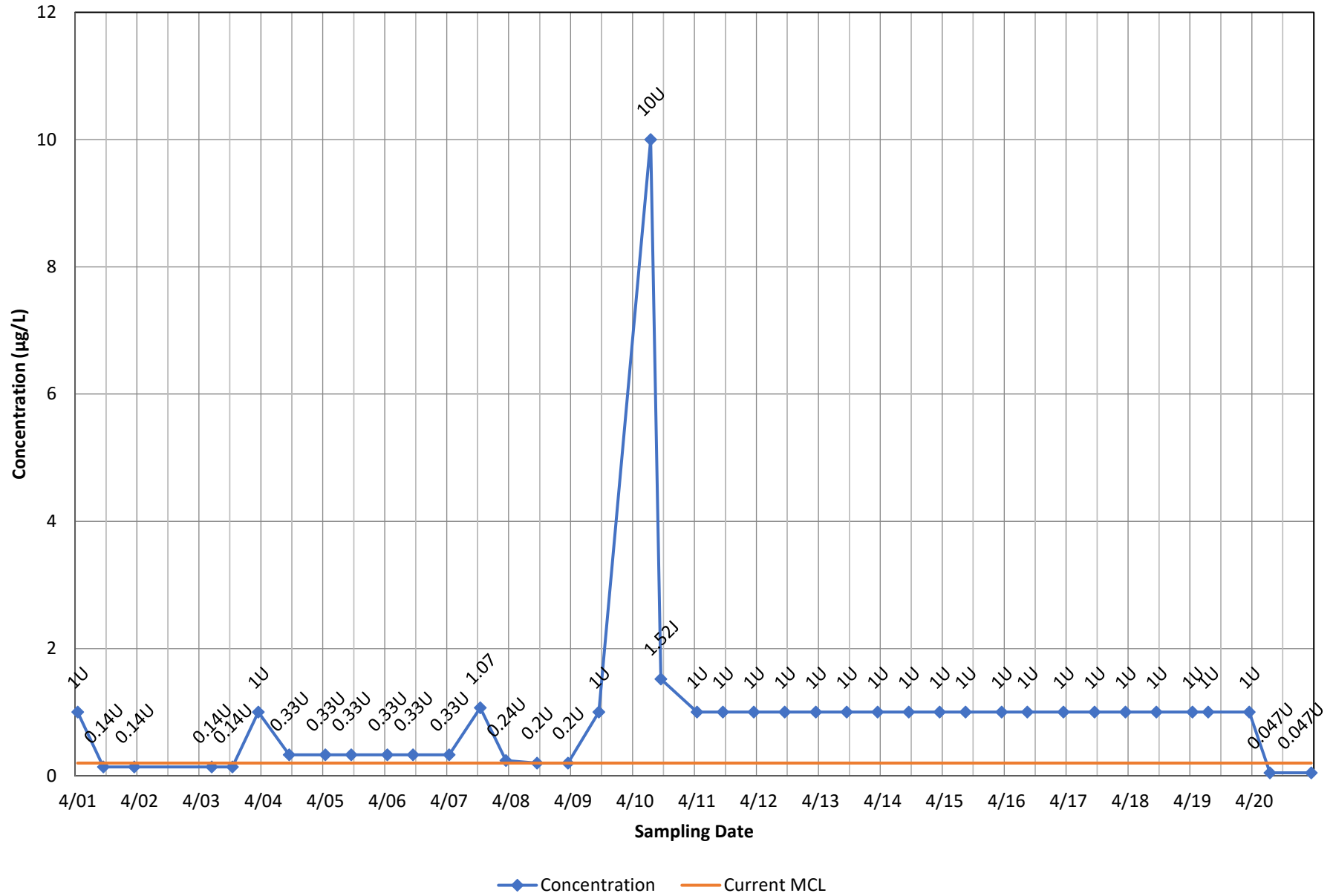


Monitoring Well OB03 - 1,2-Dichloroethane

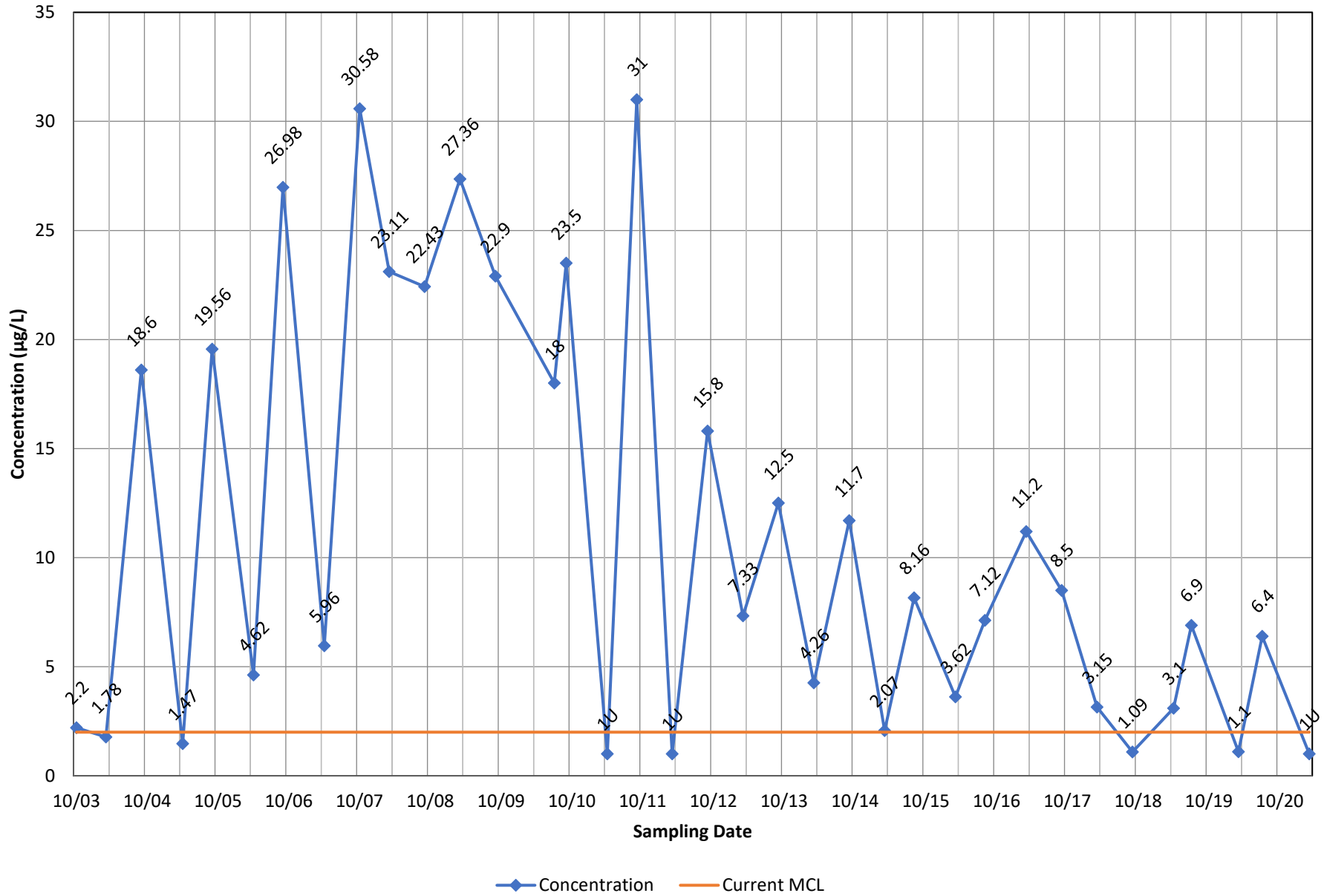


◆ Concentration — Current MCL

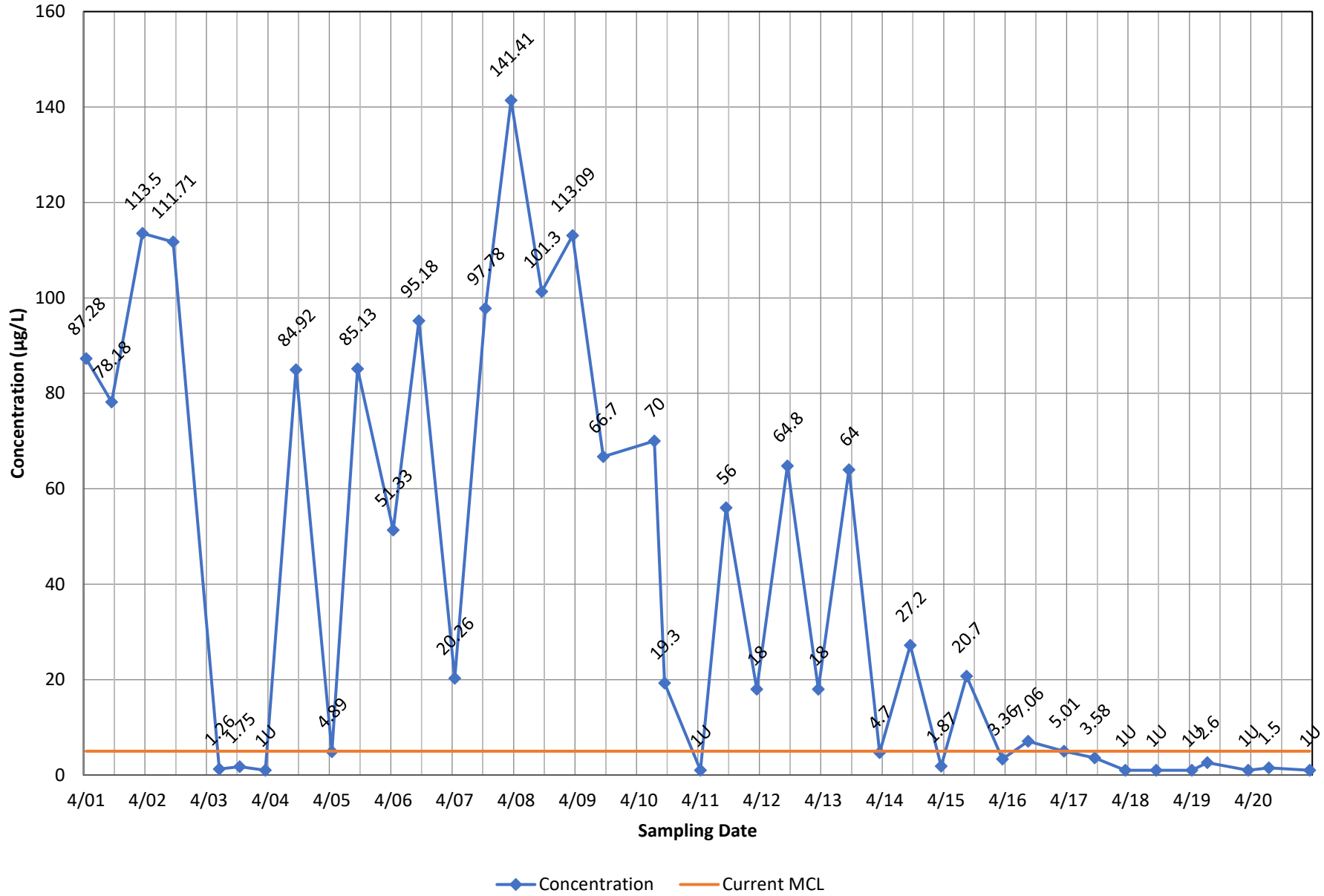
Monitoring Well OB03 - 1,2-Dibromo-3-chloropropane



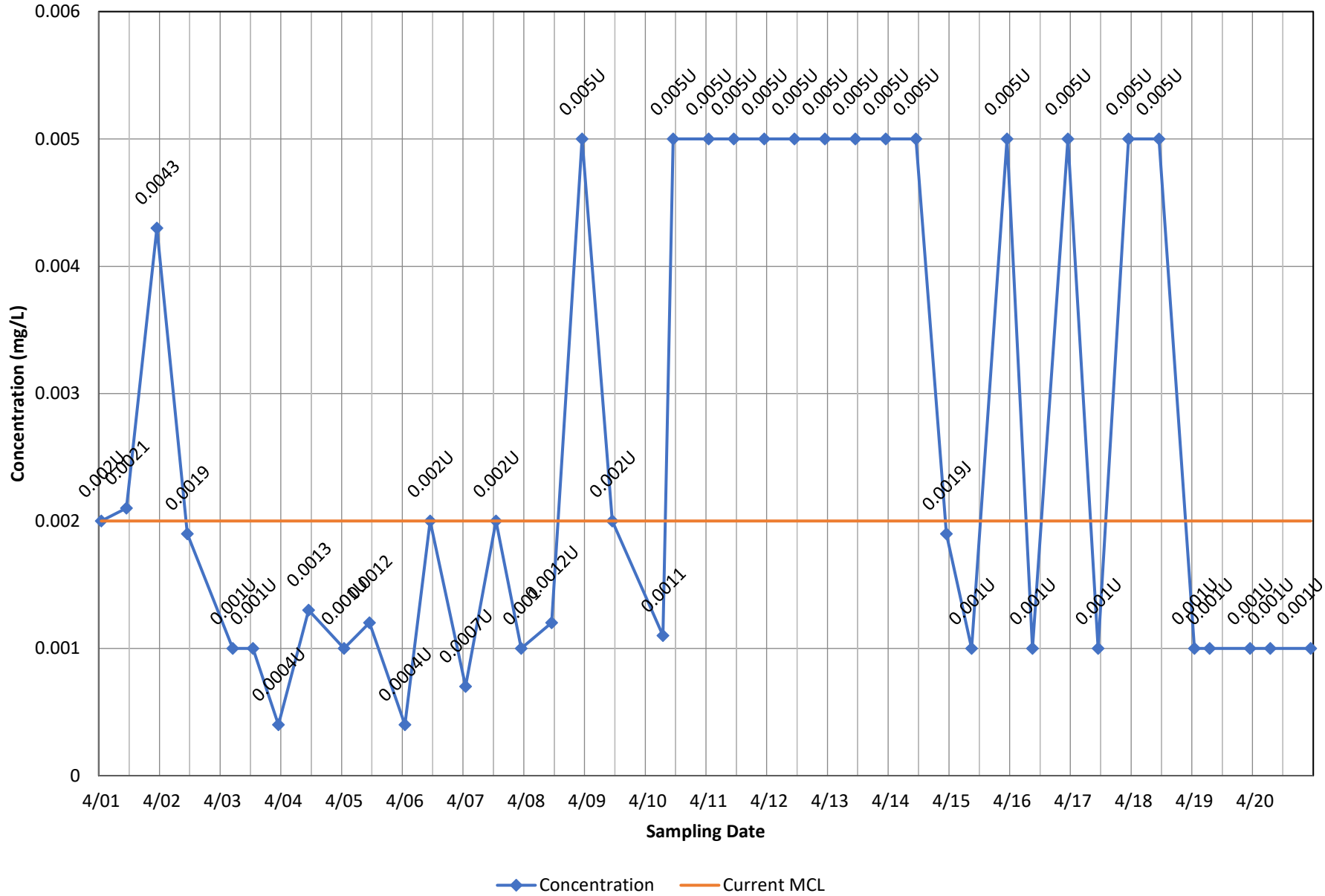
Monitoring Well OB03A - Vinyl Chloride



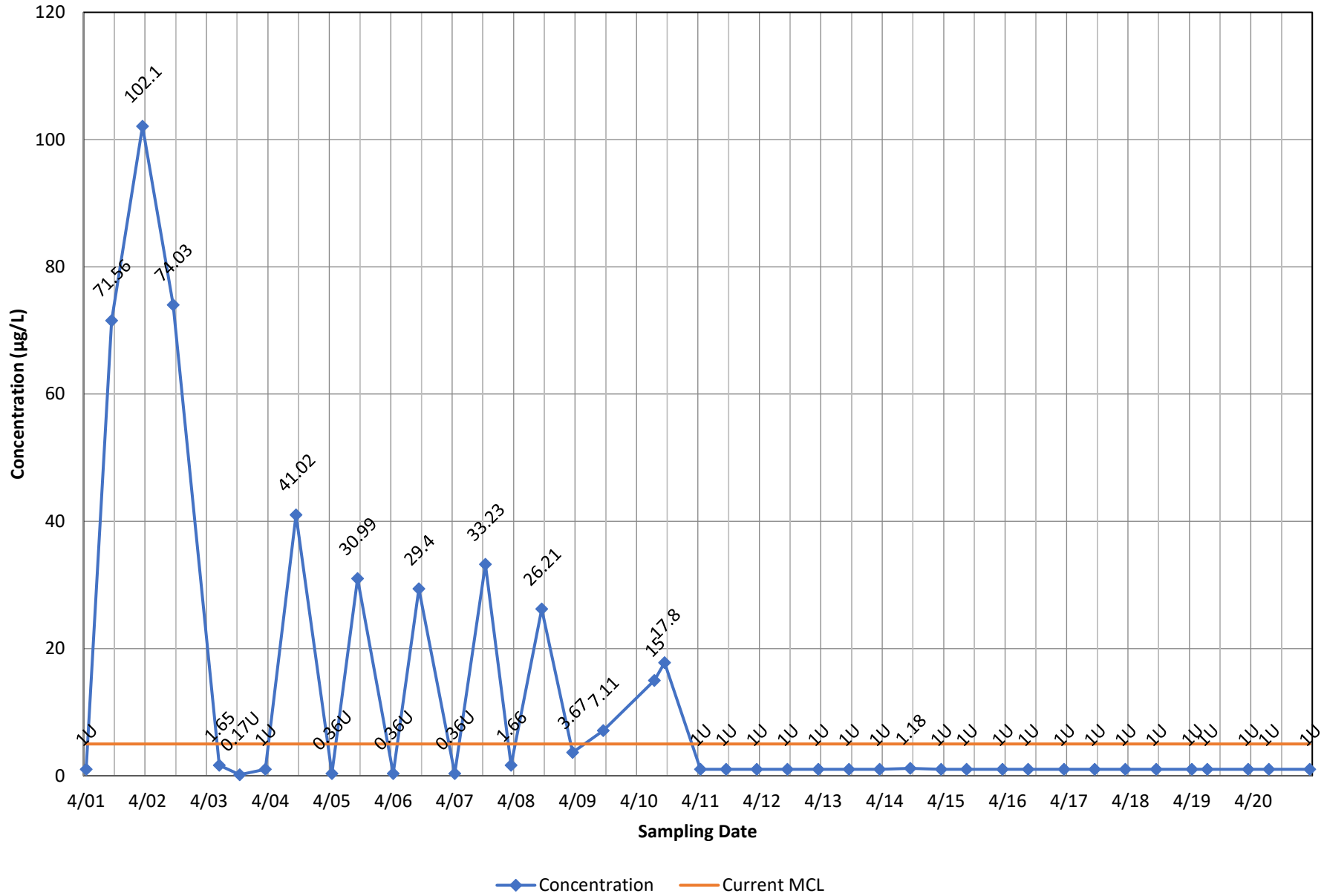
Monitoring Well OB03A - Trichloroethene



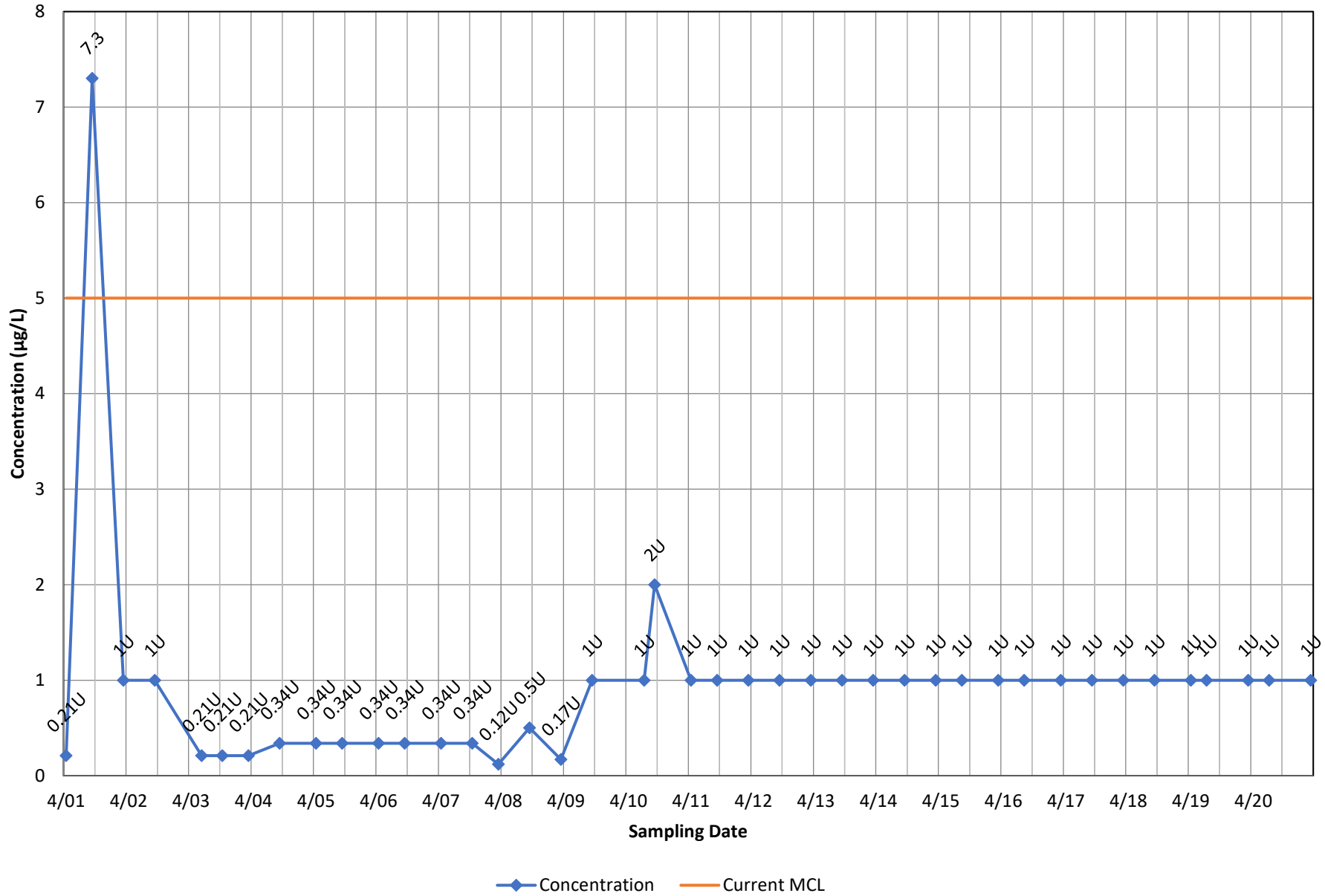
Monitoring Well OB03A - Thallium, total



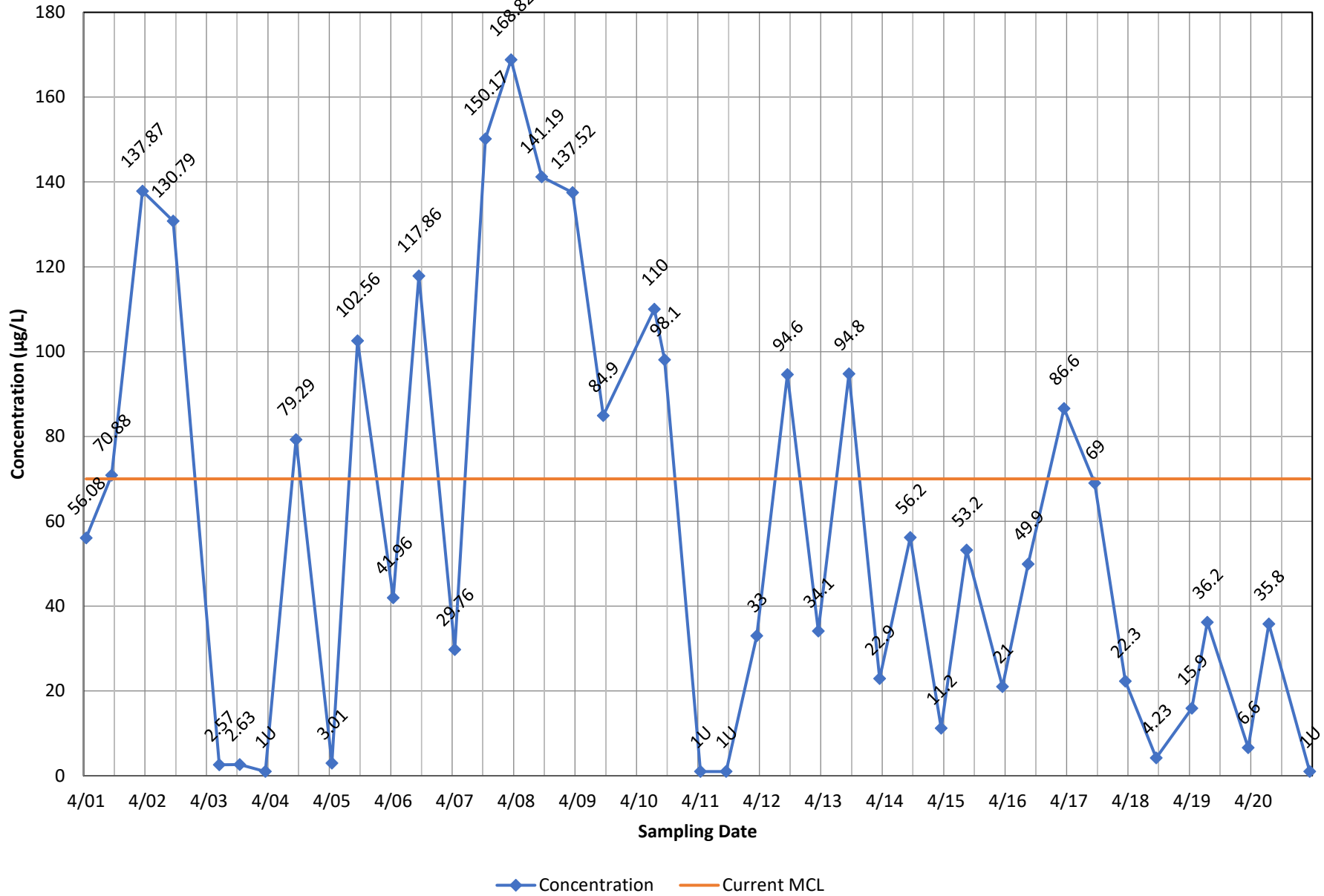
Monitoring Well OB03A - Tetrachloroethene



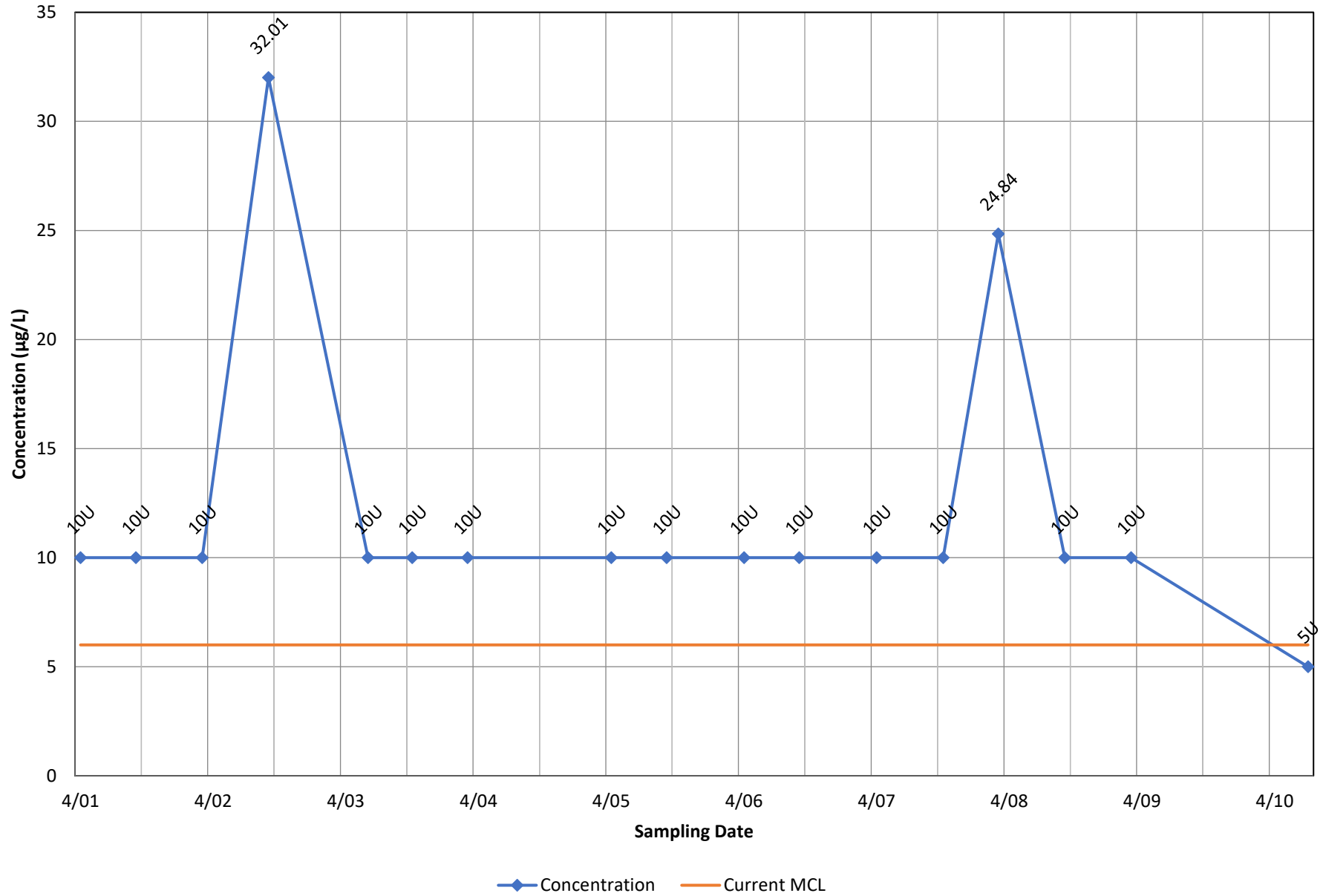
Monitoring Well OB03A - Methylene Chloride



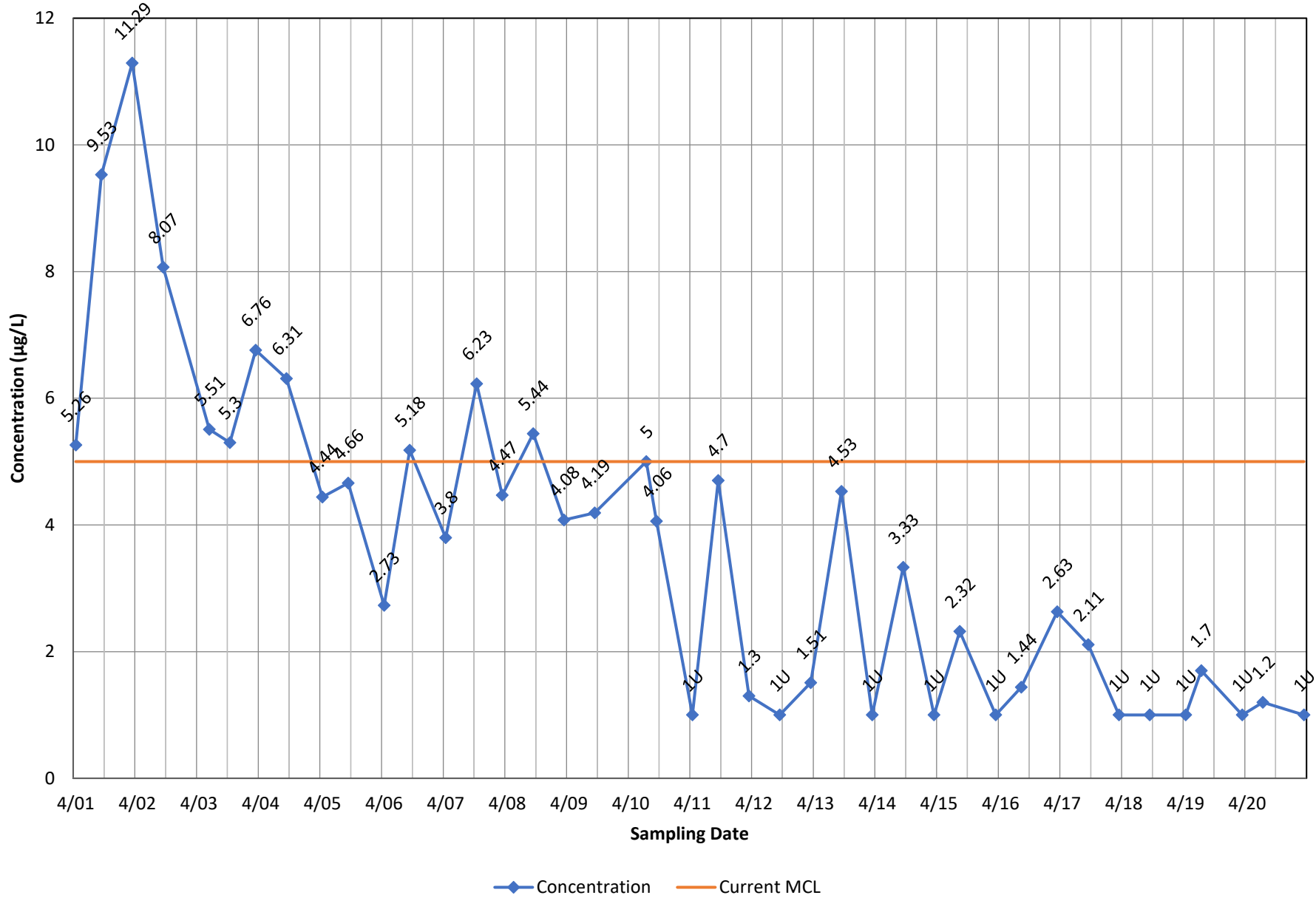
Monitoring Well OB03A - cis-1,2-Dichloroethene



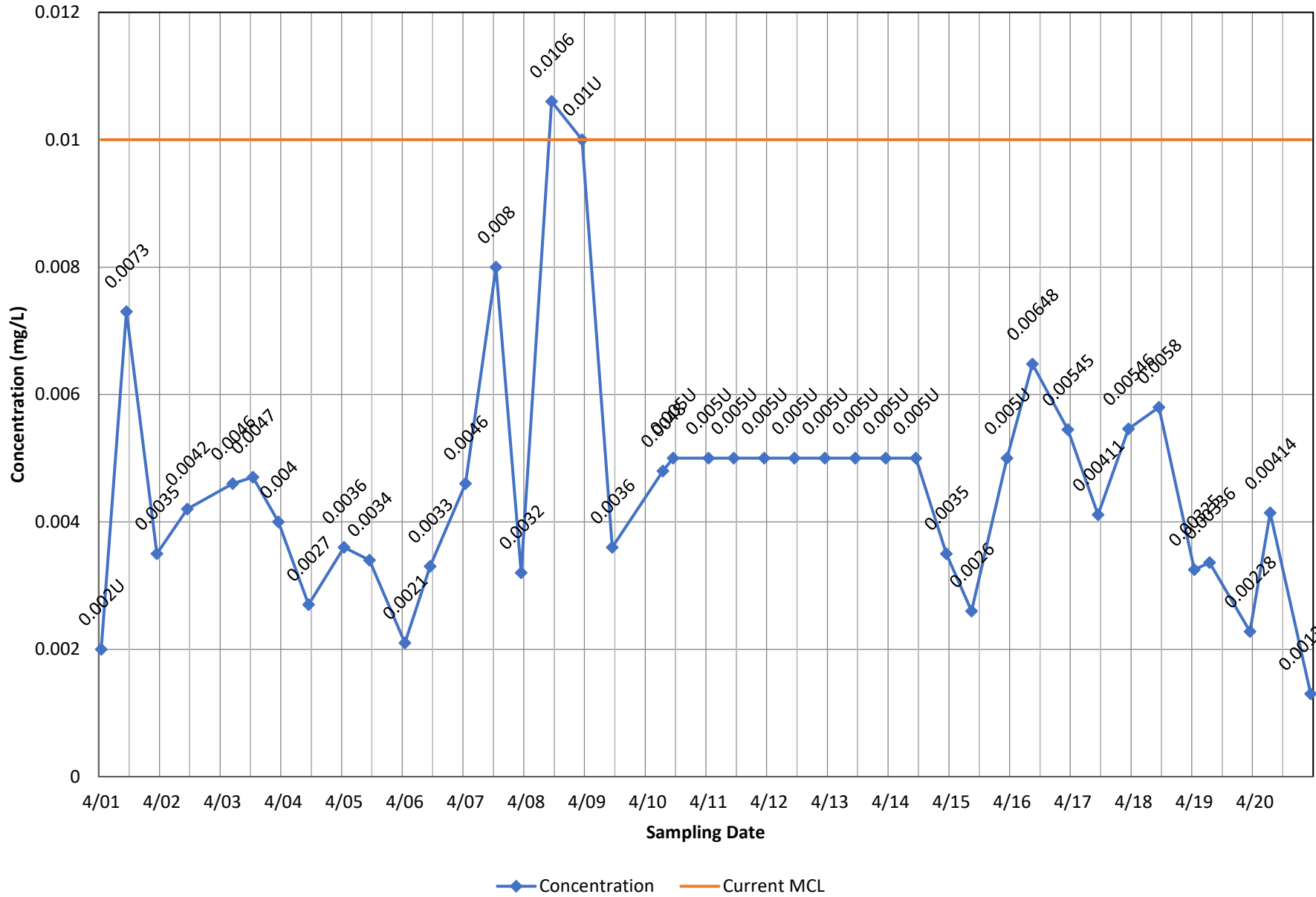
Monitoring Well OB03A - Bis(2-Ethylhexyl) Phthalate



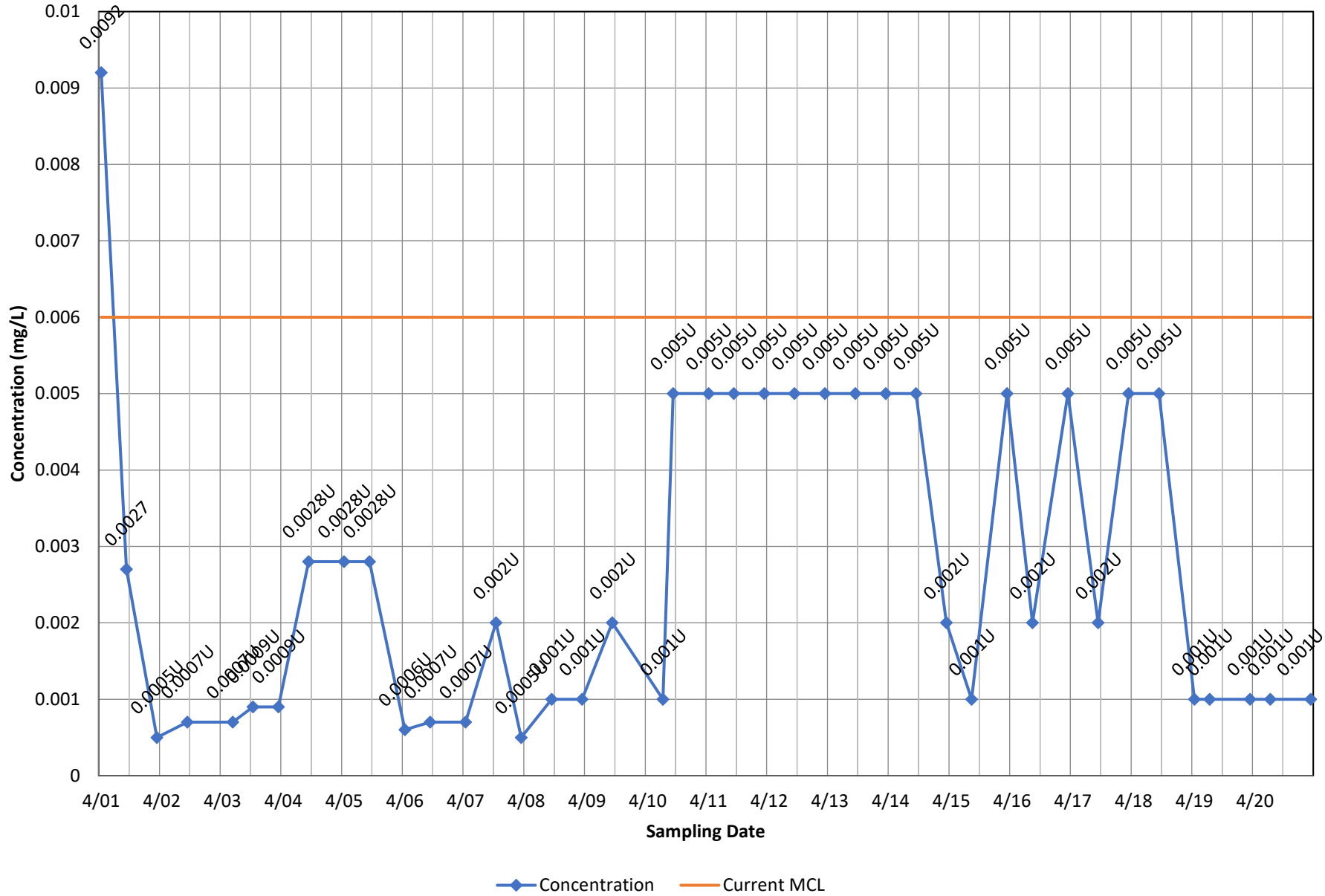
Monitoring Well OB03A - Benzene



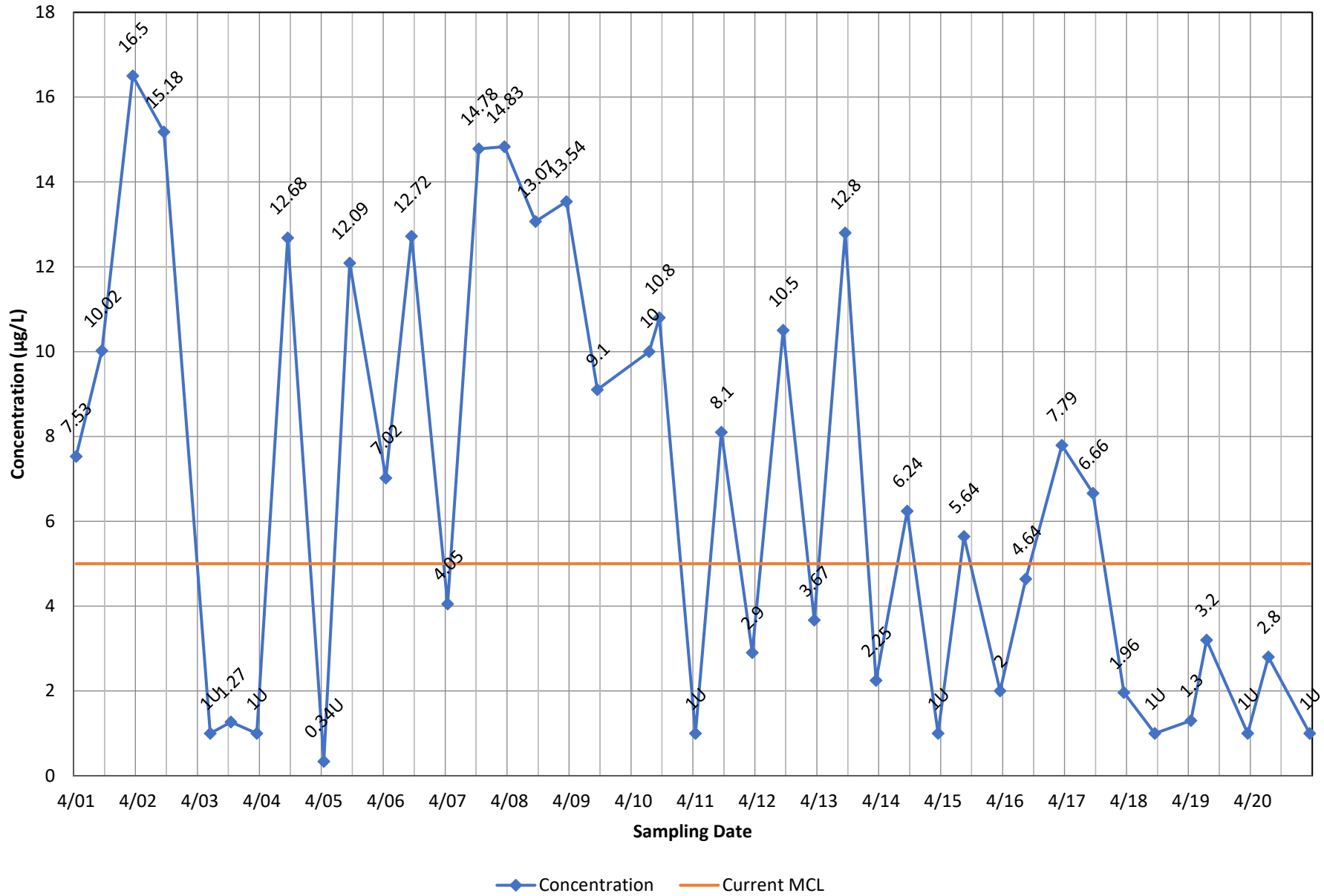
Monitoring Well OB03A - Arsenic, total



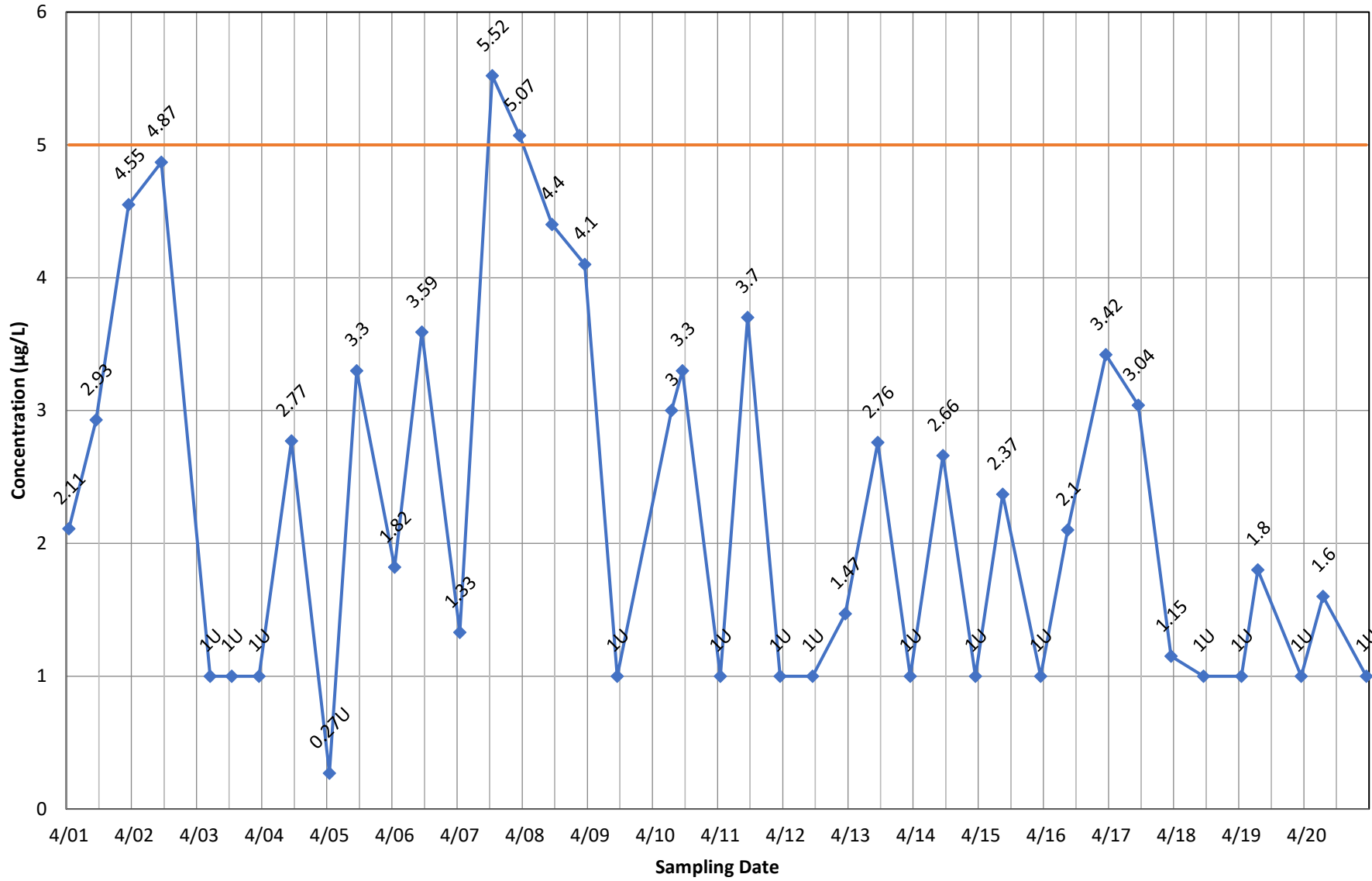
Monitoring Well OB03A - Antimony, total



Monitoring Well OB03A - 1,2-Dichloropropane

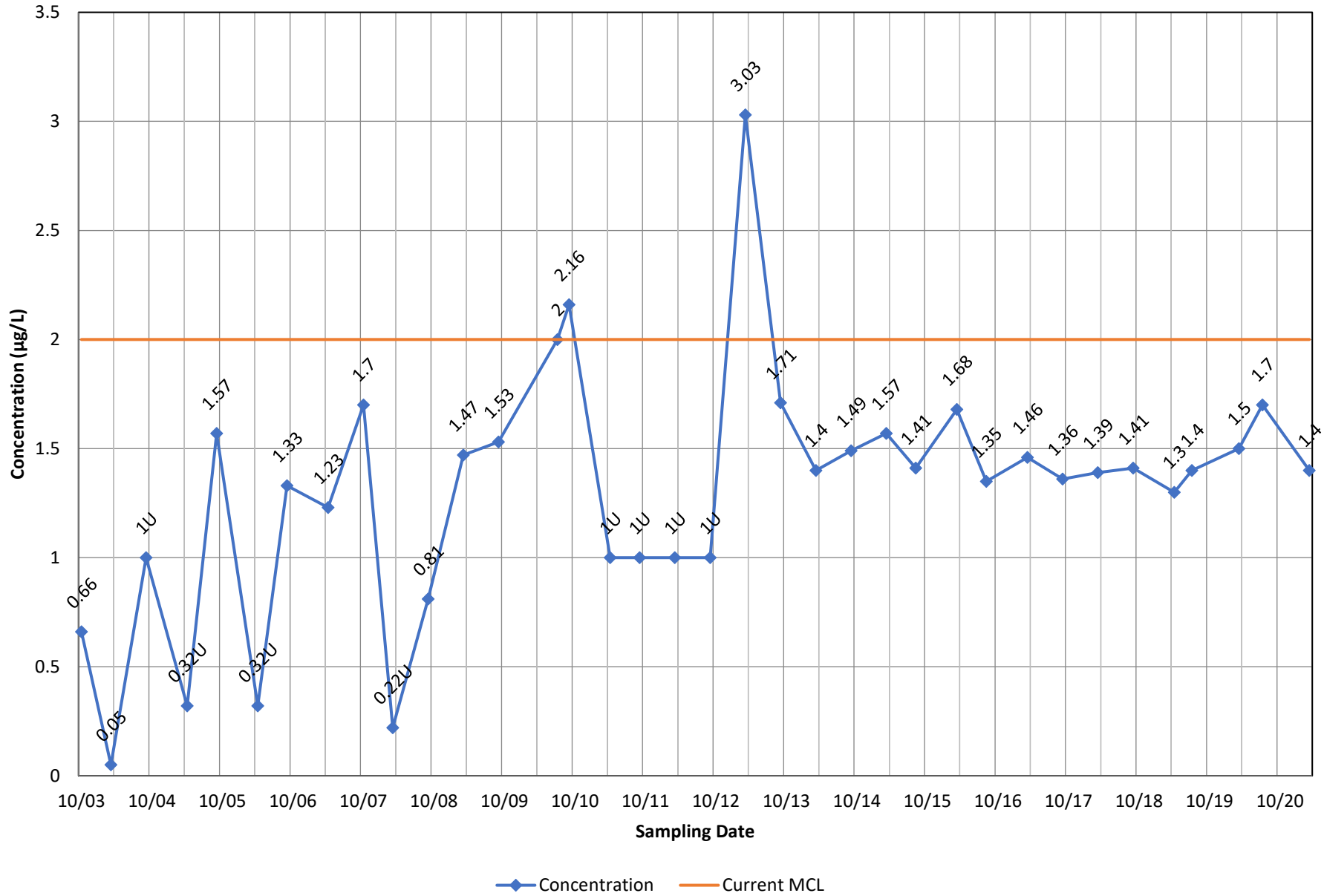


Monitoring Well OB03A - 1,2-Dichloroethane

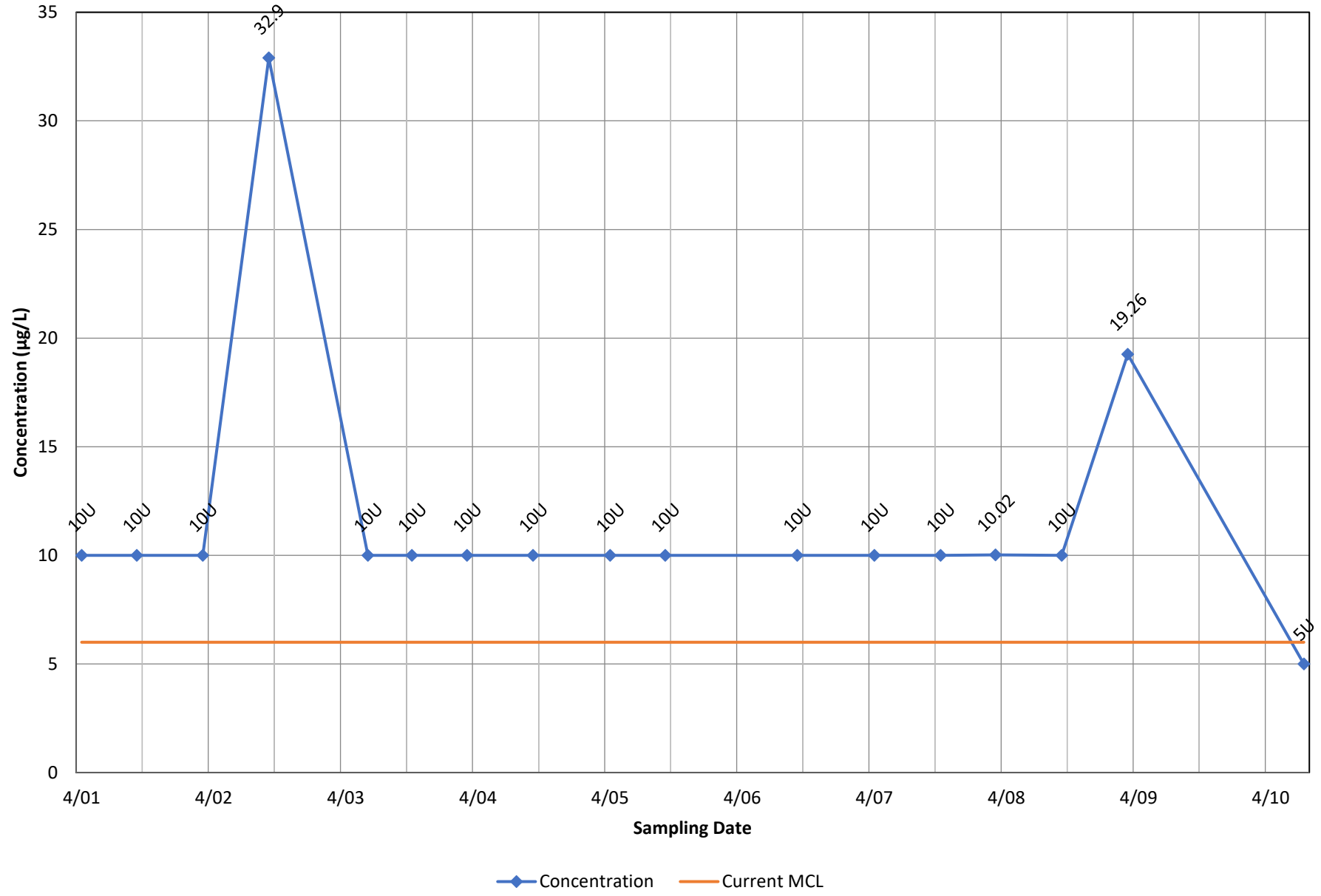


◆ Concentration — Current MCL

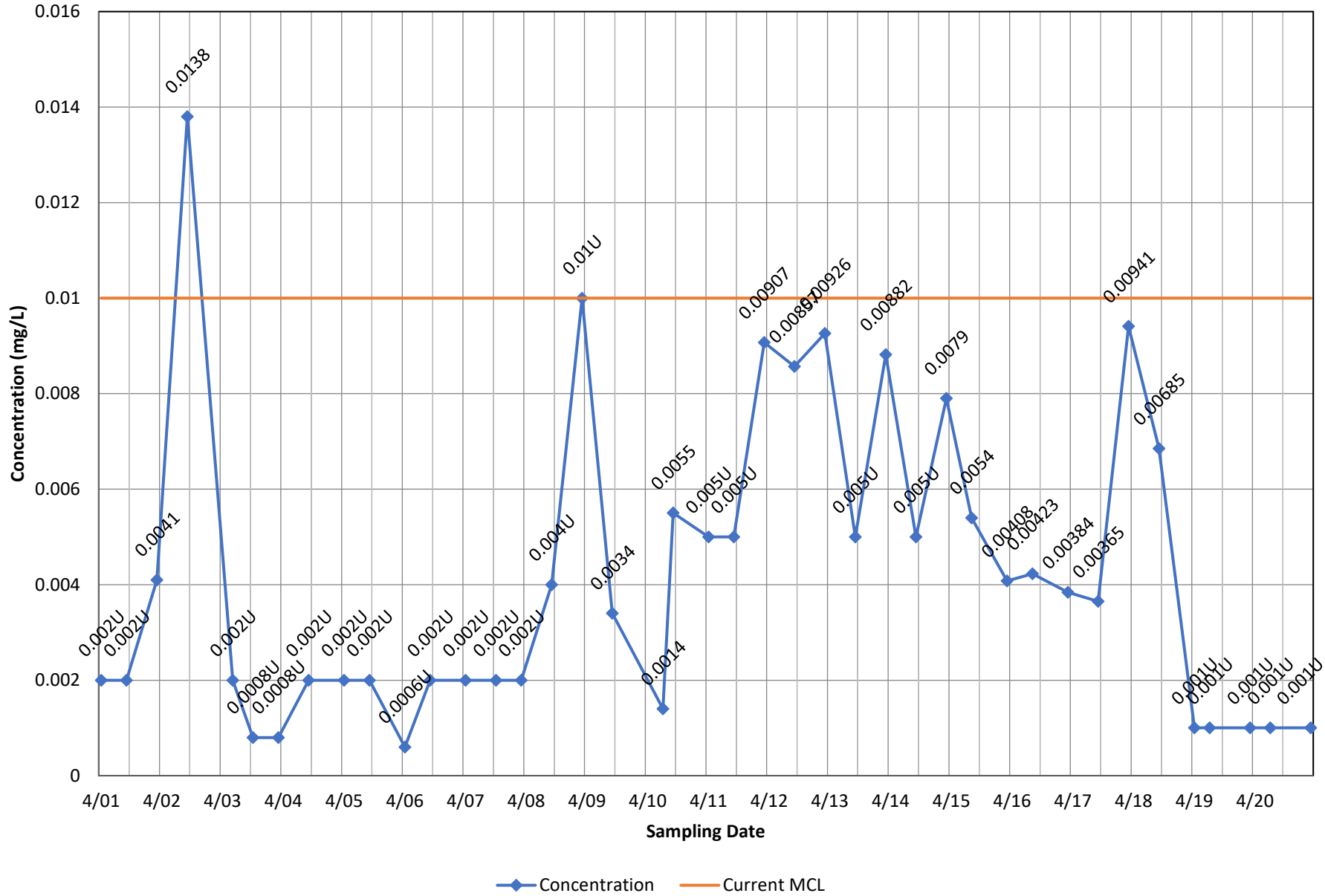
Monitoring Well OB04 - Vinyl Chloride



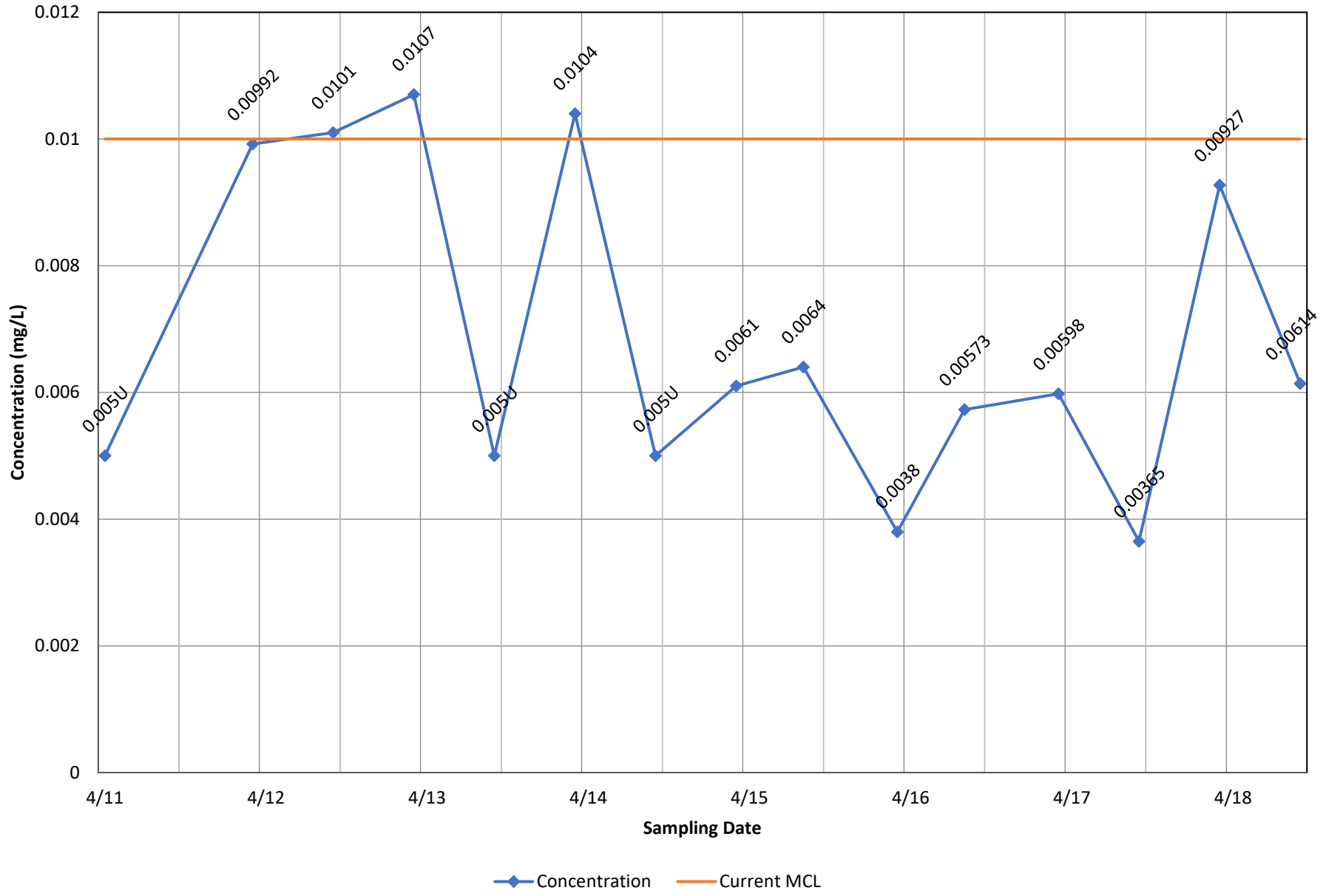
Monitoring Well OB04 - Bis(2-Ethylhexyl) Phthalate



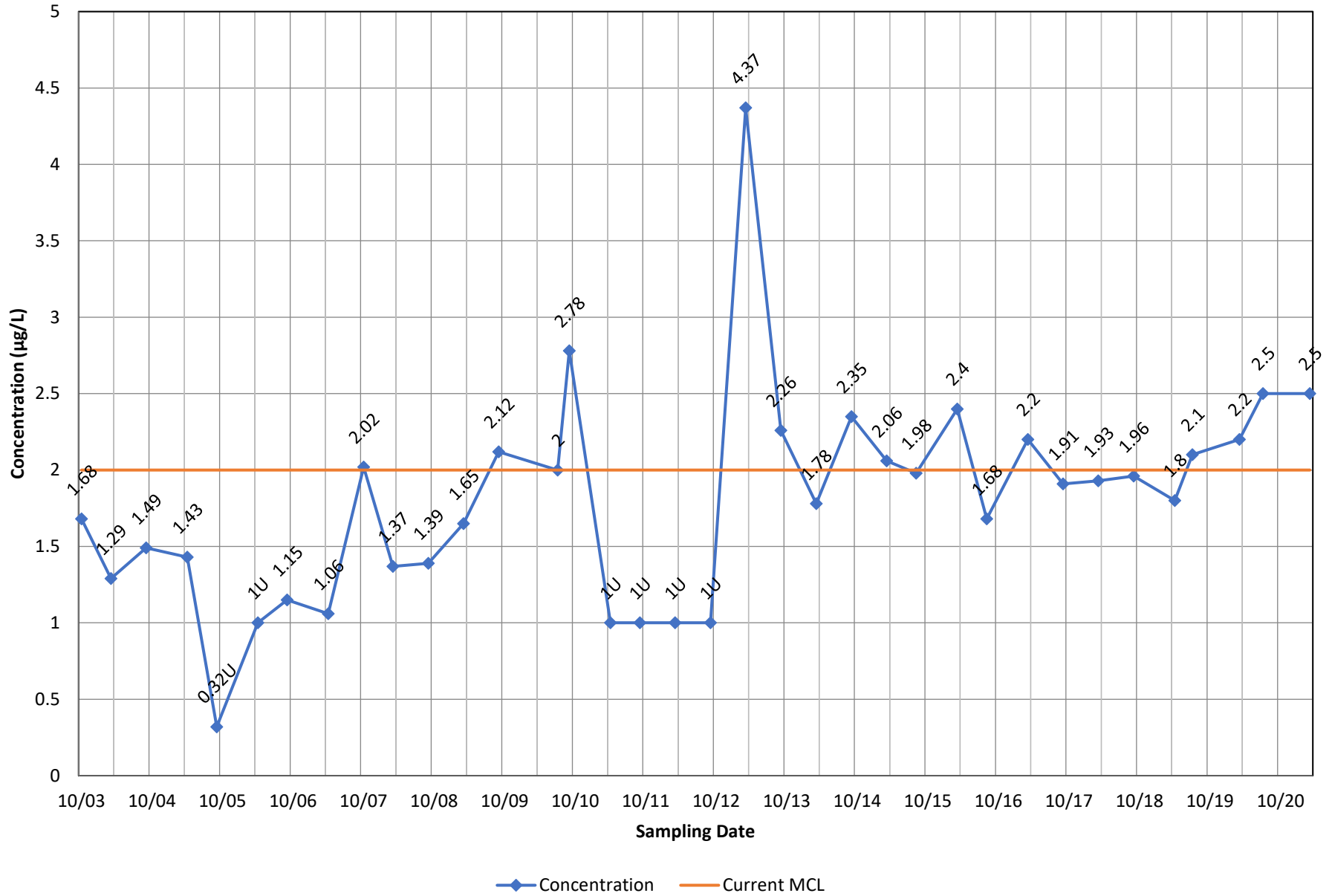
Monitoring Well OB04 - Arsenic, total



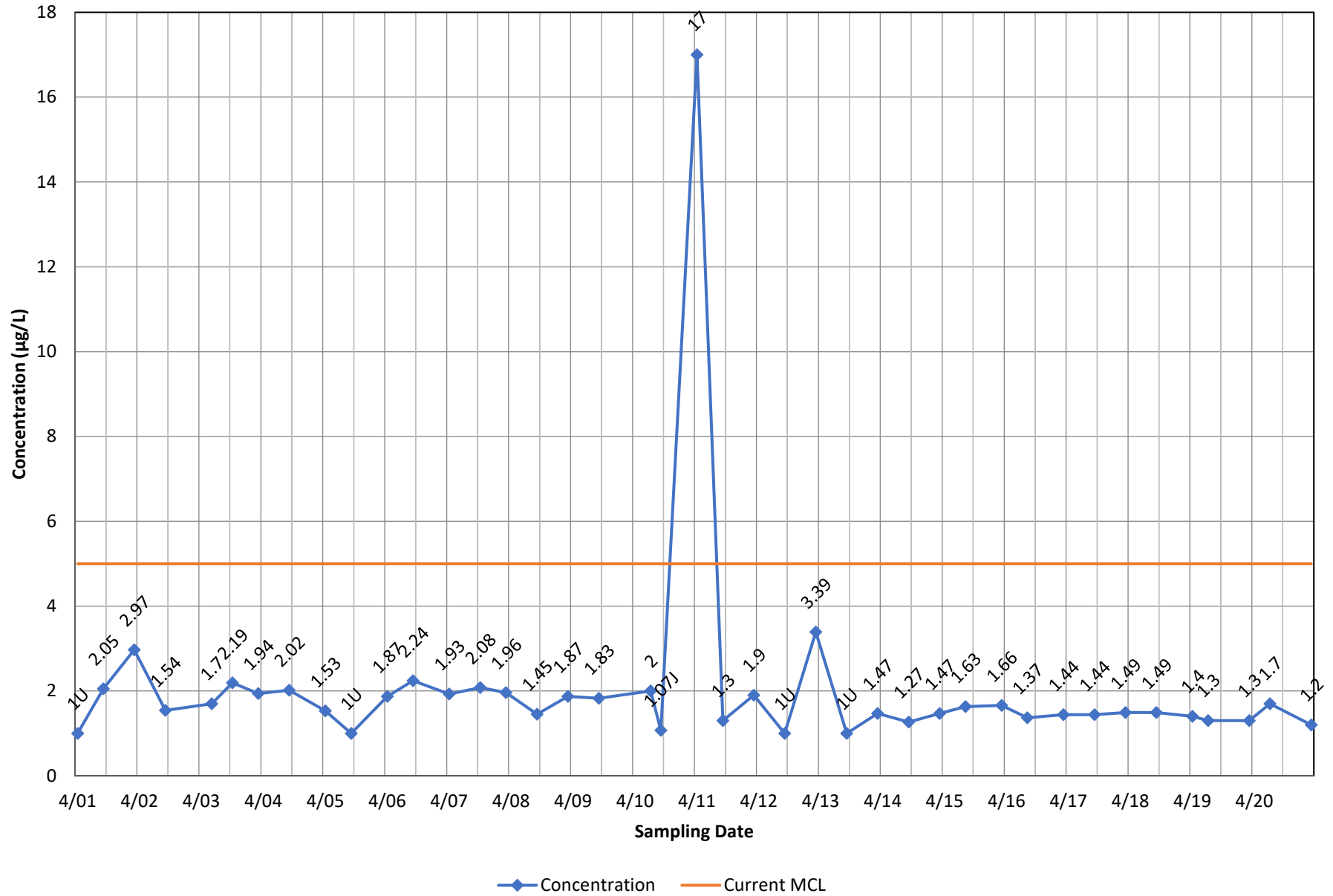
Monitoring Well OB04 - Arsenic, dissolved



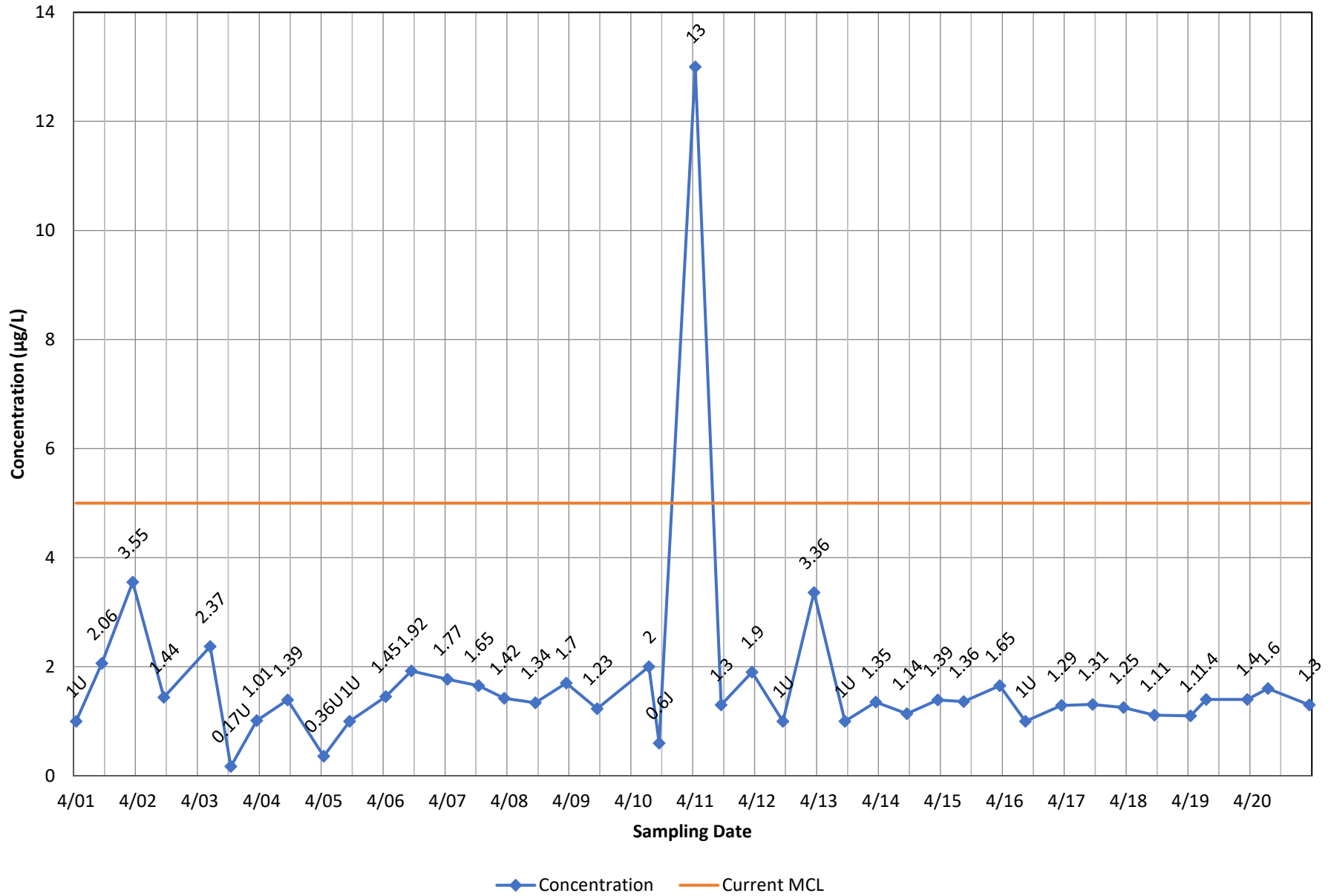
Monitoring Well OB04A - Vinyl Chloride



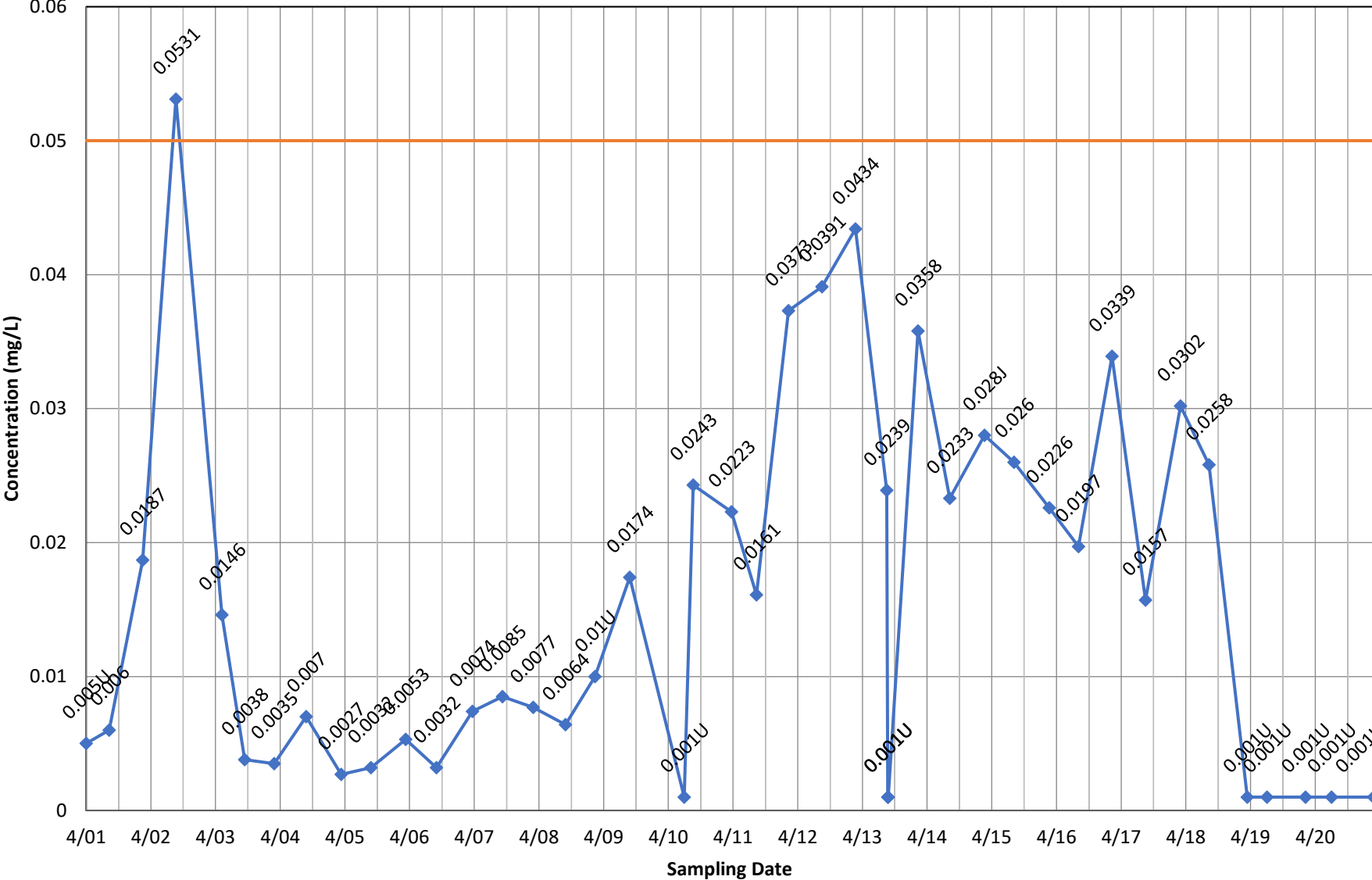
Monitoring Well OB04A - Trichloroethene



Monitoring Well OB04A - Tetrachloroethene

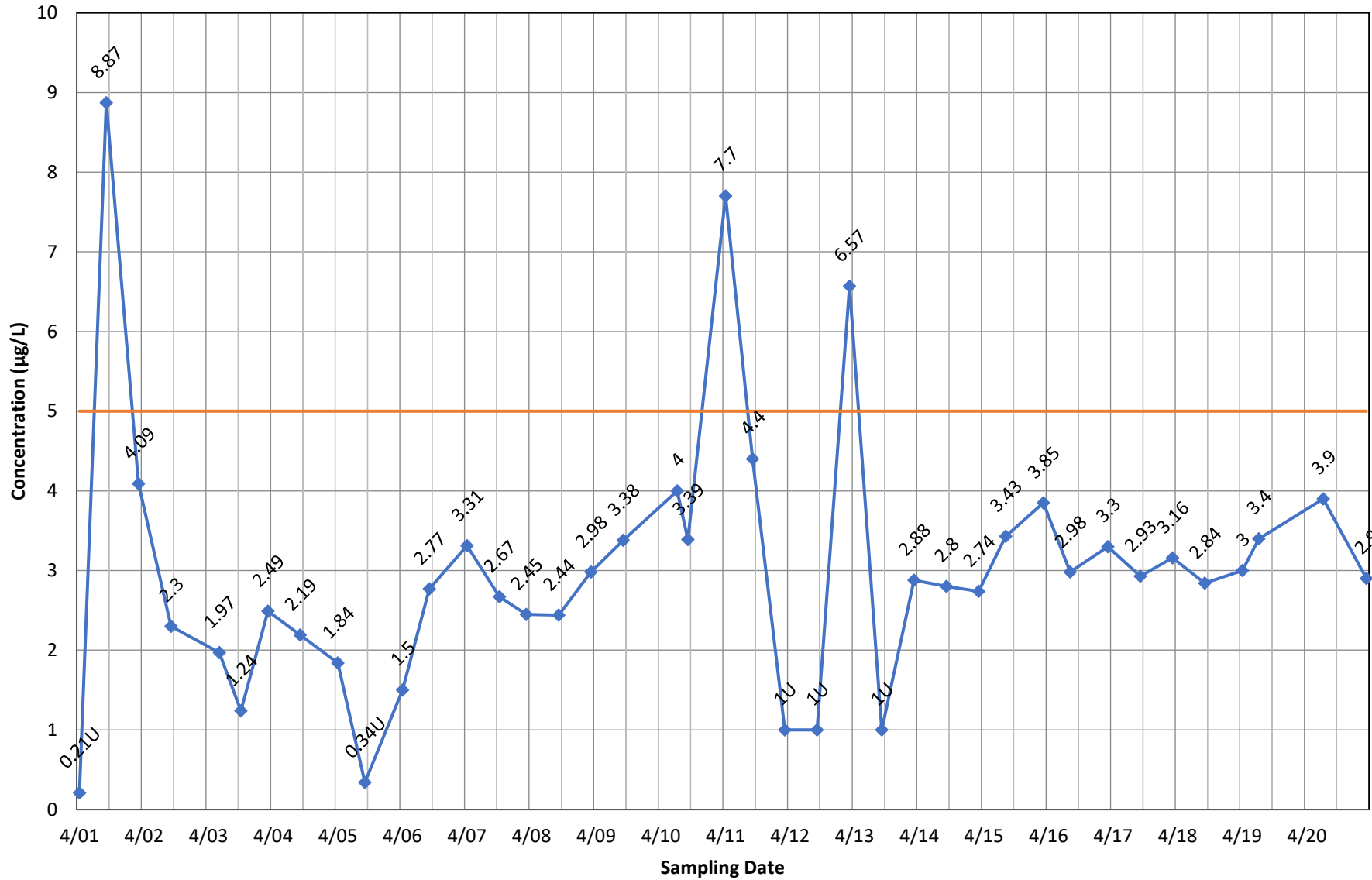


Monitoring Well OB04A - Selenium, total



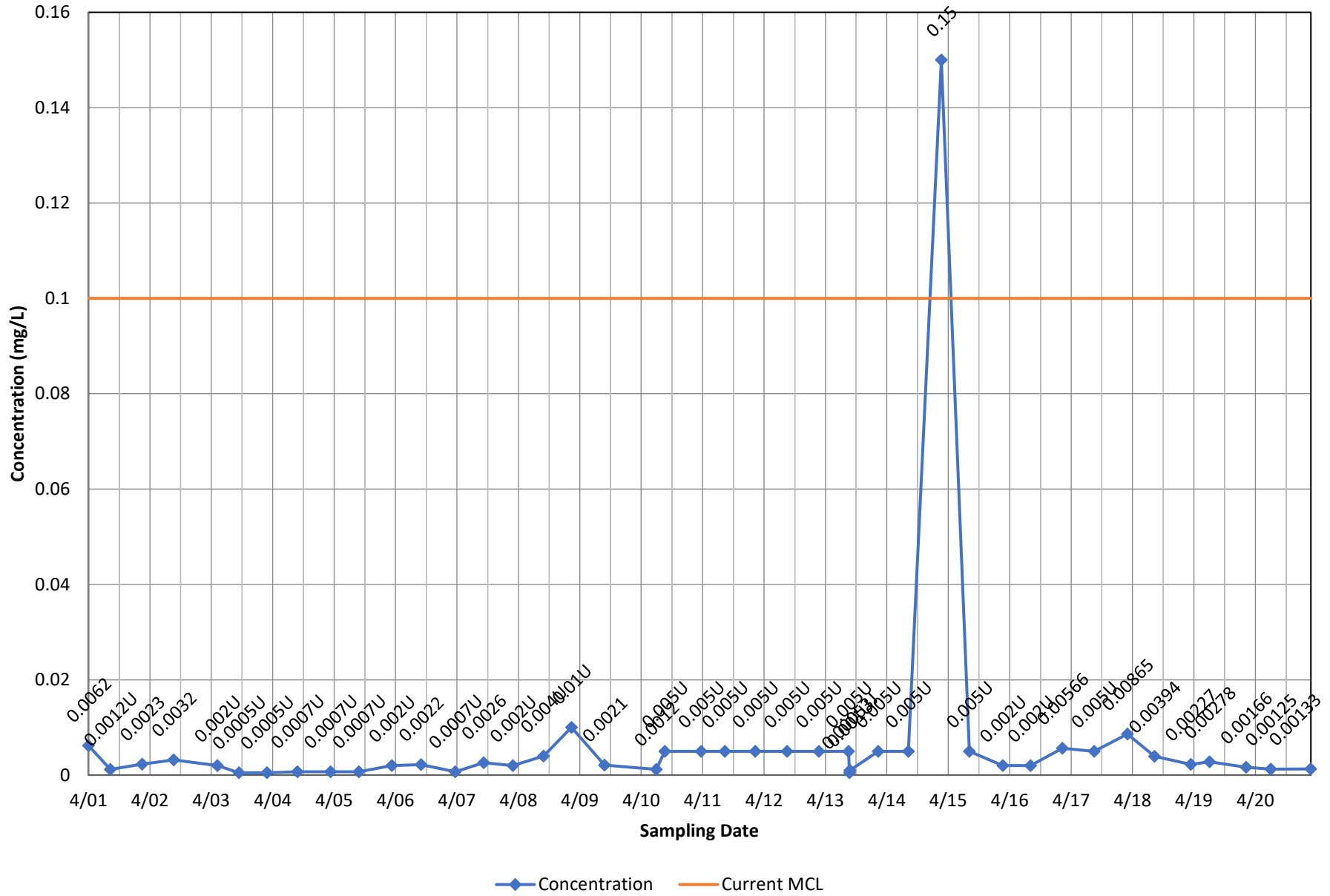
—◆— Concentration — Current MCL

Monitoring Well OB04A - Methylene Chloride

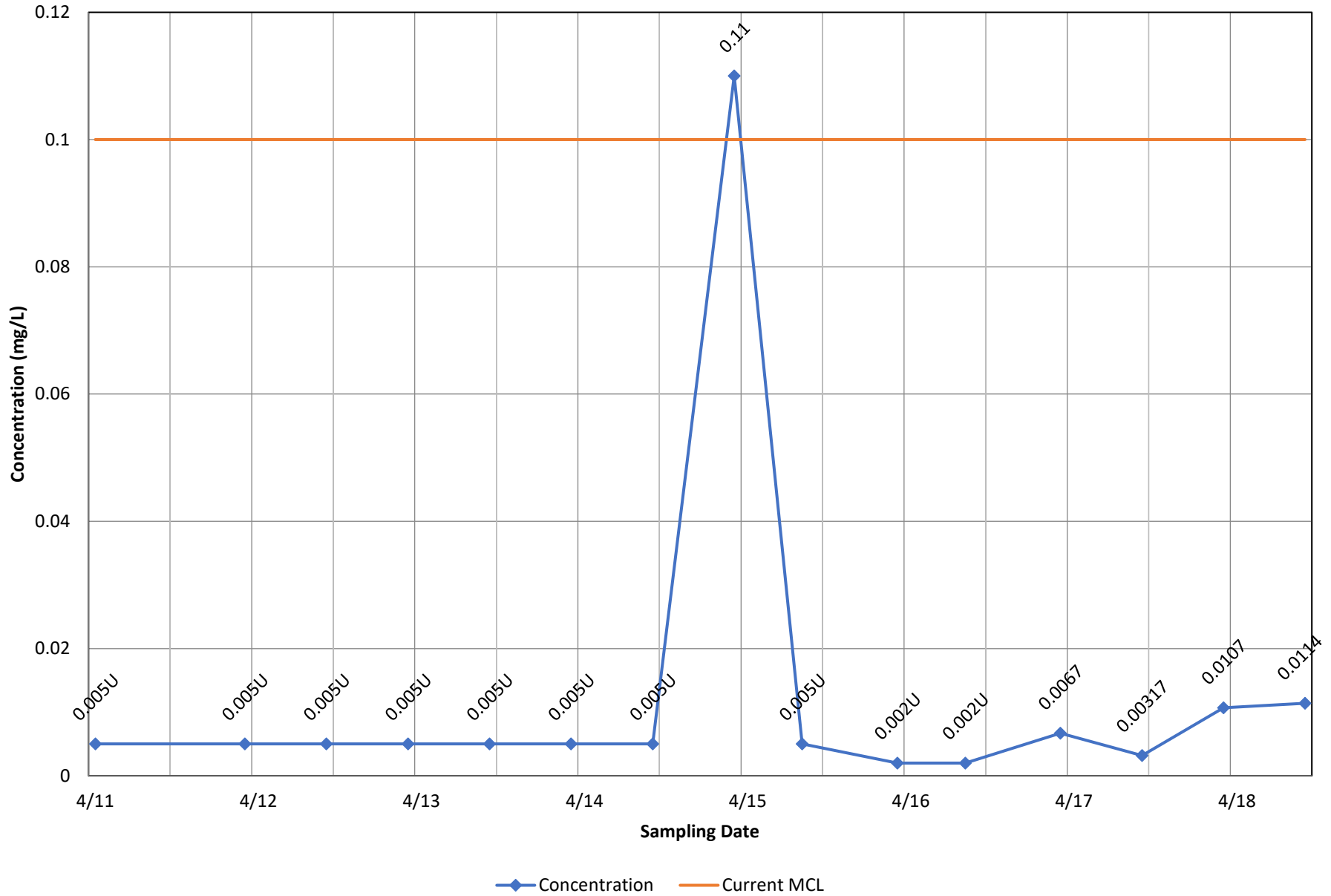


◆ Concentration — Current MCL

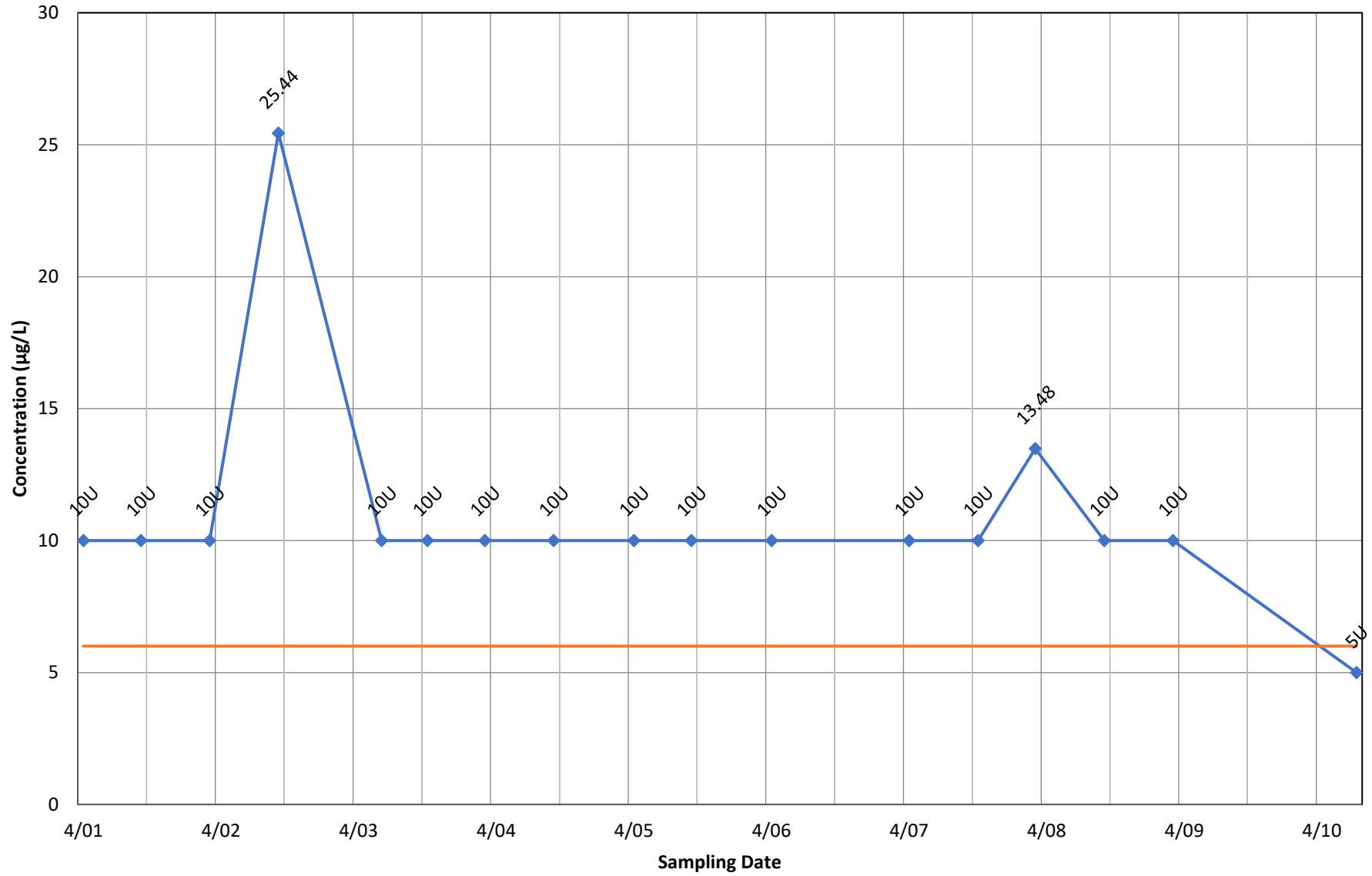
Monitoring Well OB04A - Chromium, total



Monitoring Well OB04A - Chromium, dissolved

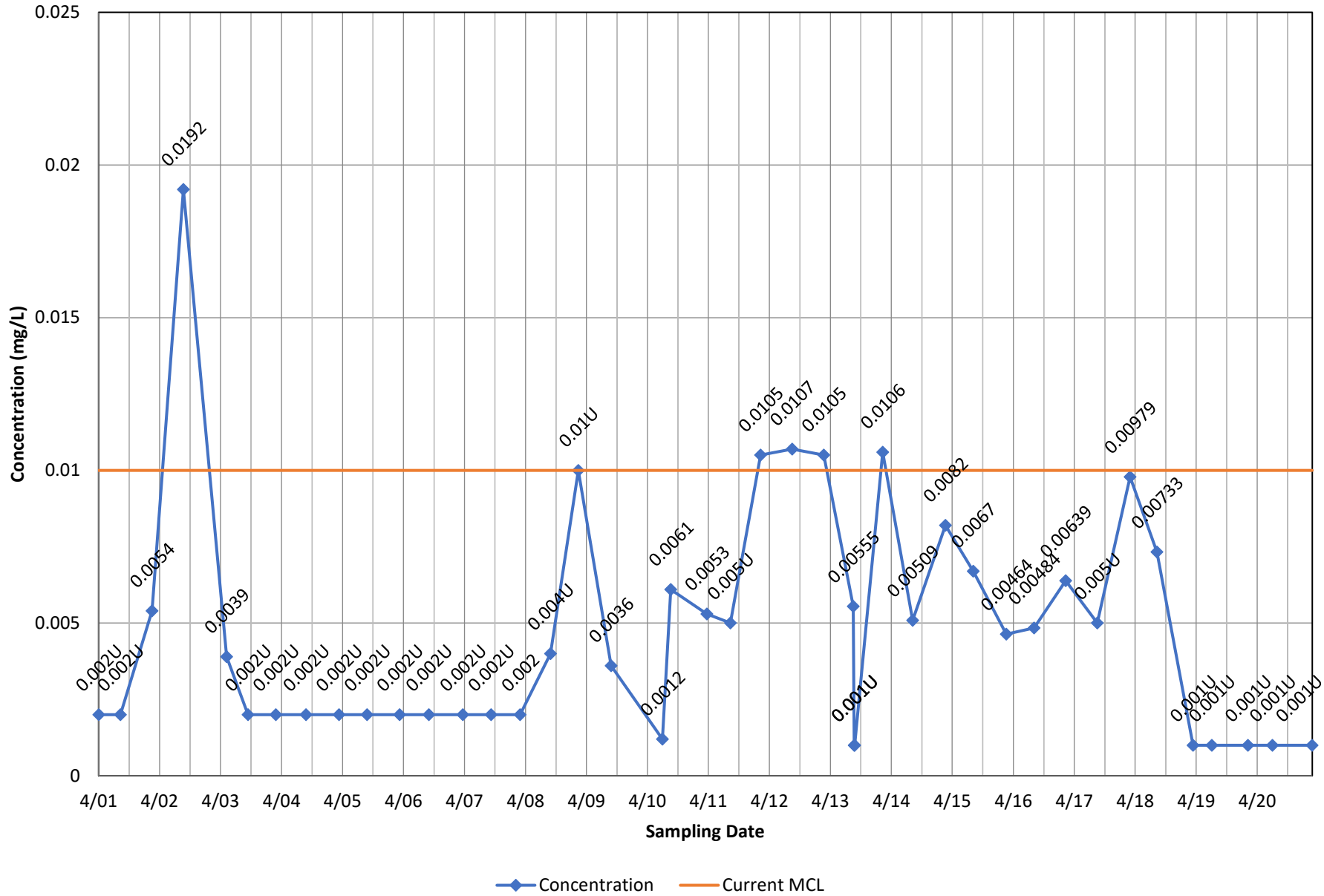


Monitoring Well OB04A - Bis(2-Ethylhexyl) Phthalate

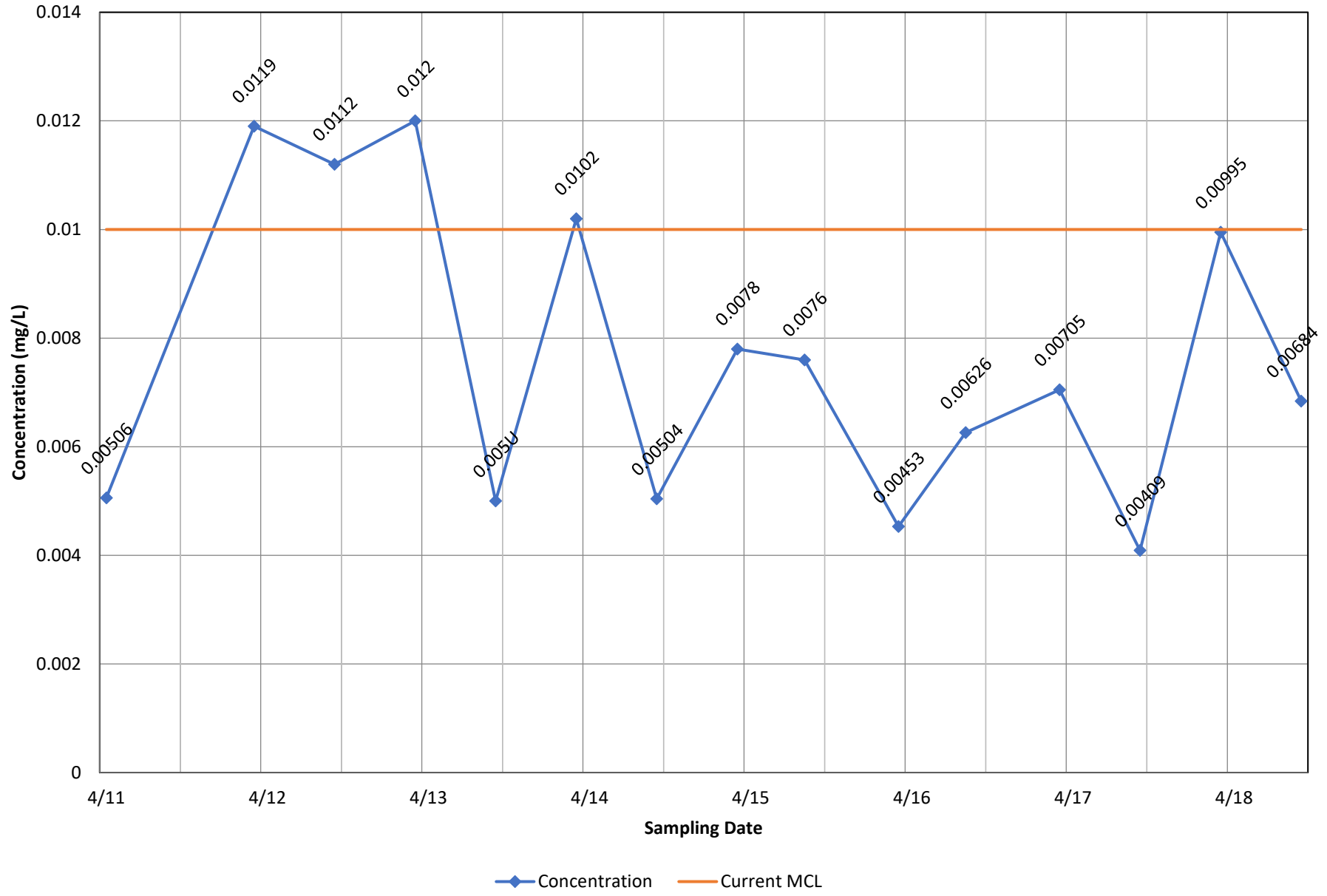


—◆— Concentration — Current MCL

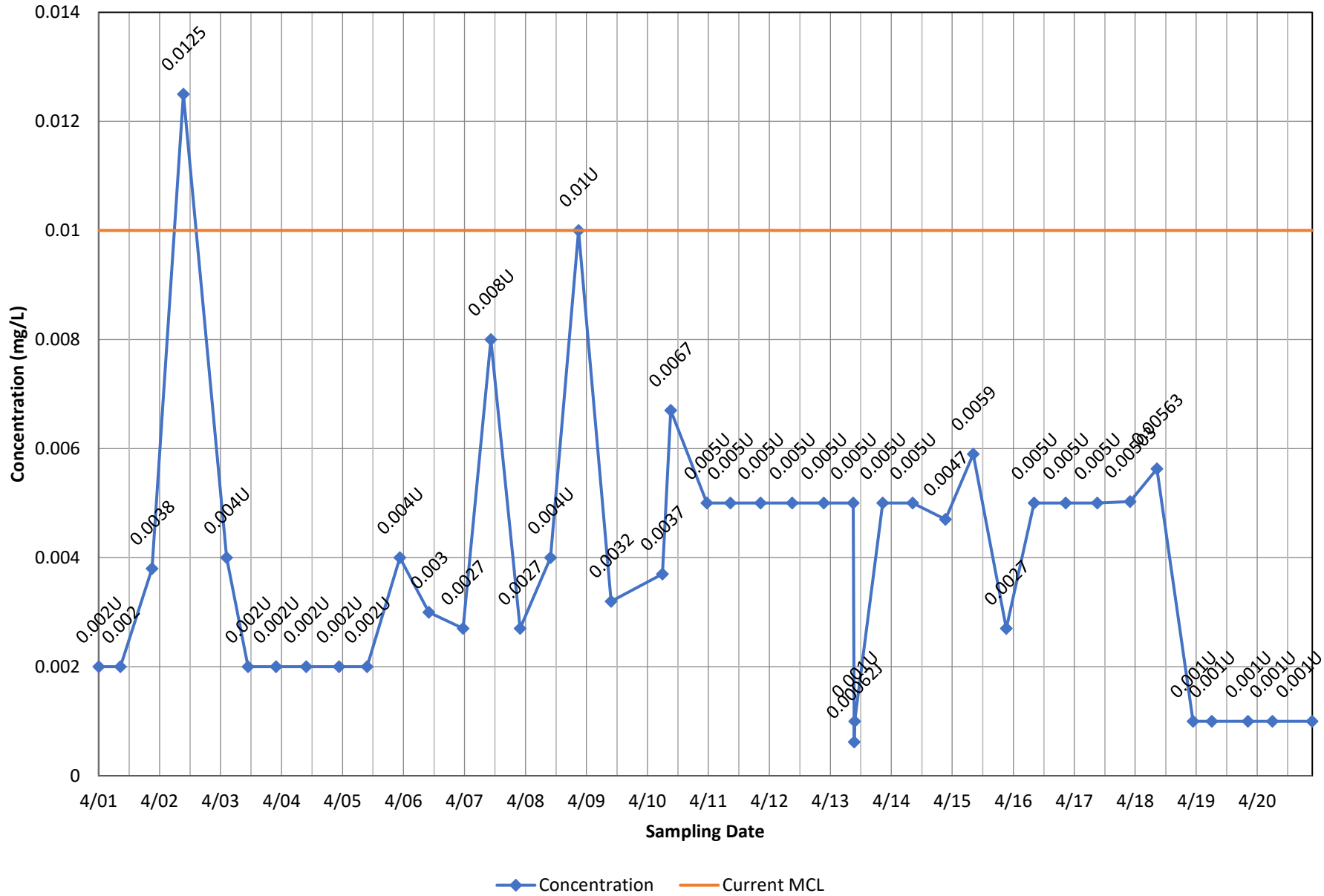
Monitoring Well OB04A - Arsenic, total



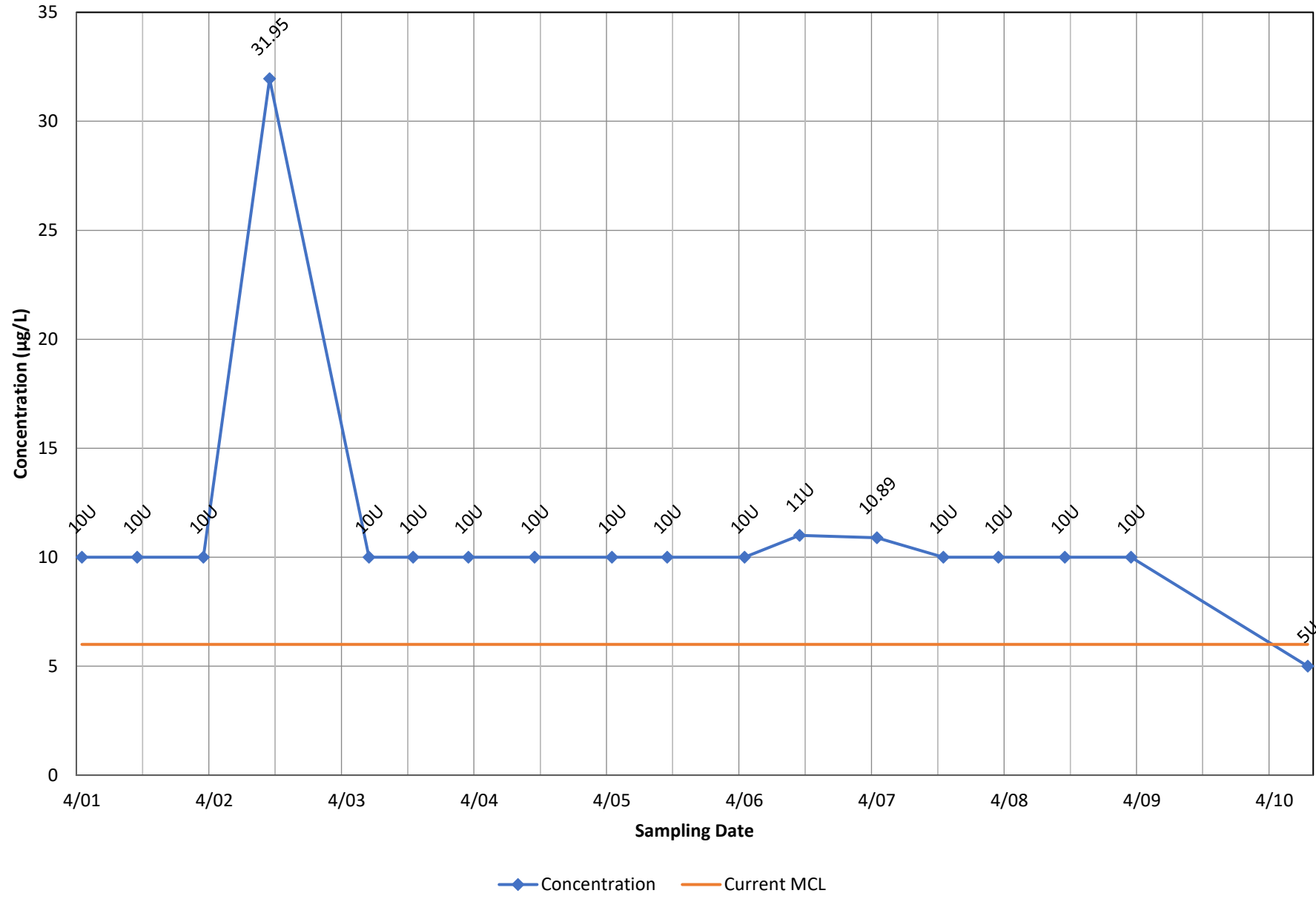
Monitoring Well OB04A - Arsenic, dissolved



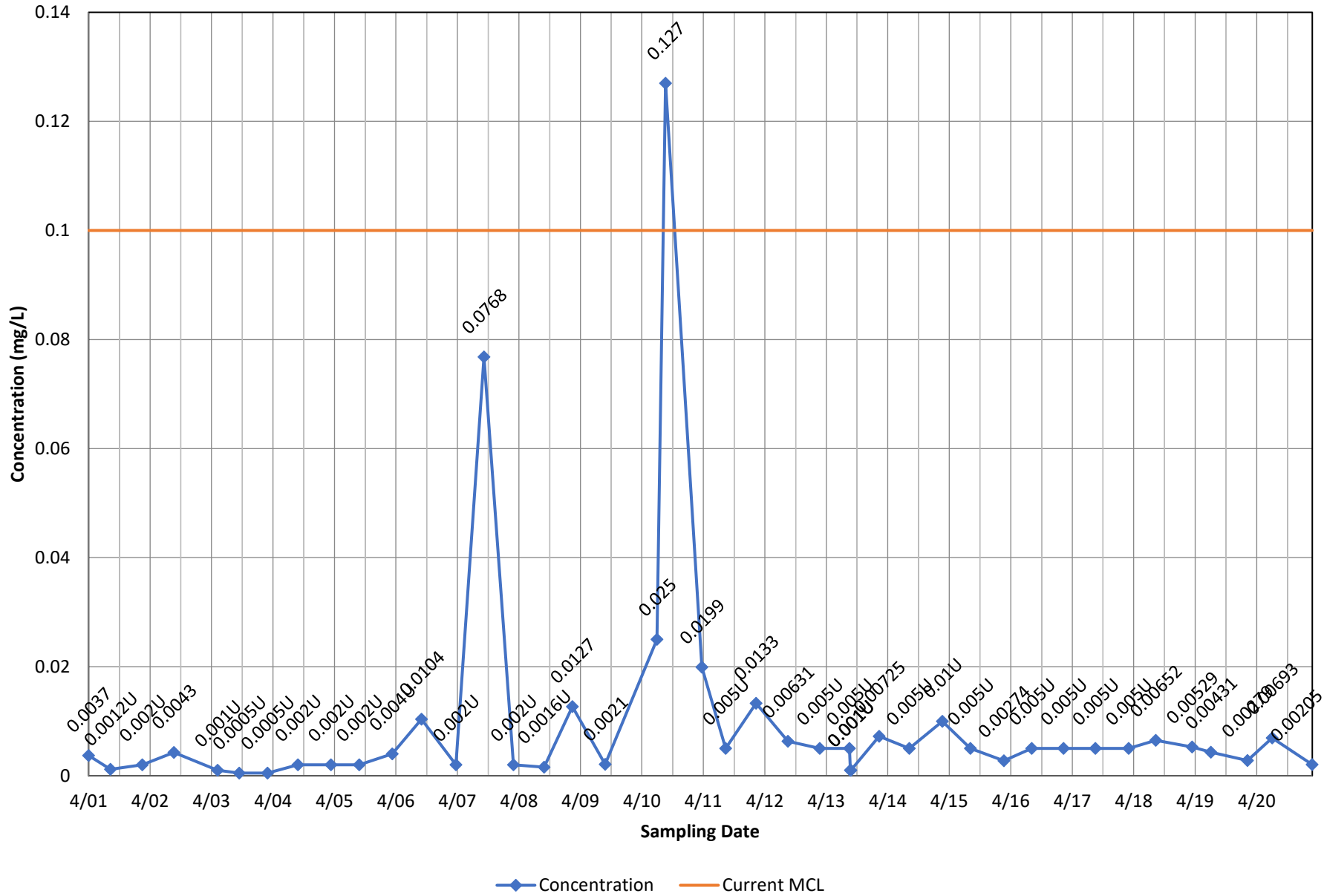
Monitoring Well OB06 - Arsenic, total



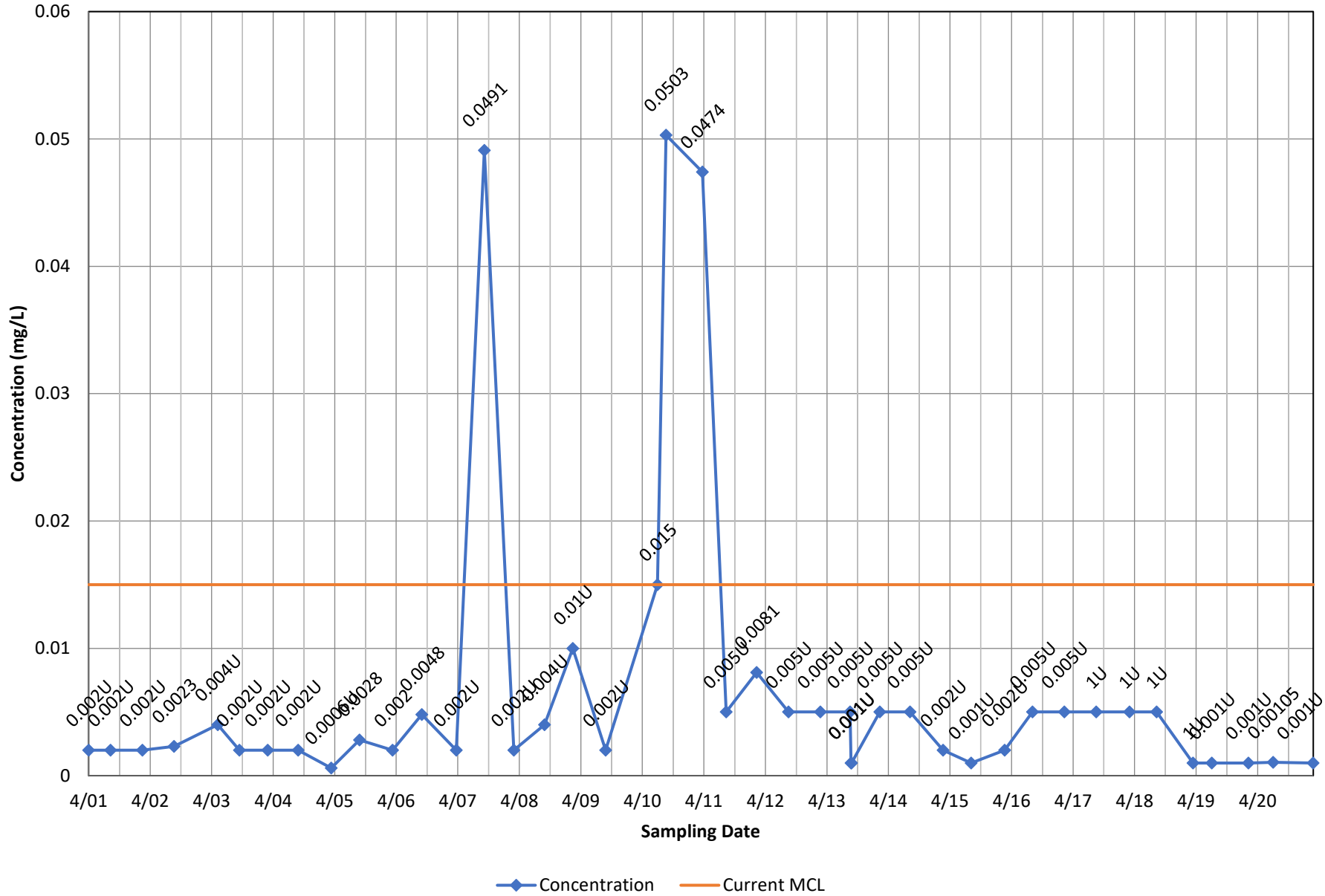
Monitoring Well OB06 - Bis(2-Ethylhexyl) Phthalate



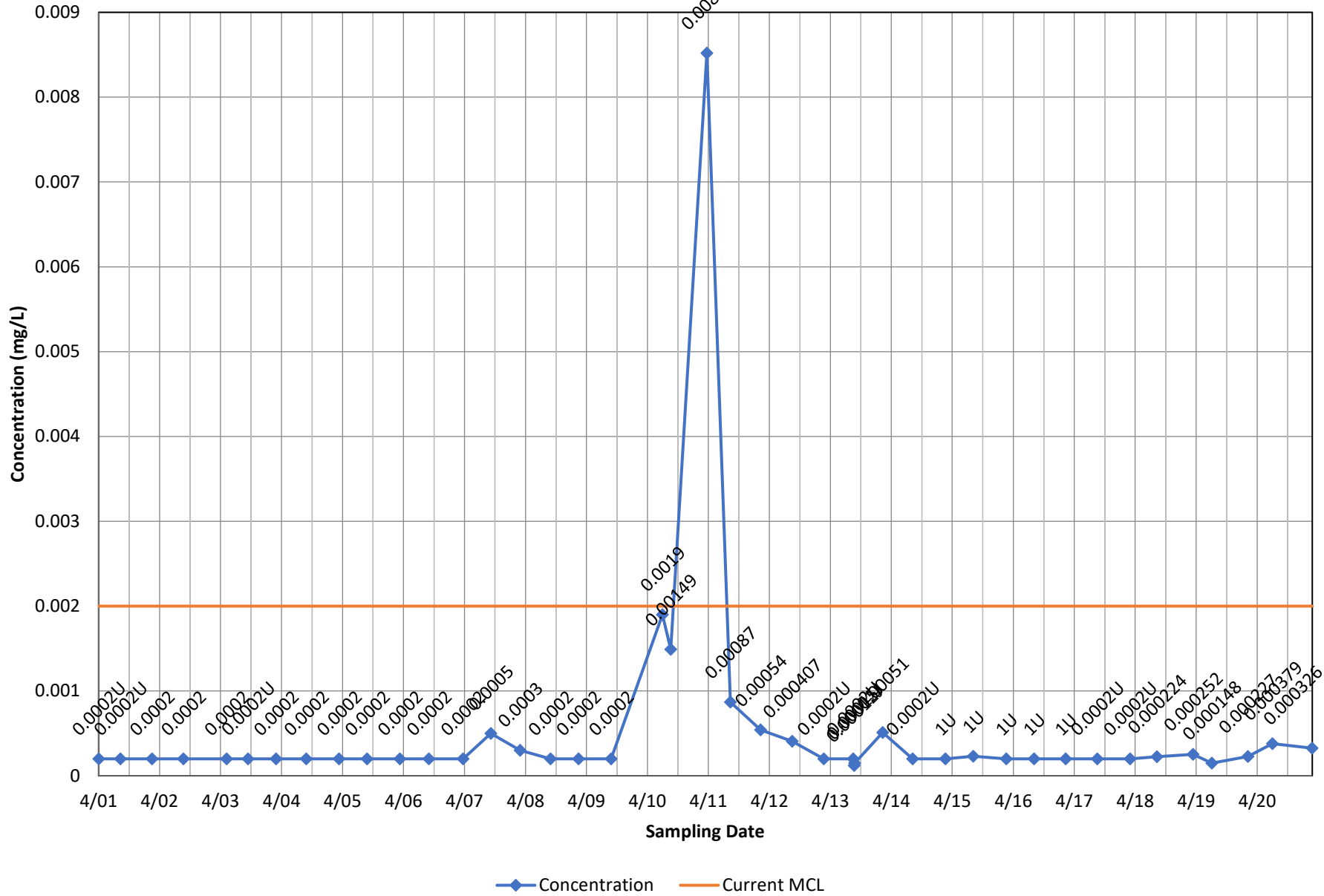
Monitoring Well OB06 - Chromium, total



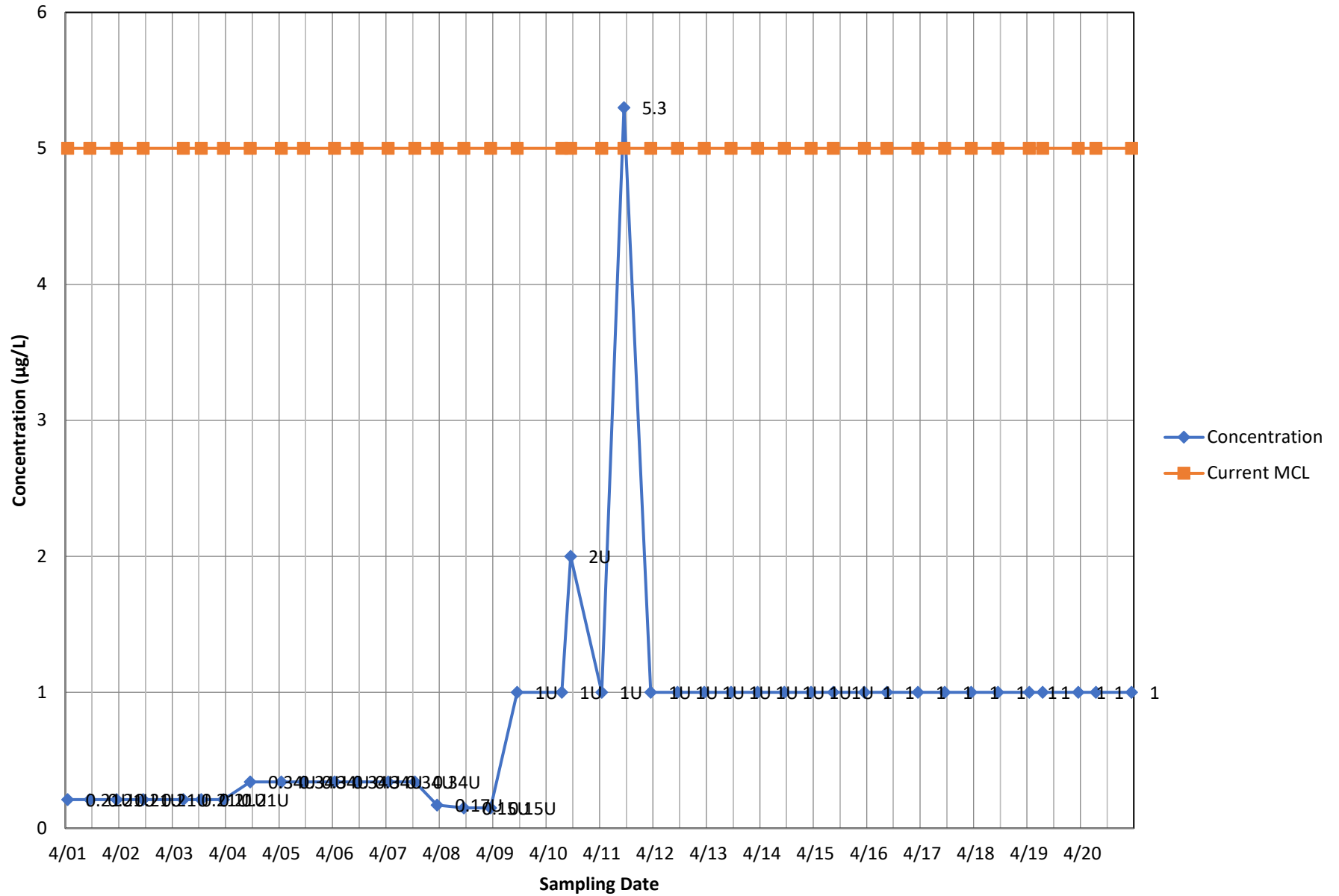
Monitoring Well OB06 - Lead, total



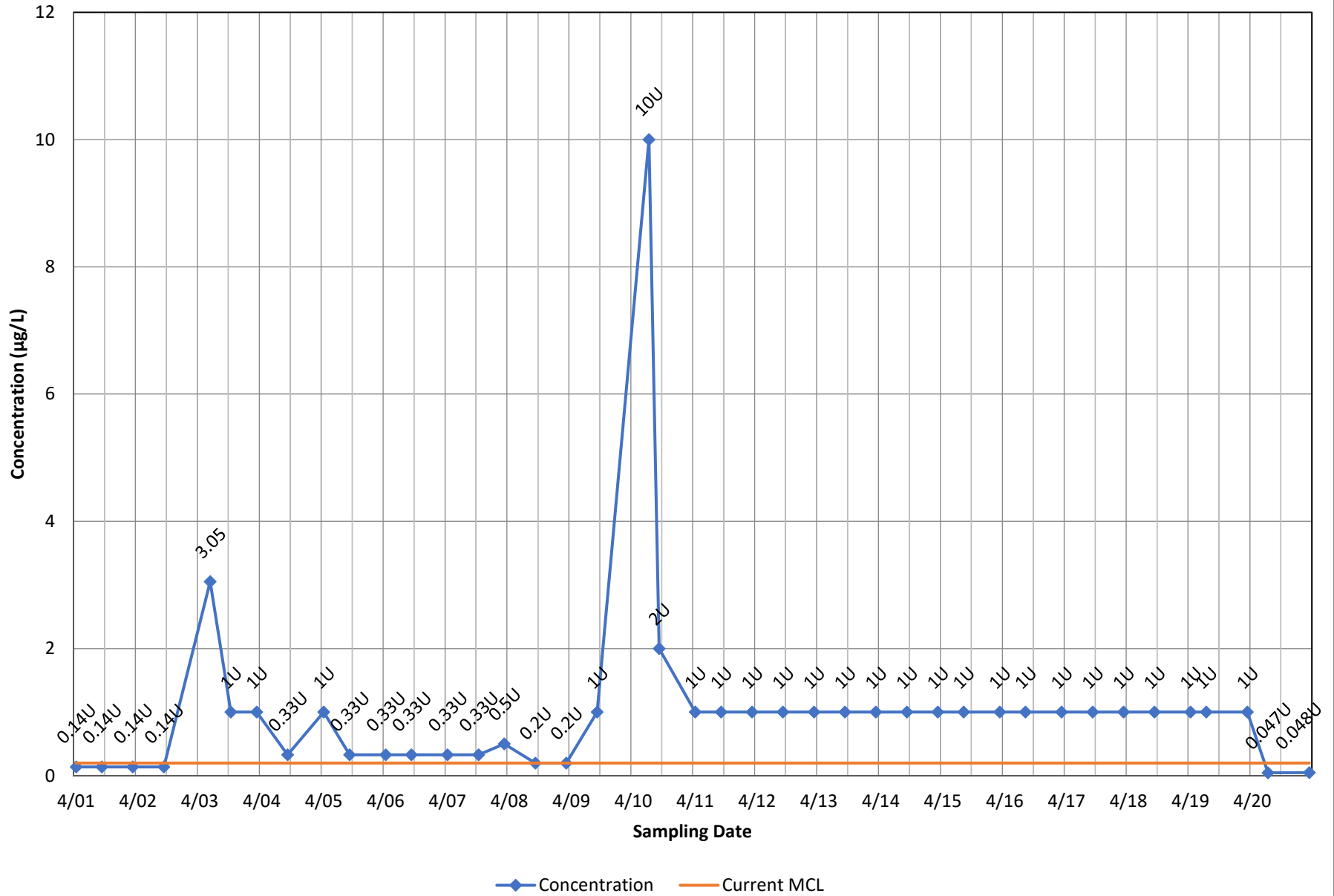
Monitoring Well OB06 - Mercury, total



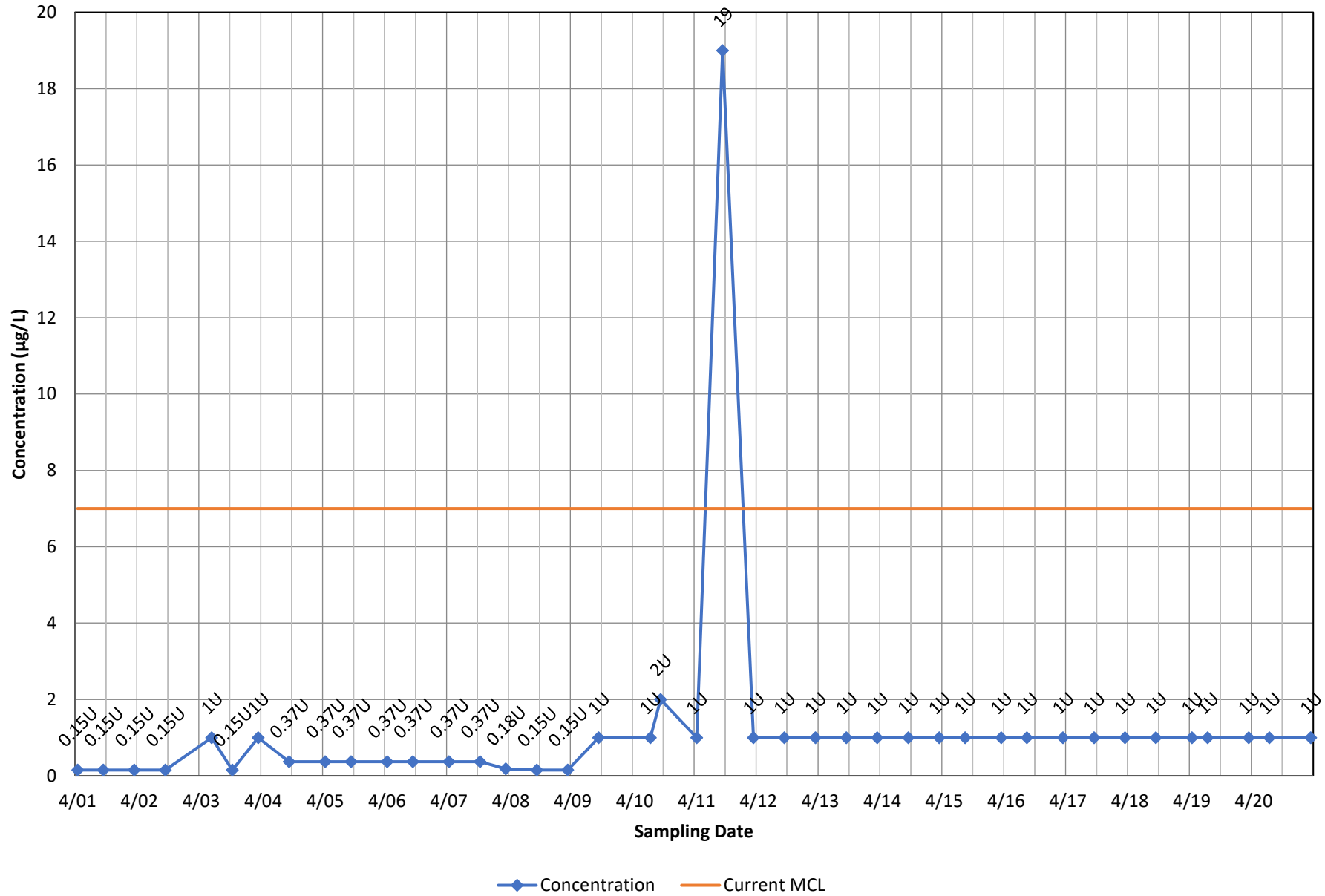
Monitoring Well OB07 - 1,2-Dichloropropane



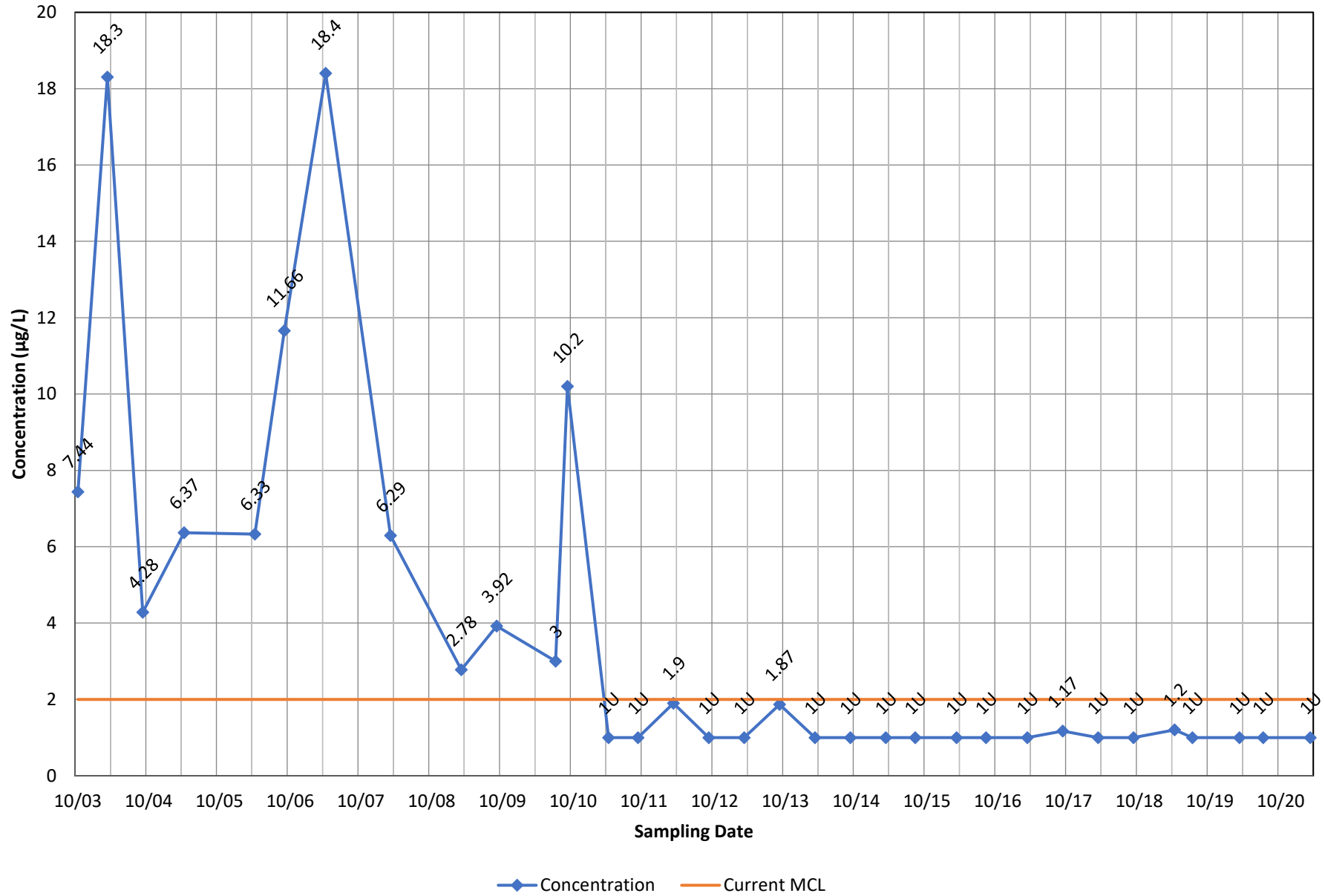
Monitoring Well OB07 - 1,2-Dibromo-3-chloropropane



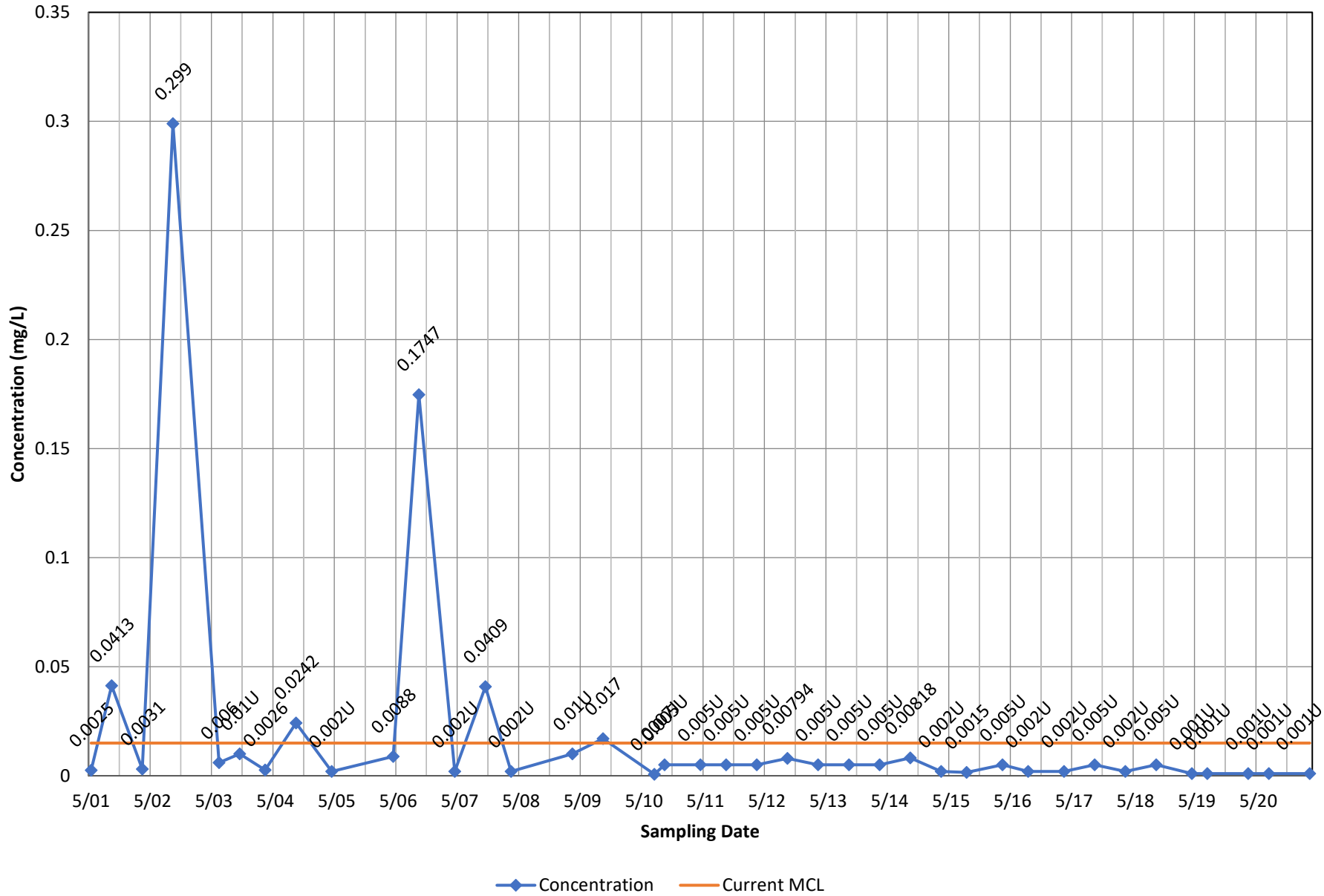
Monitoring Well OB07 - 1,1-Dichloroethene



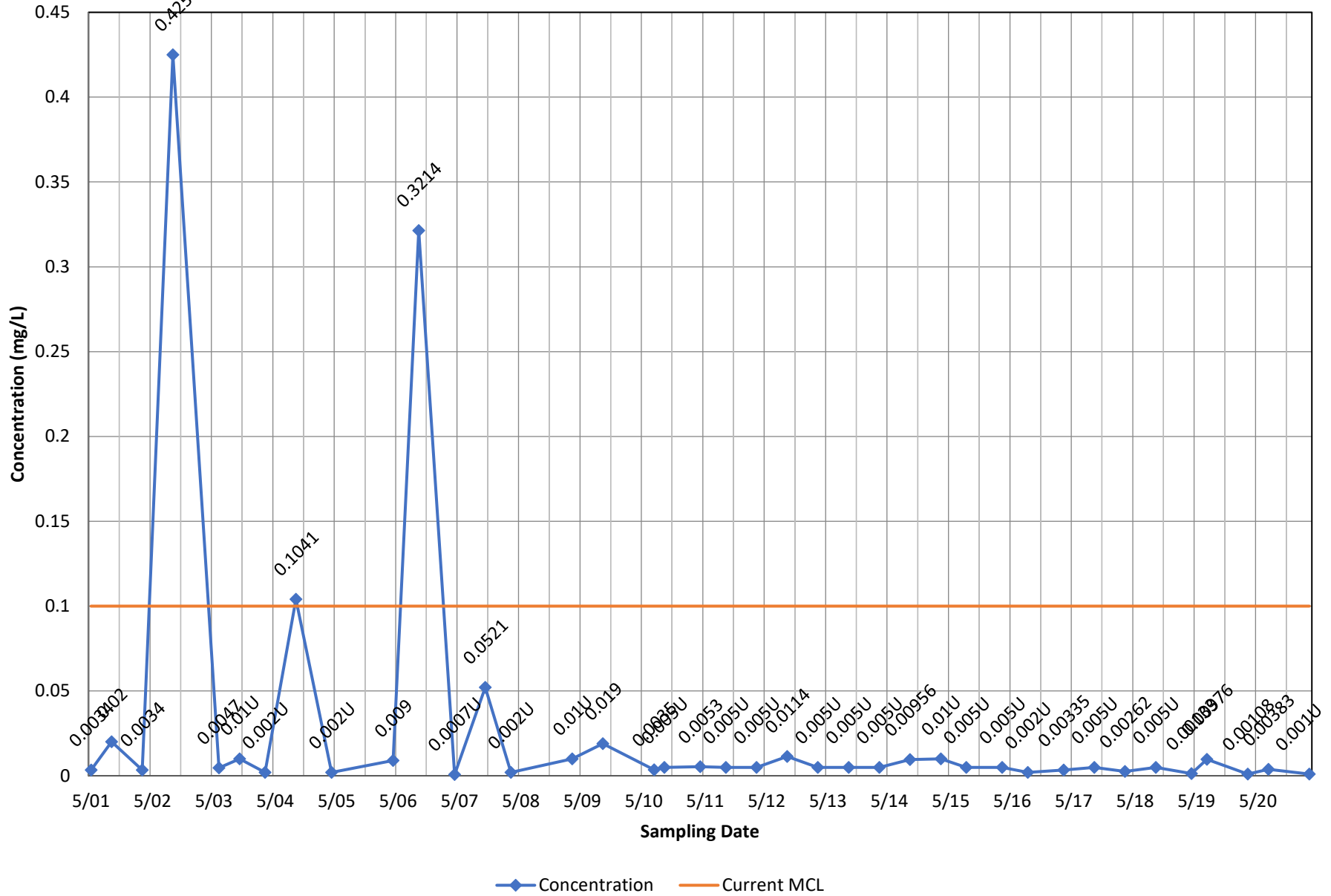
Monitoring Well OB015 - Vinyl Chloride



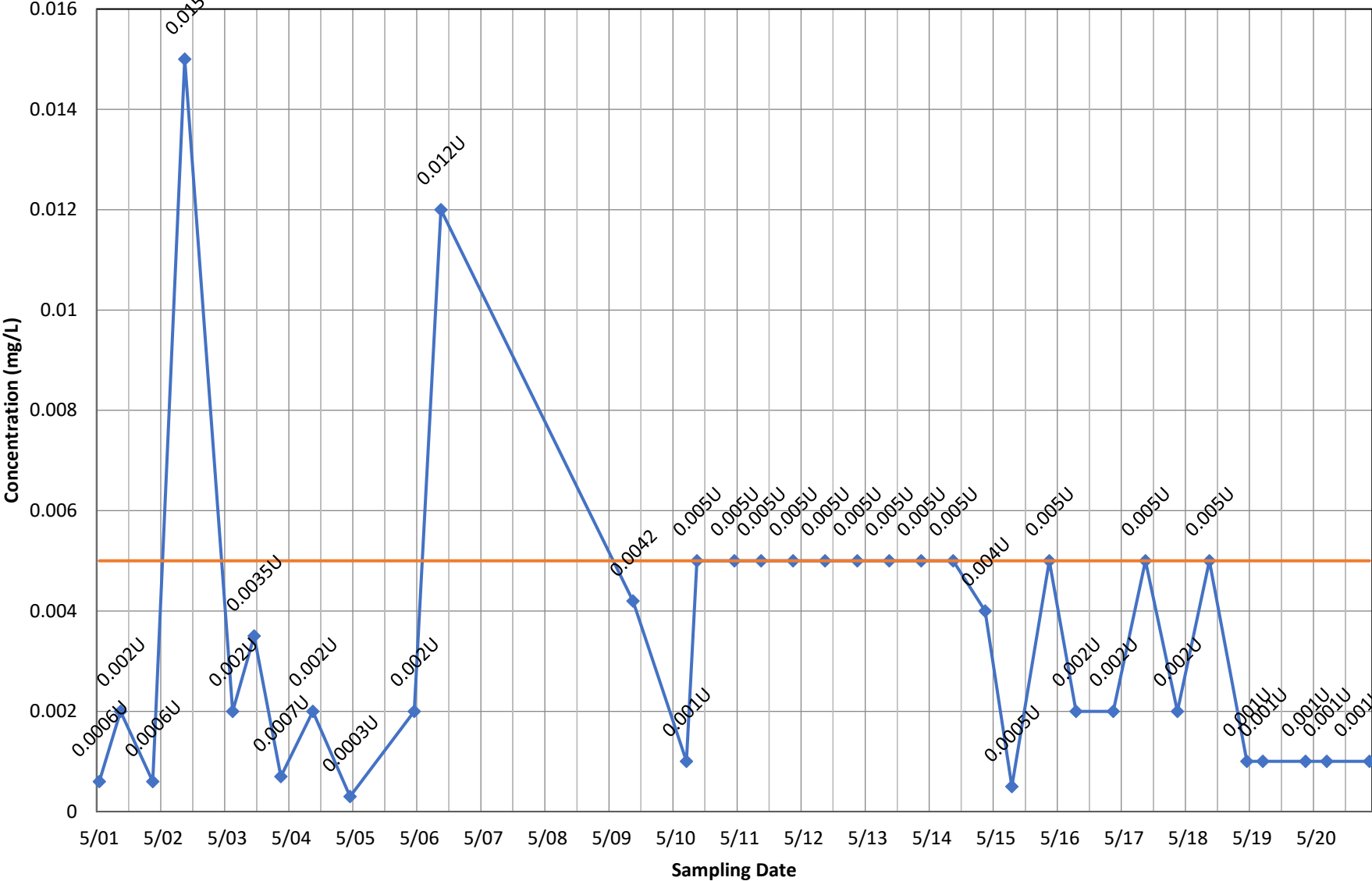
Monitoring Well OB015 - Lead, total



Monitoring Well OB015 - Chromium, total

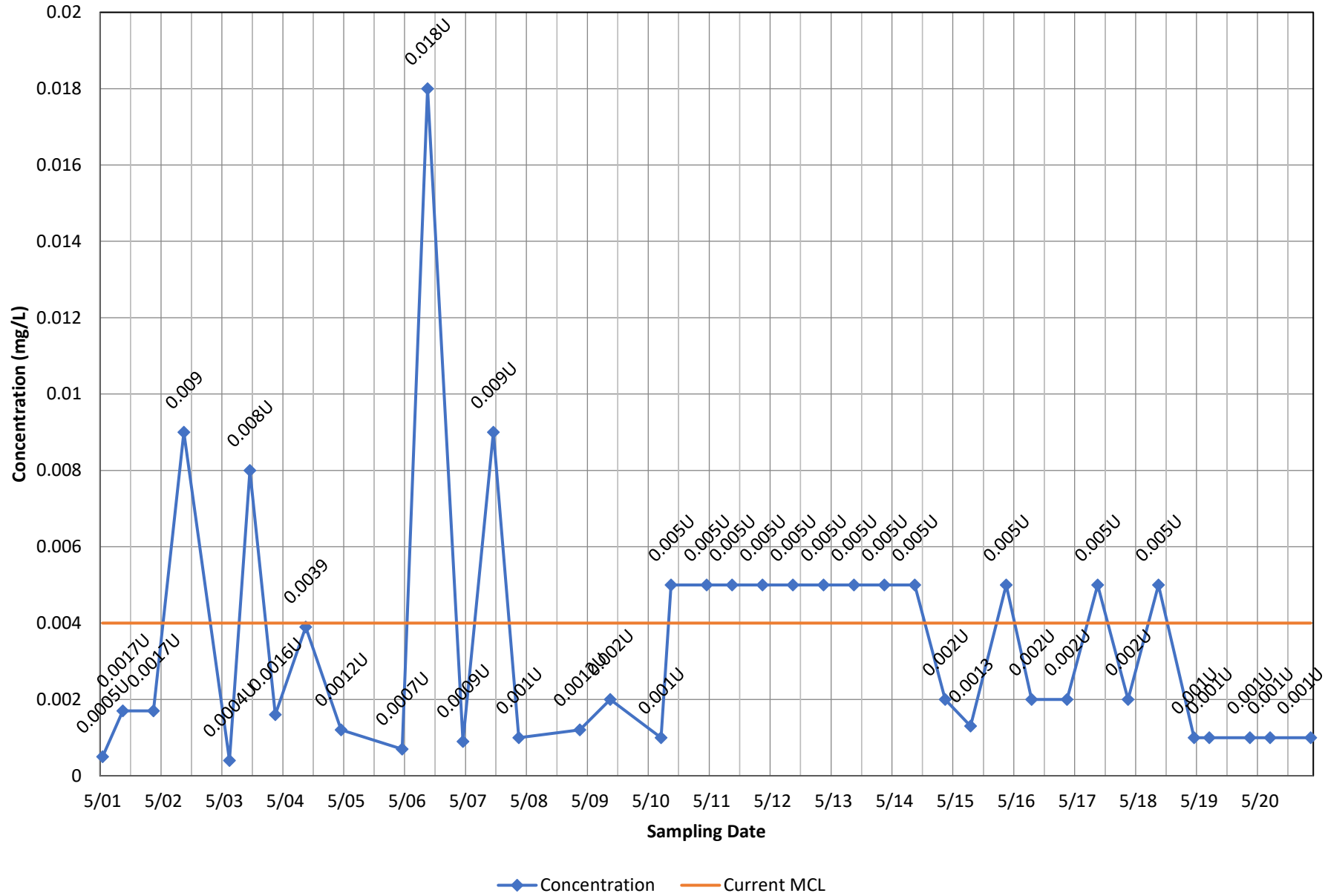


Monitoring Well OB015 - Cadmium, total

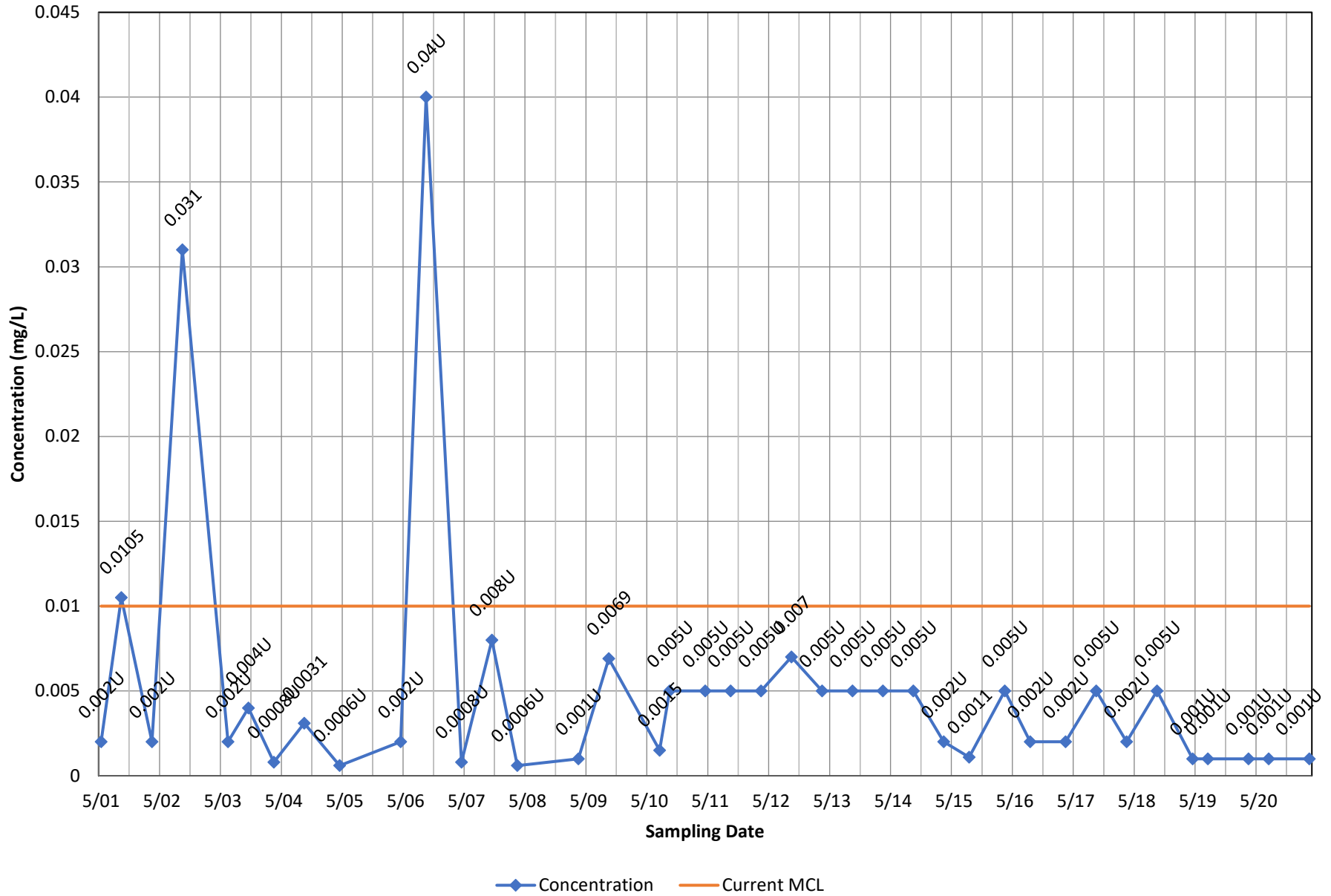


◆ Concentration — Current MCL

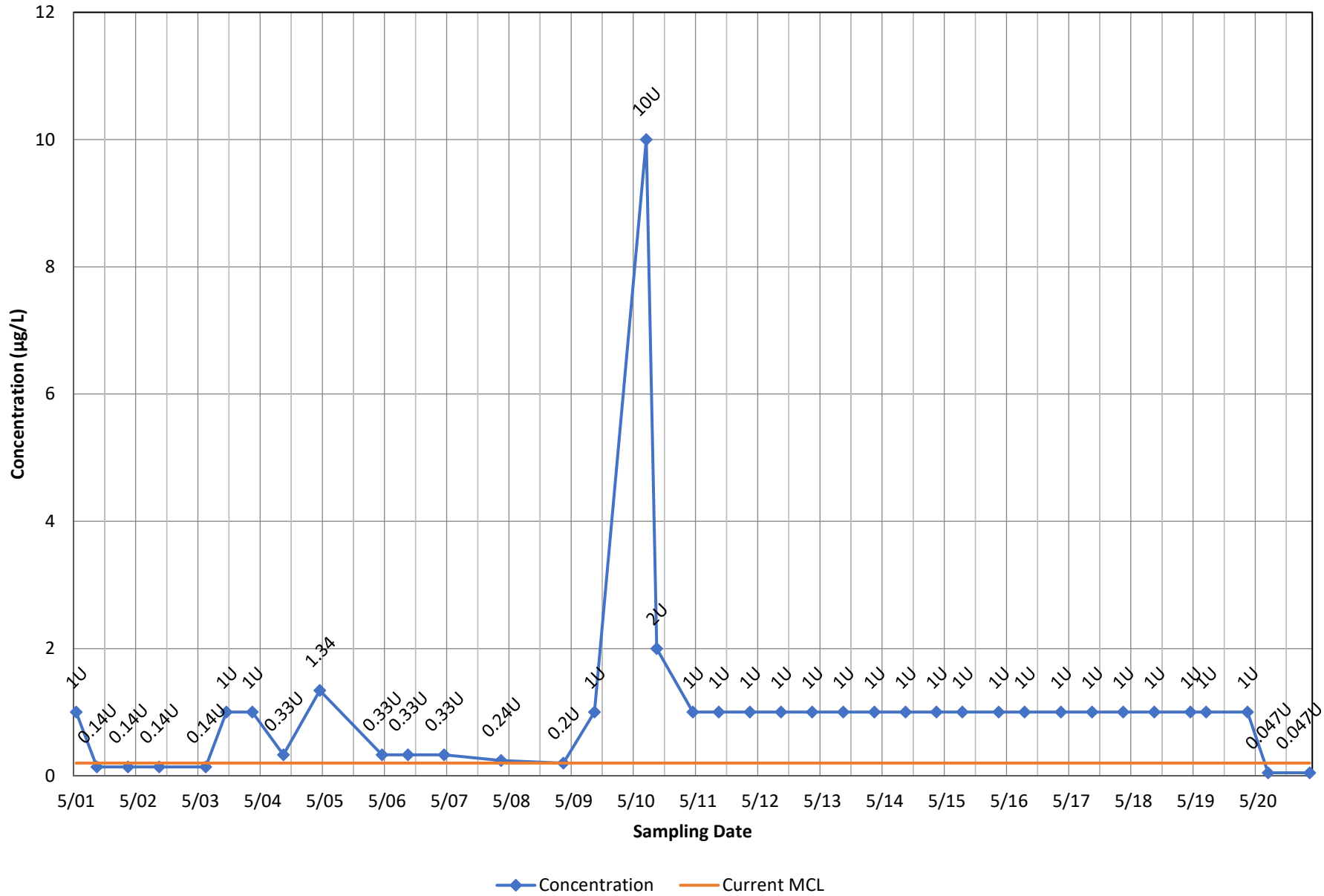
Monitoring Well OB015 - Beryllium, total



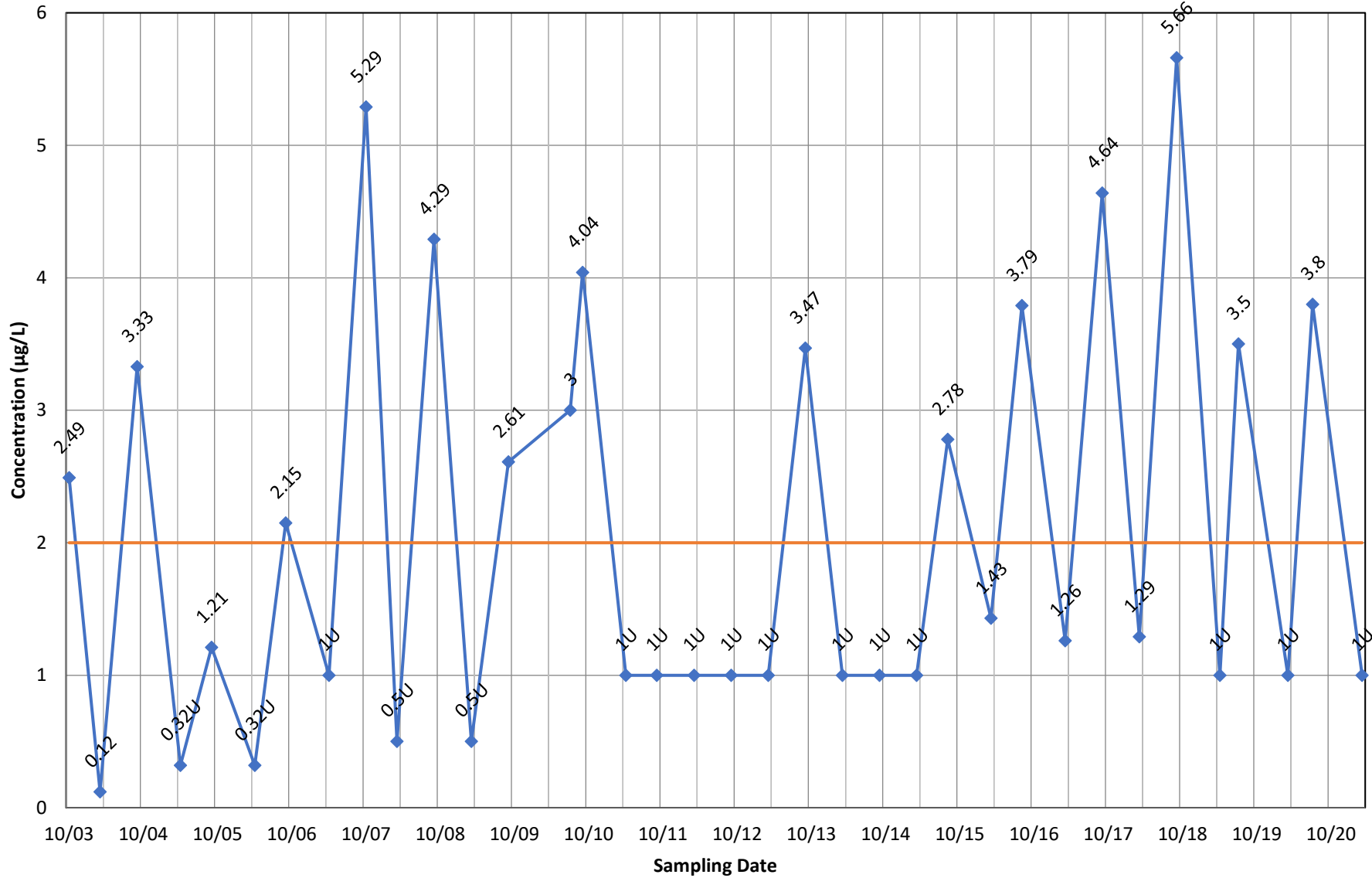
Monitoring Well OB015 - Arsenic, total



Monitoring Well OB015 - 1,2-Dibromo-3-chloropropane

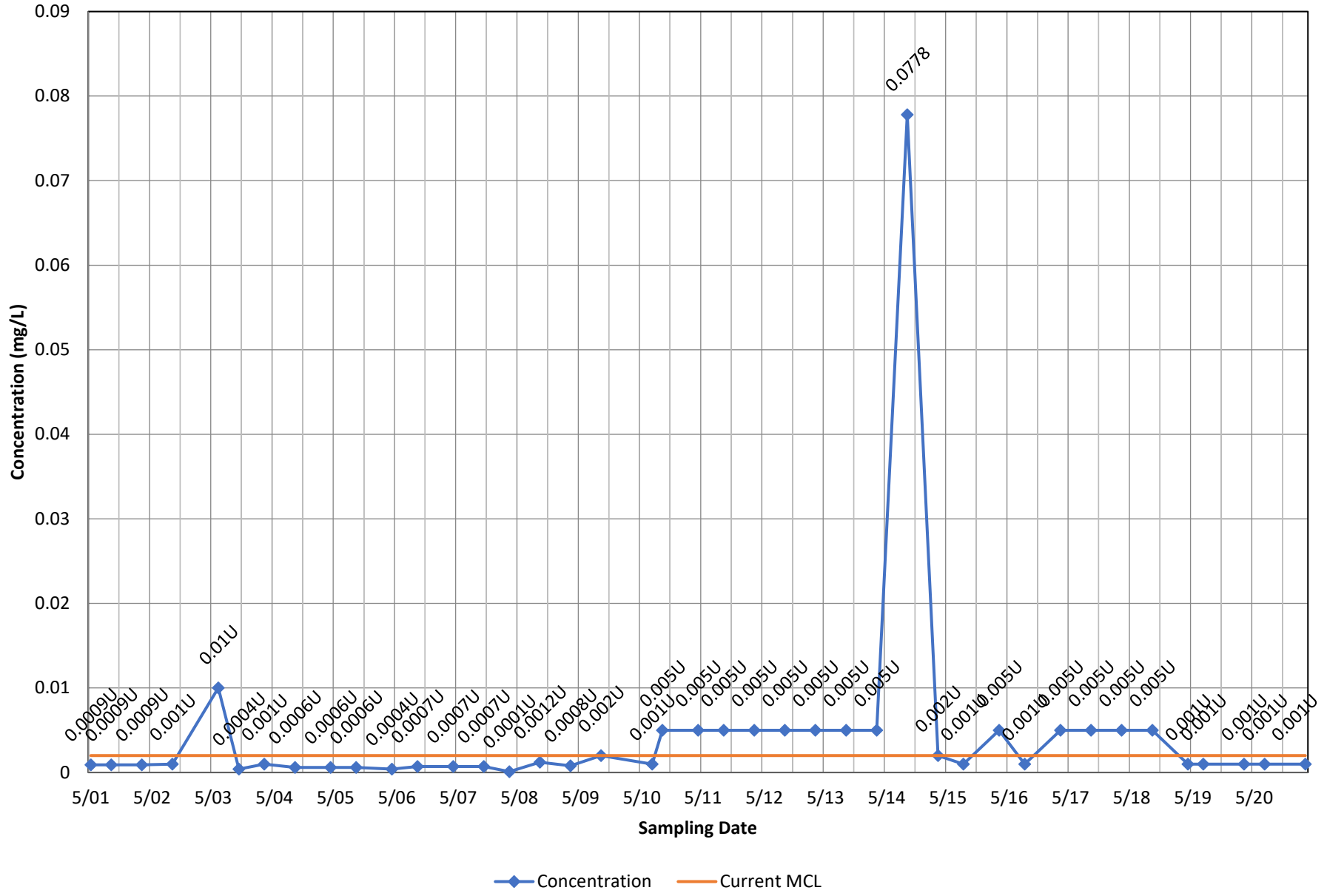


Monitoring Well OB025 - Vinyl Chloride

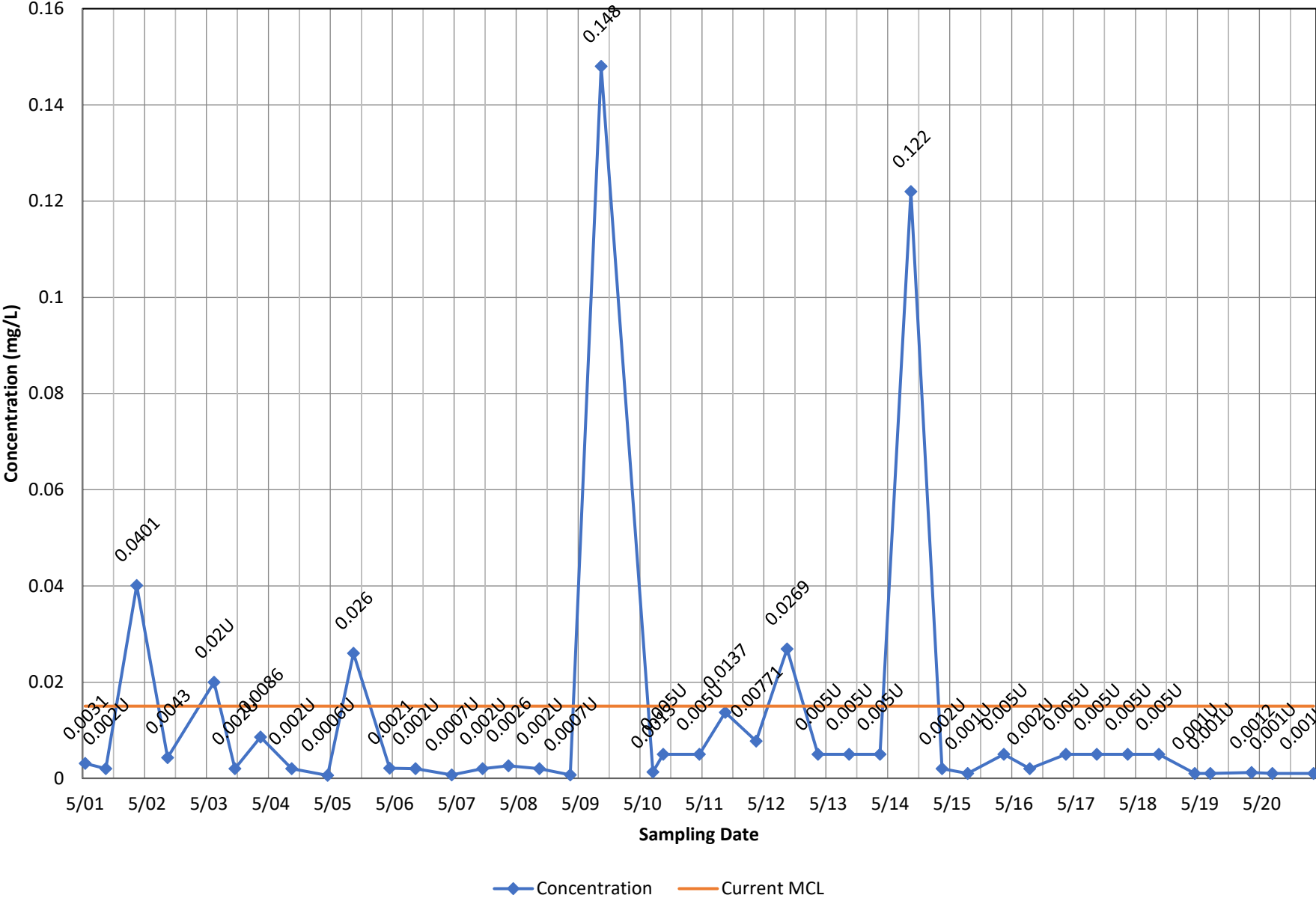


◆ Concentration — Current MCL

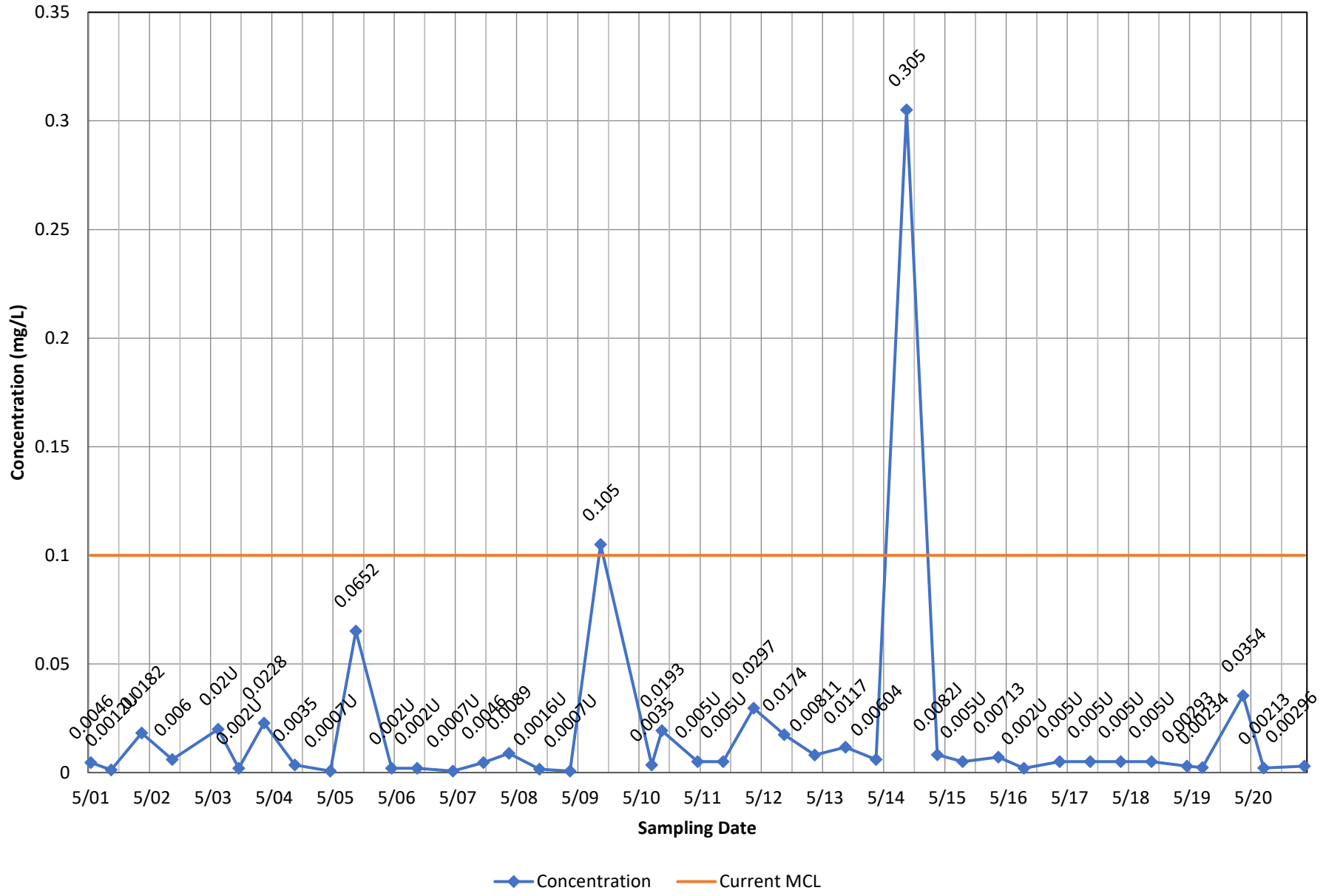
Monitoring Well OB025 - Thallium, total



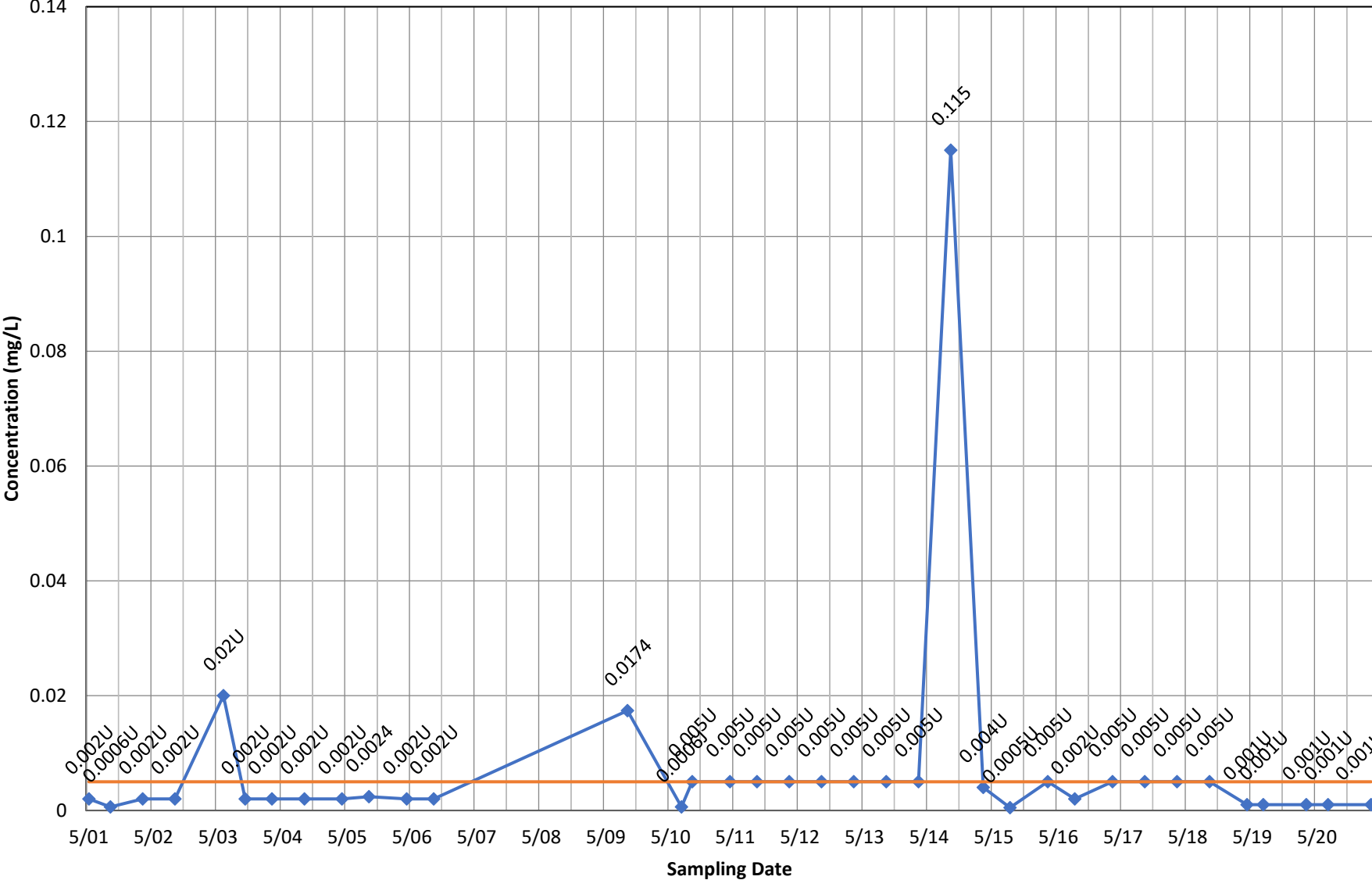
Monitoring Well OB025 - Lead, total



Monitoring Well OB025 - Chromium, total

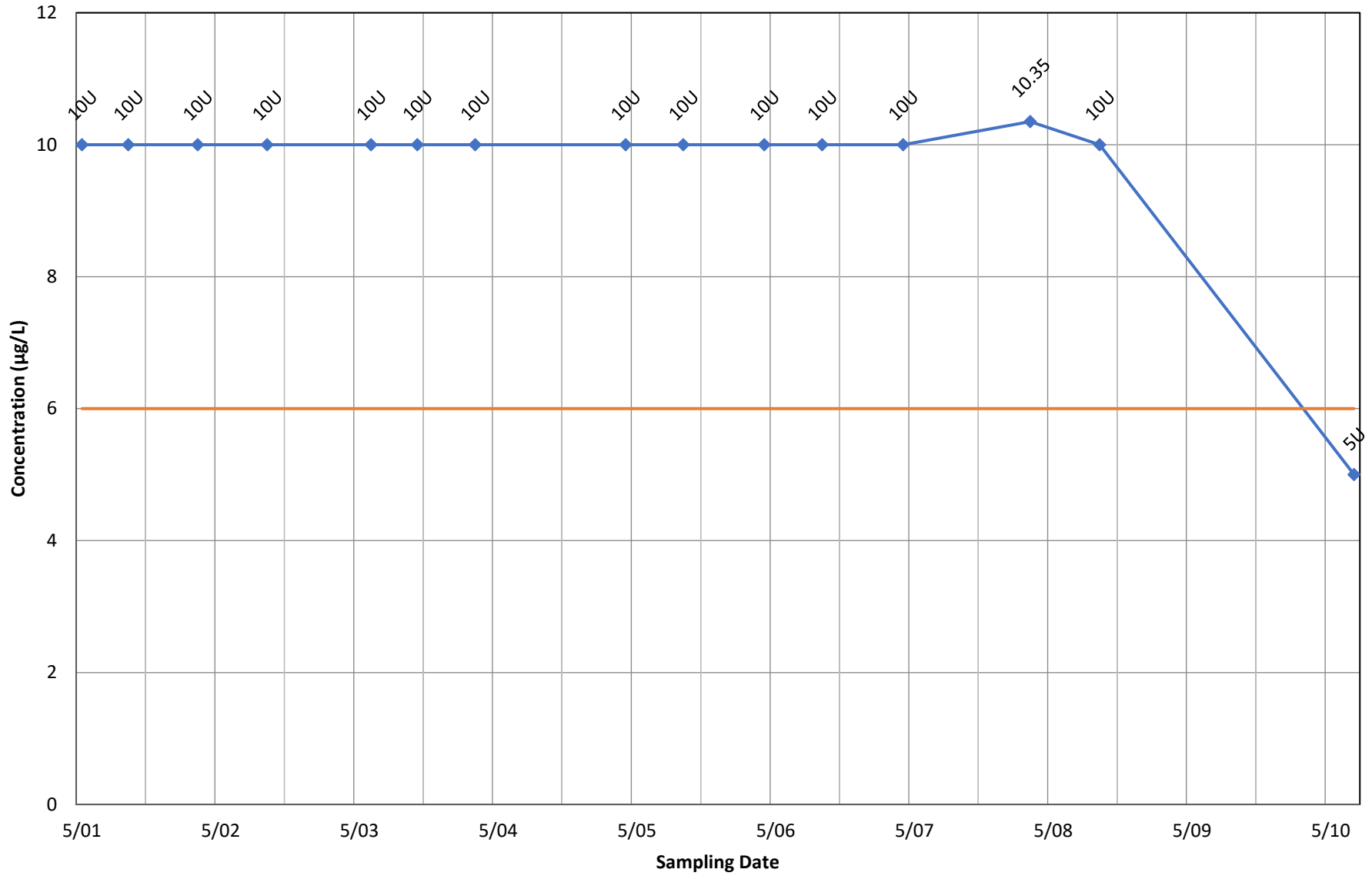


Monitoring Well OB025 - Cadmium, total



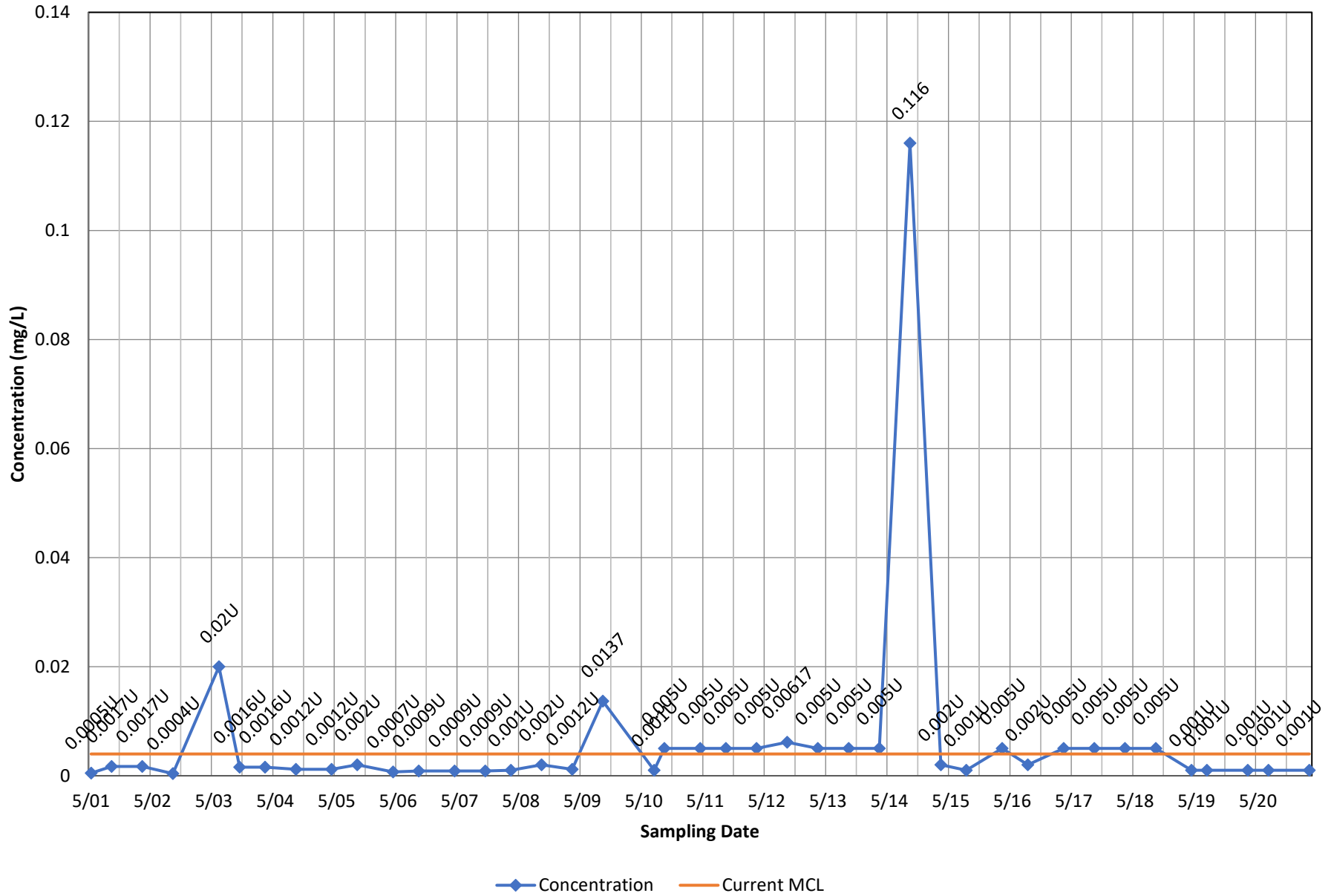
—◆— Concentration — Current MCL

Monitoring Well OB025 - Bis(2-Ethylhexyl) Phthalate

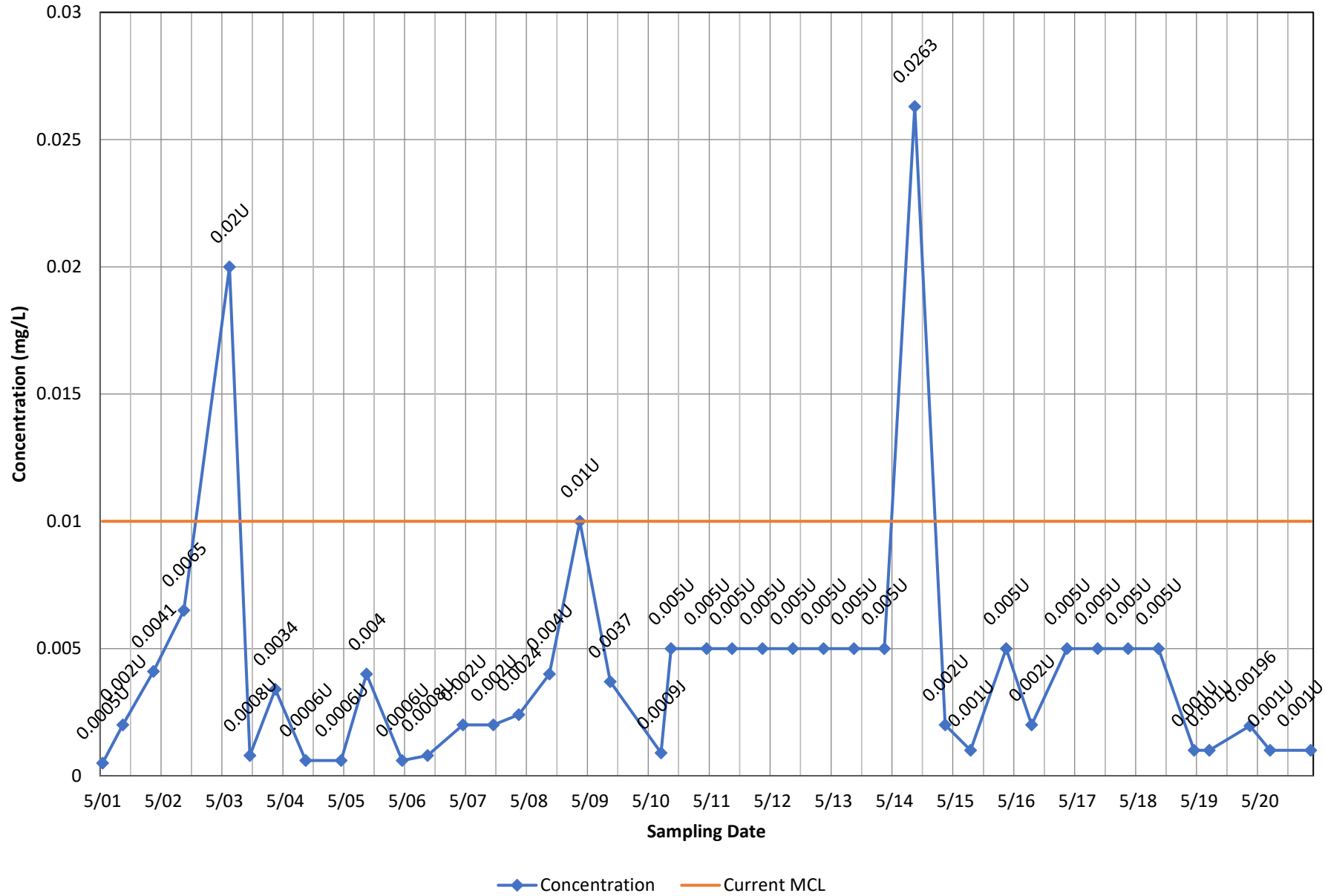


◆ Concentration — Current MCL

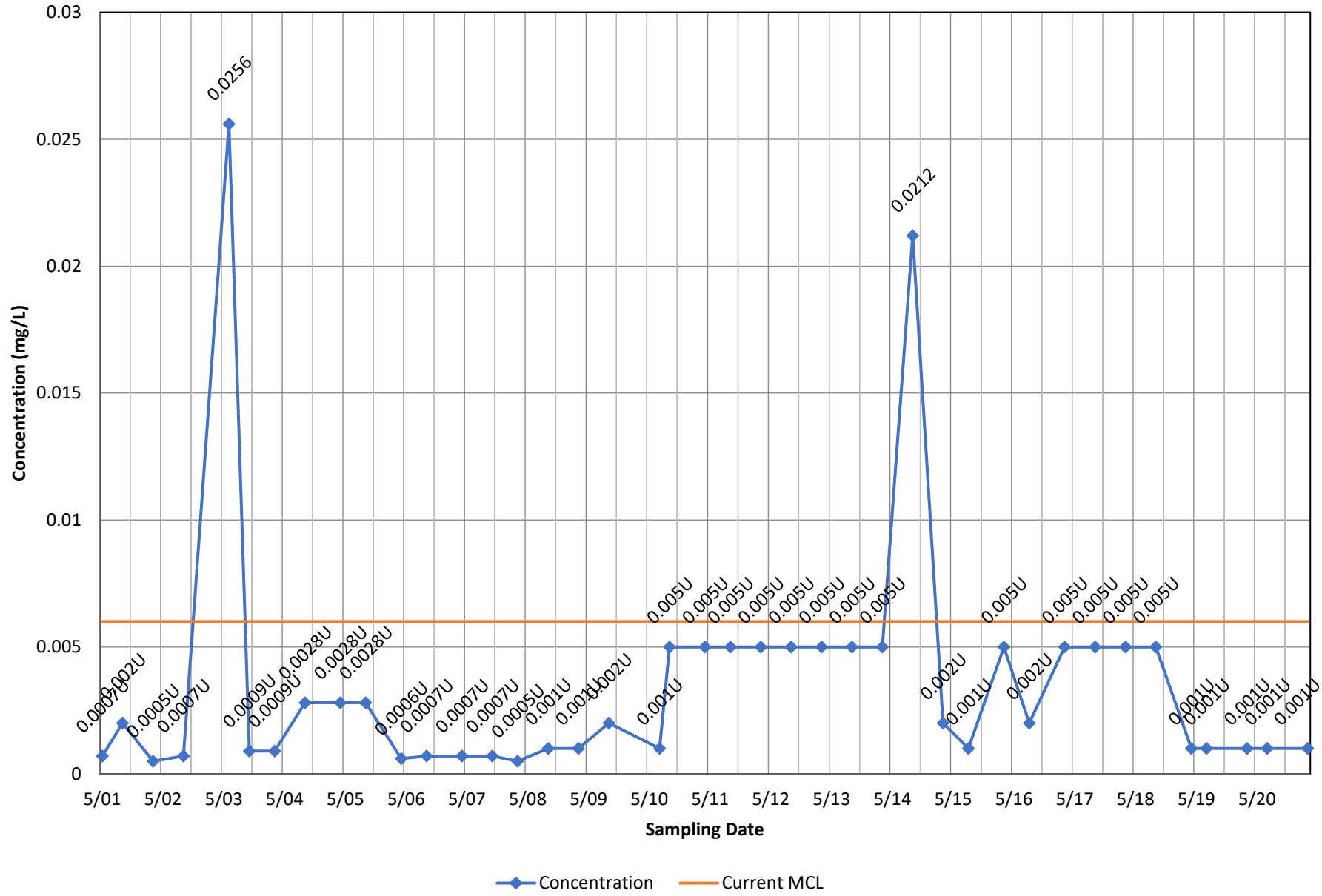
Monitoring Well OB025 - Beryllium, total



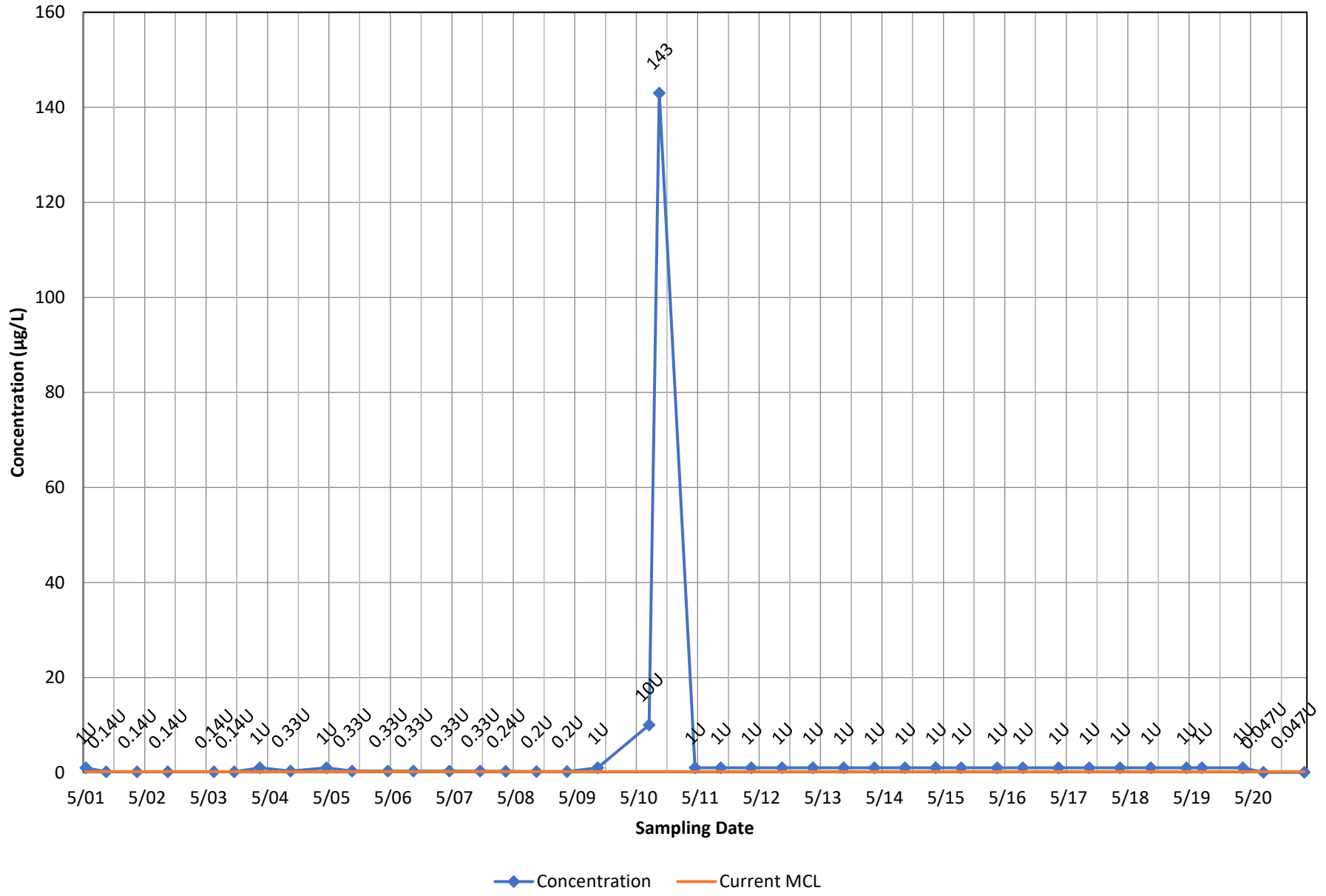
Monitoring Well OB025 - Arsenic, total



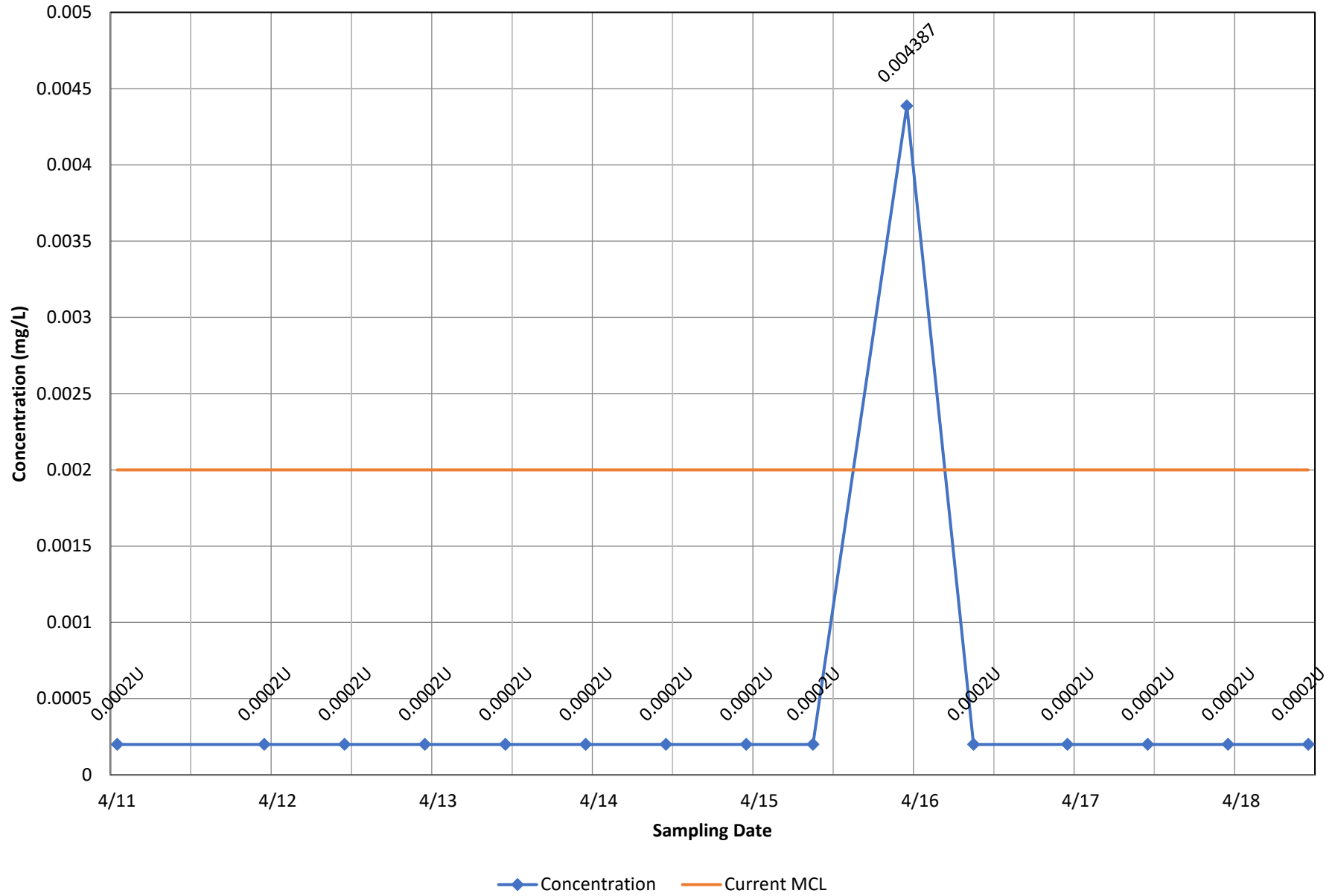
Monitoring Well OB025 - Antimony, total



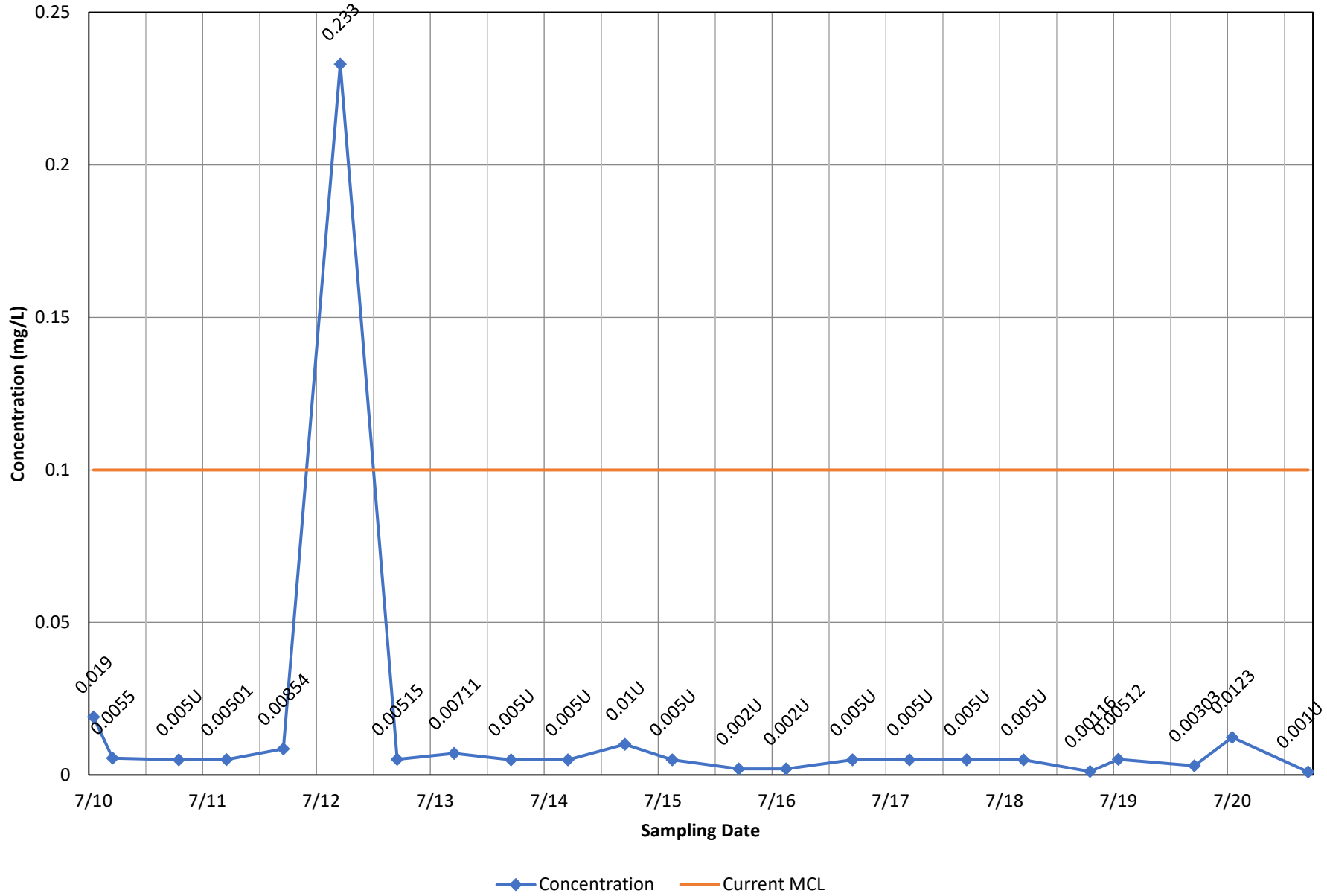
Monitoring Well OB025 - 1,2-Dibromo-3-chloropropane



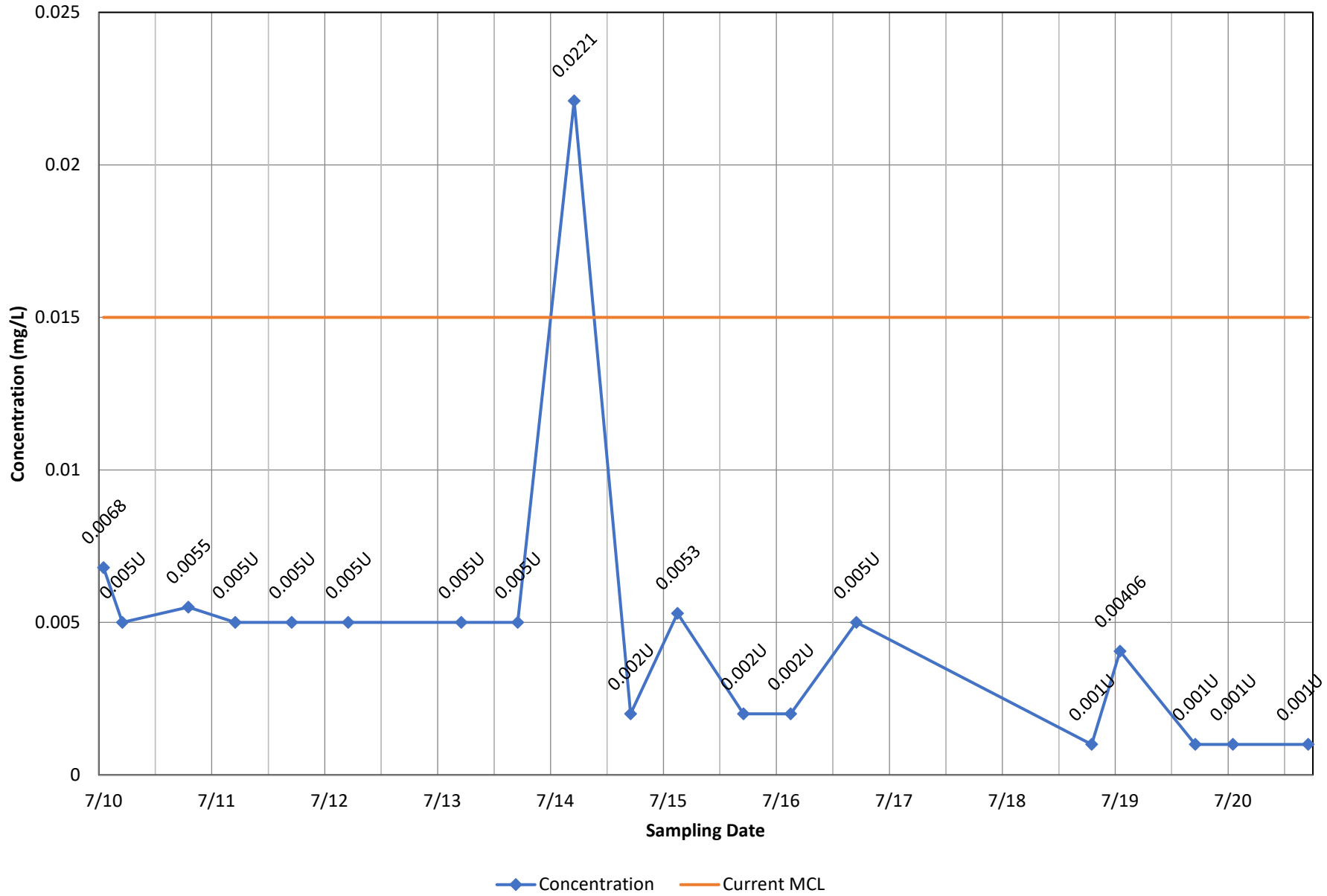
Monitoring Well MW-1B - Mercury, dissolved



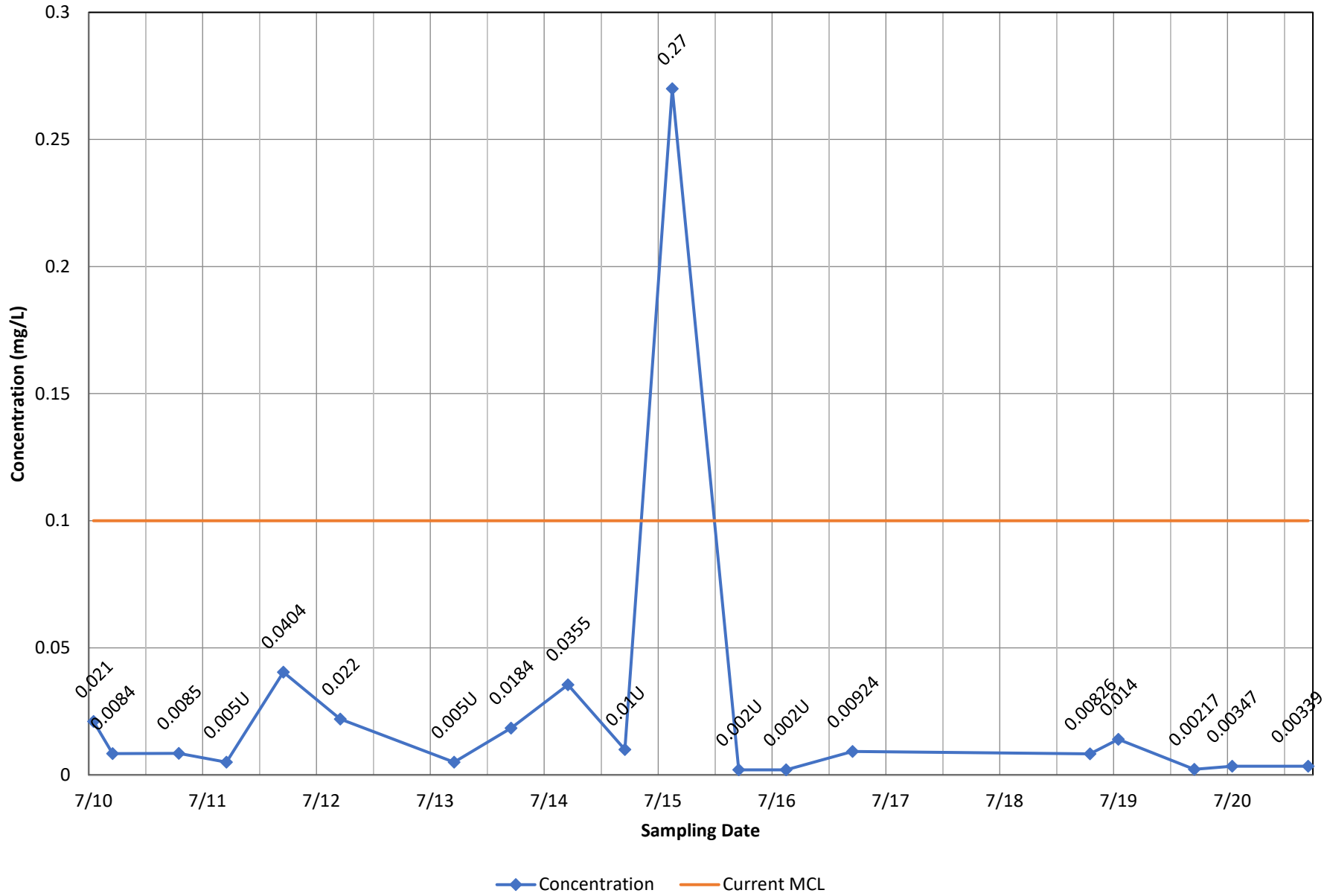
Monitoring Well MW-1B - Chromium, total



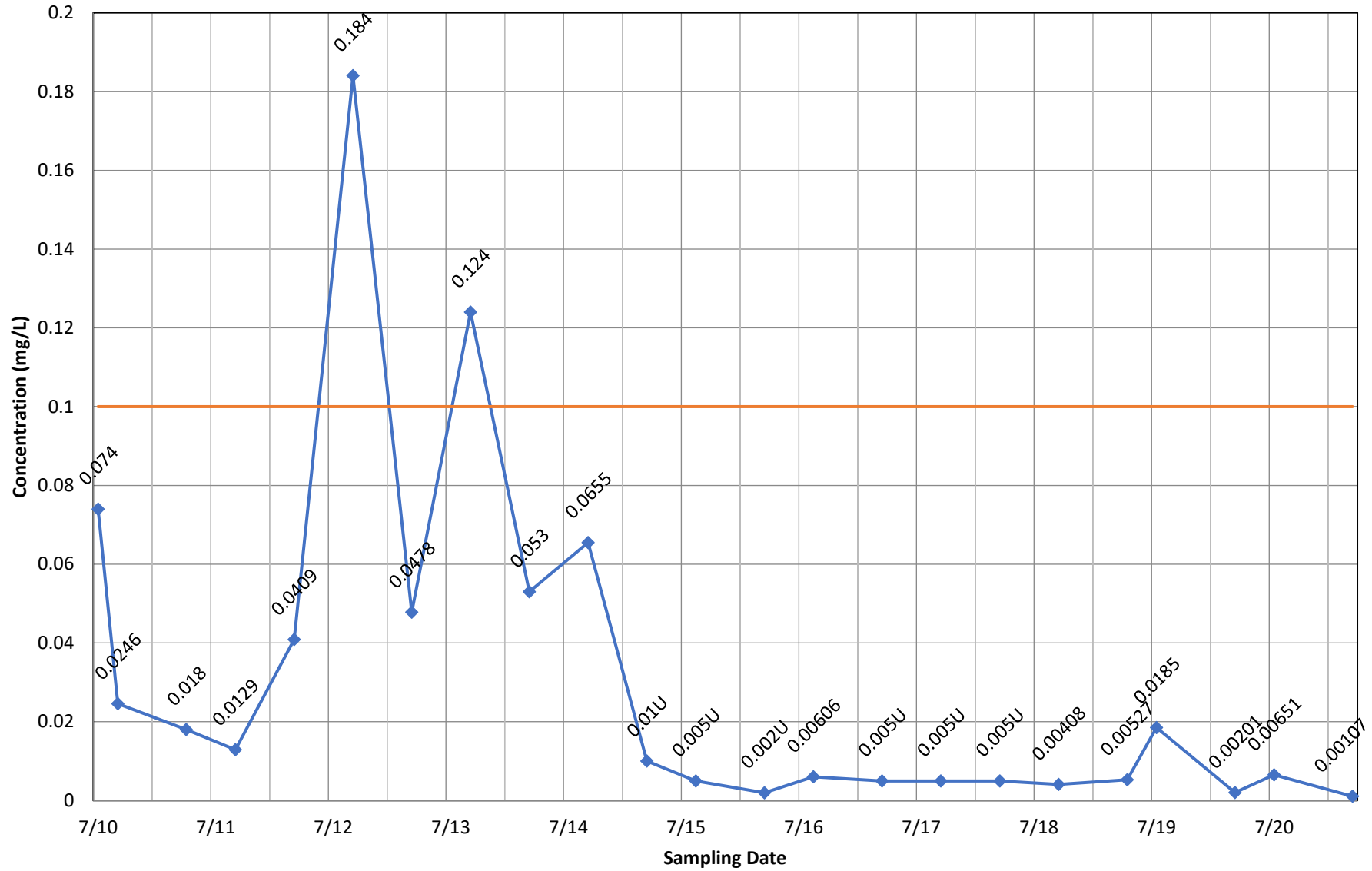
Monitoring Well MW-2A - Lead, total



Monitoring Well MW-2A - Chromium, total

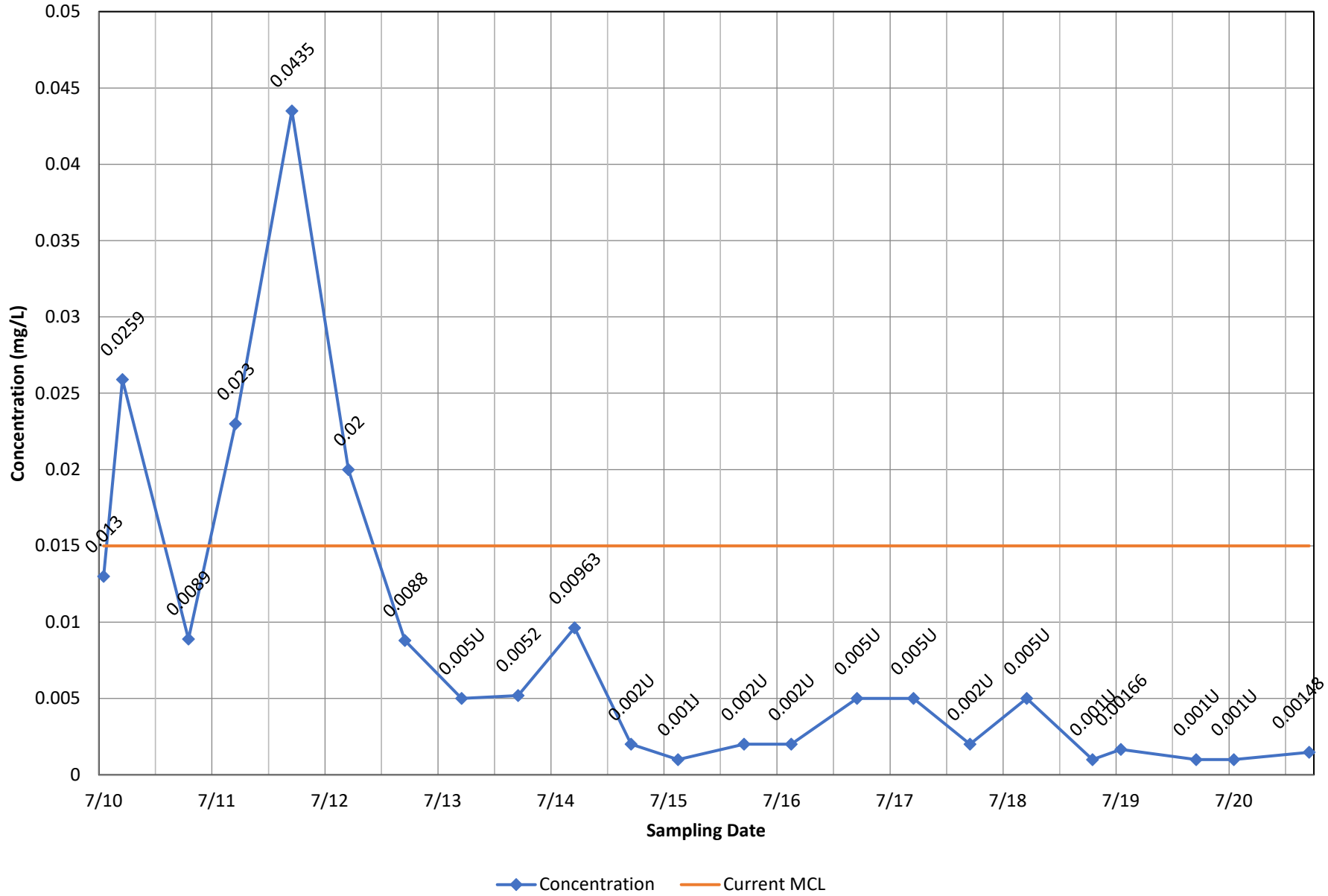


Monitoring Well MW-3B - Chromium, total

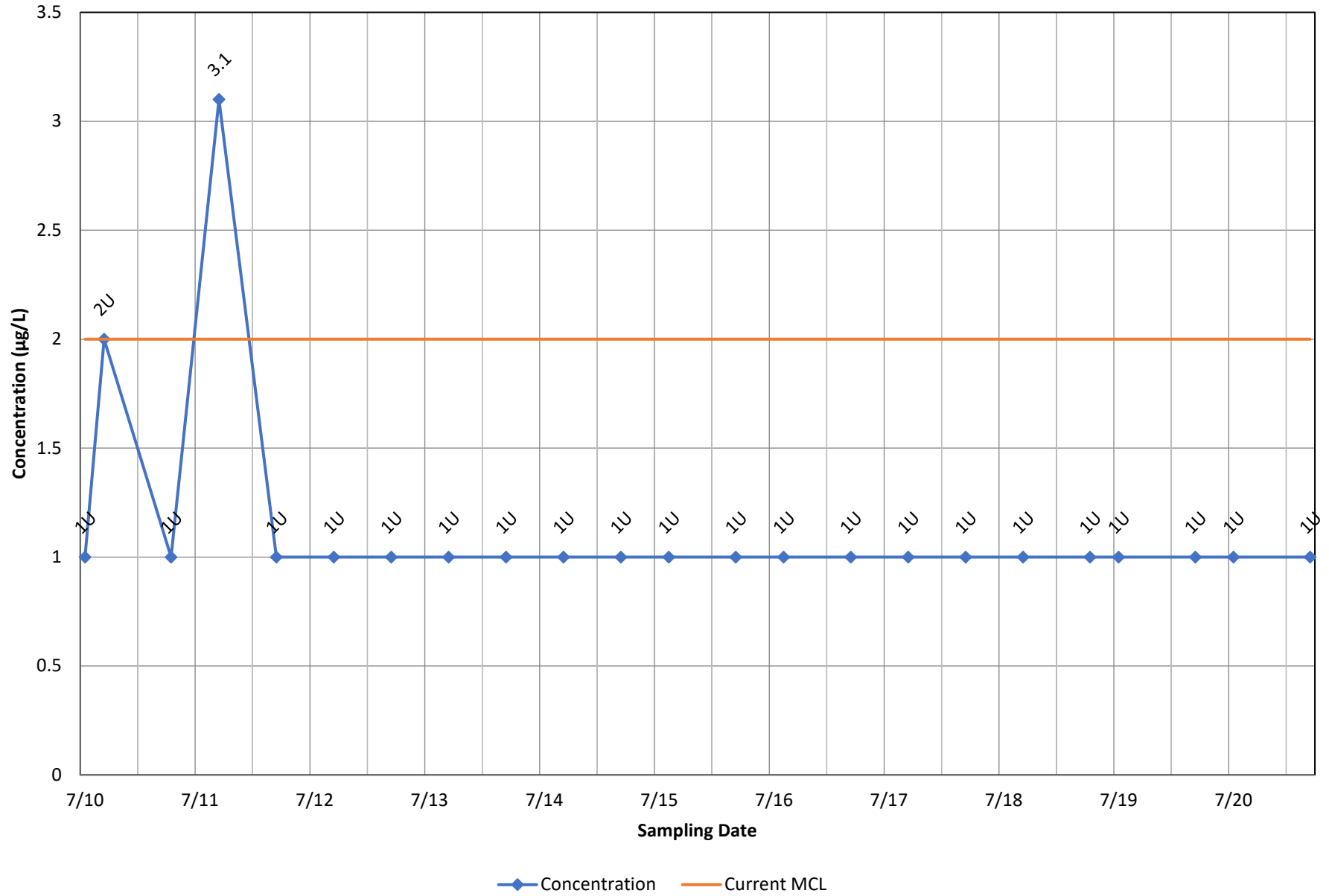


◆ Concentration — Current MCL

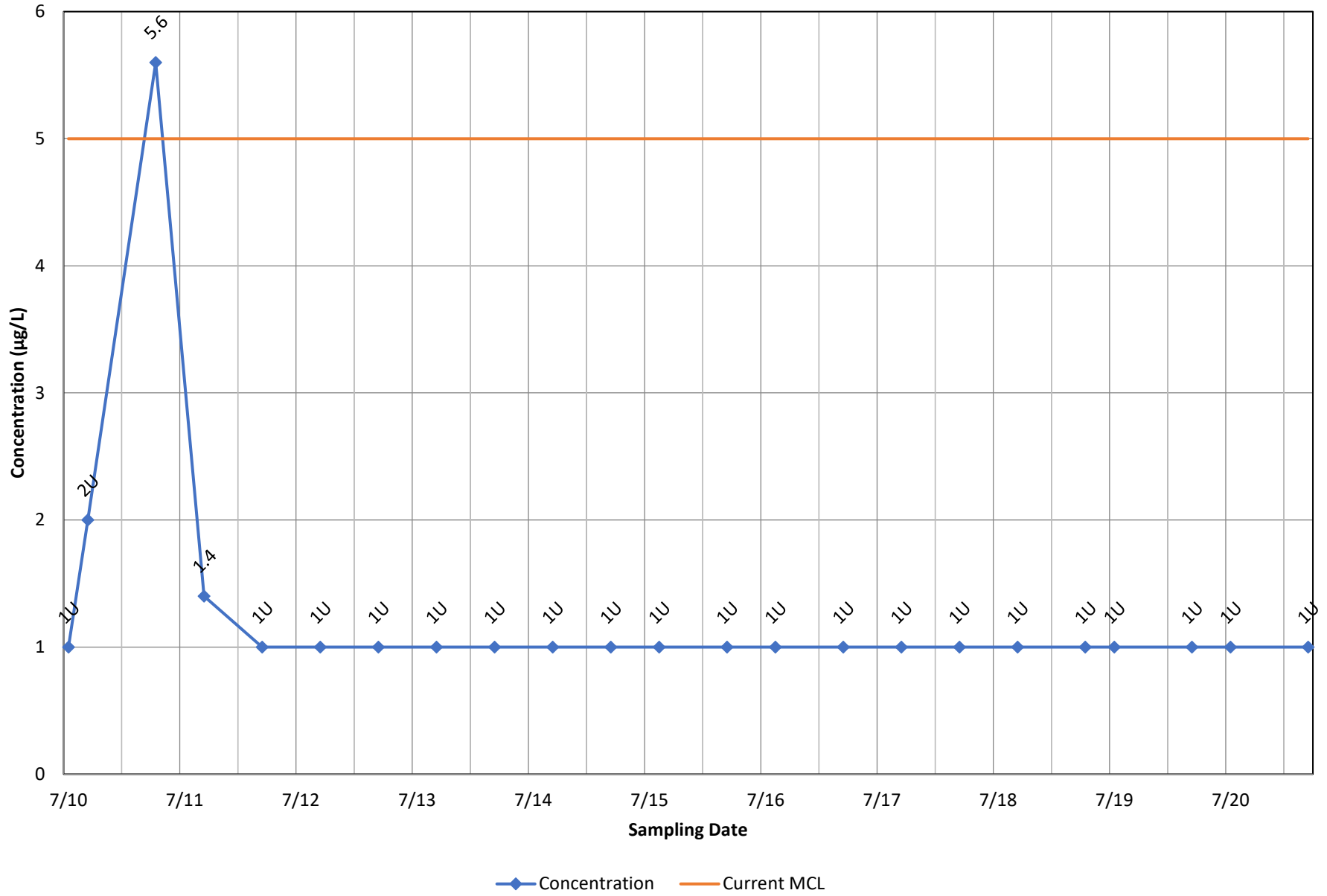
Monitoring Well MW-3A - Lead, total



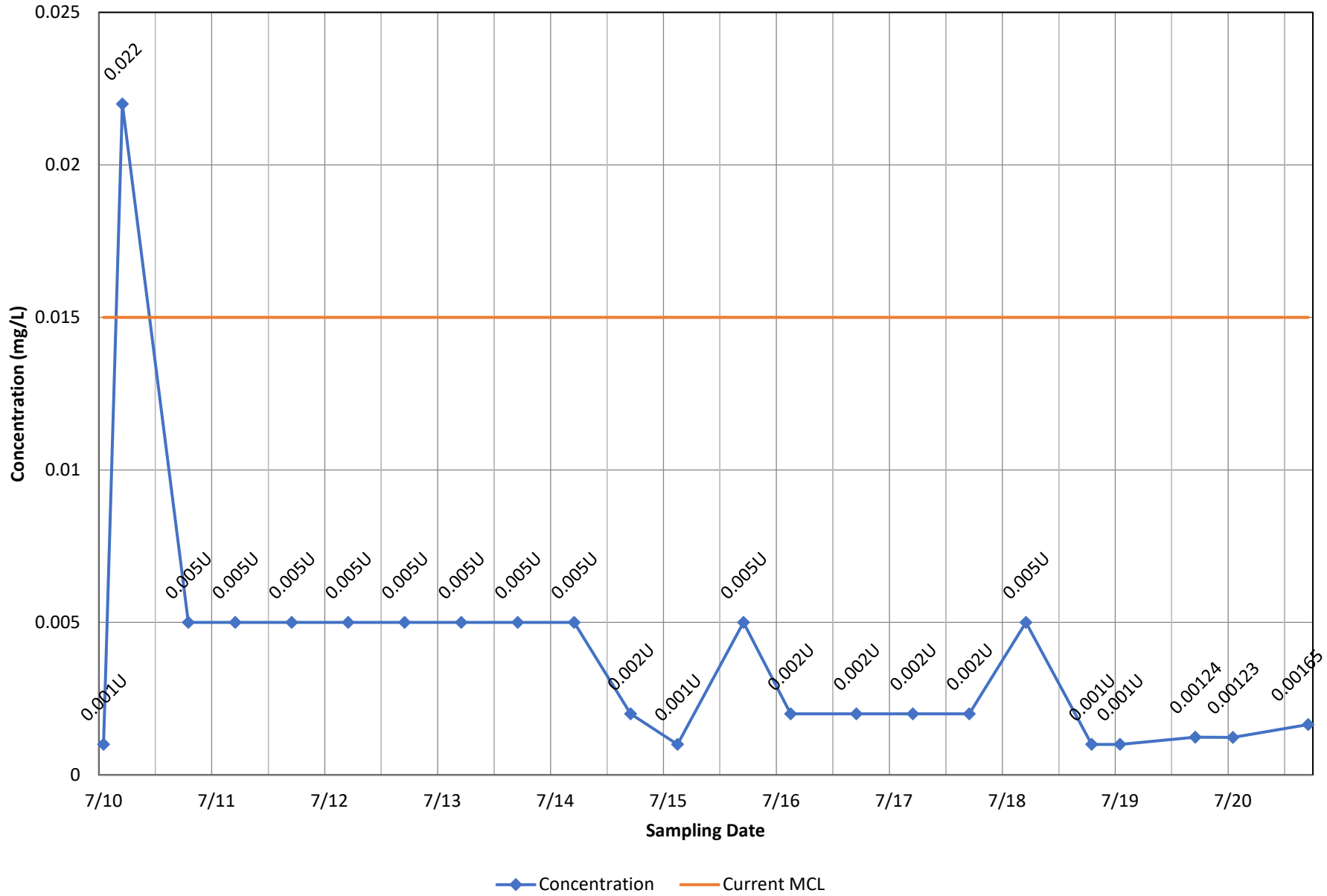
Monitoring Well MW-4 - Vinyl Chloride



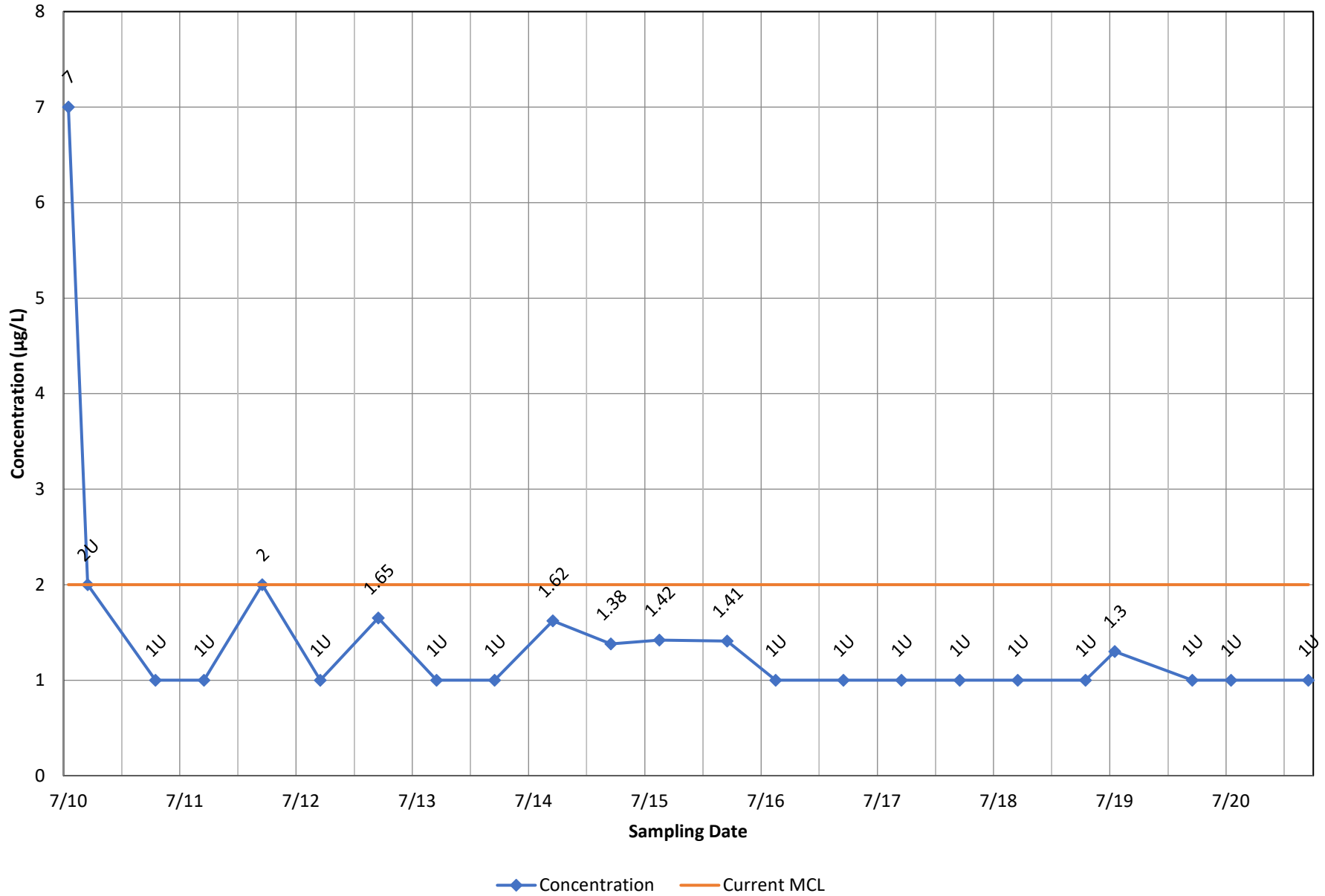
Monitoring Well MW-4 - Trichloroethene



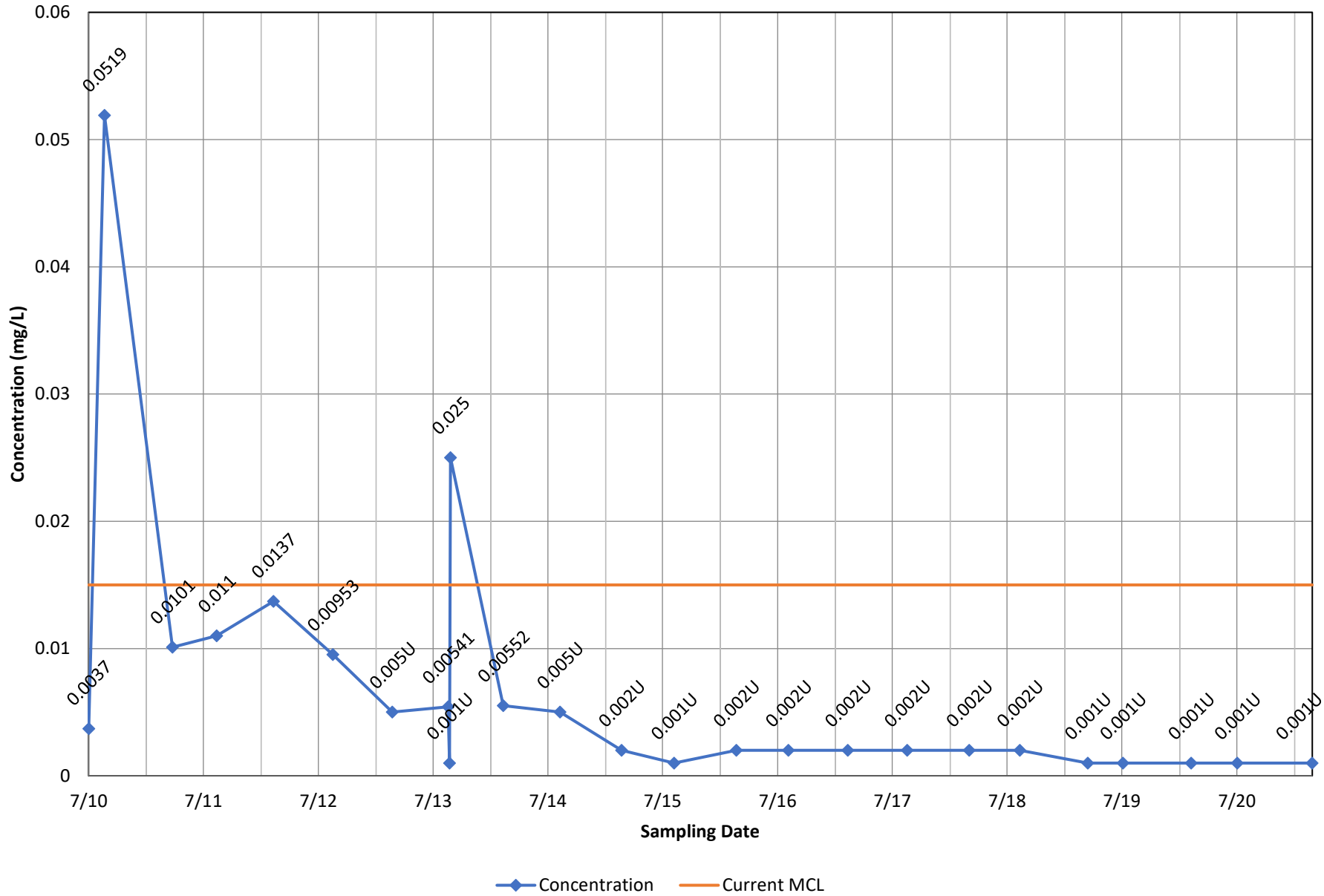
Monitoring Well MW-4 - Lead, total



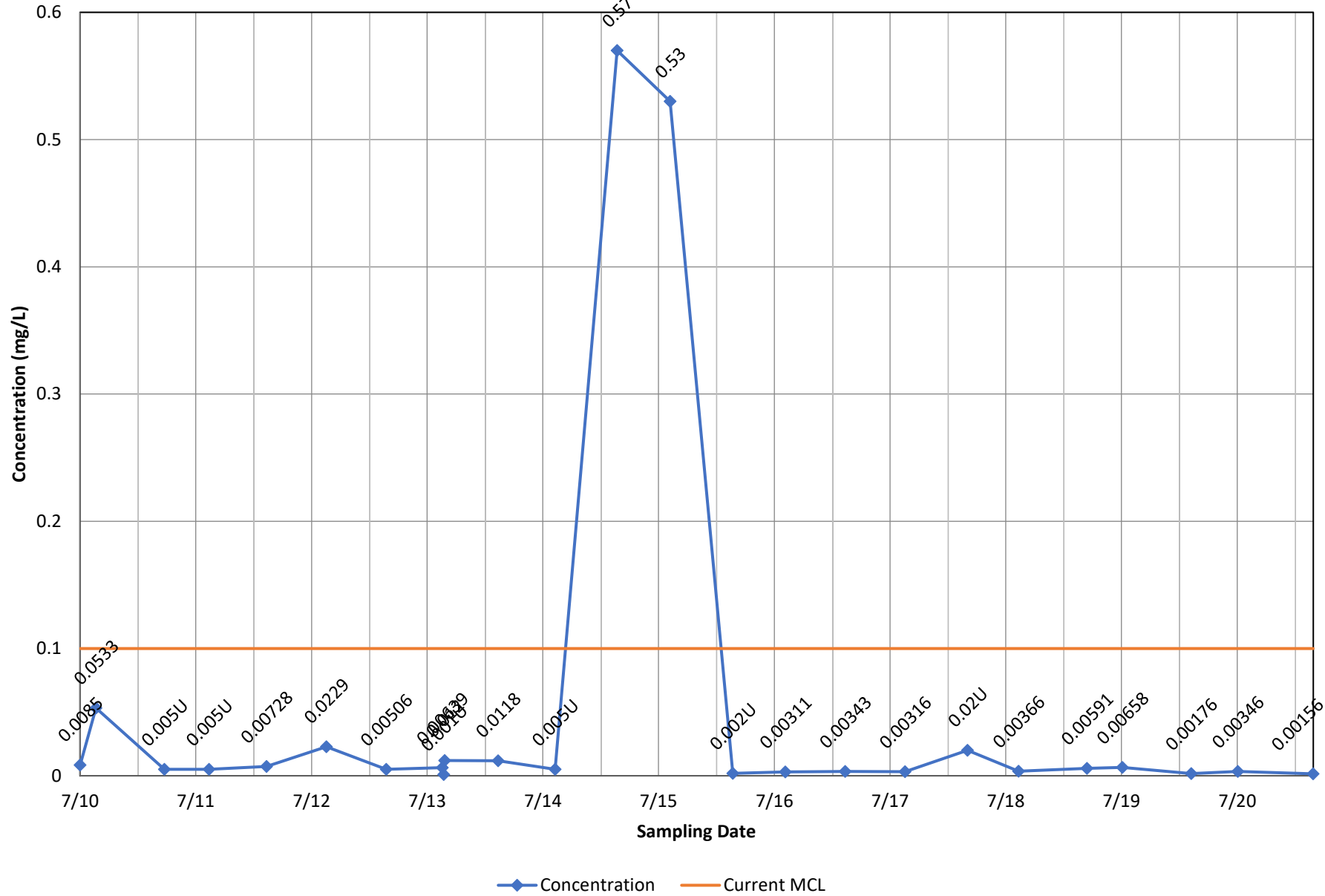
Monitoring Well MW-6 - Vinyl Chloride



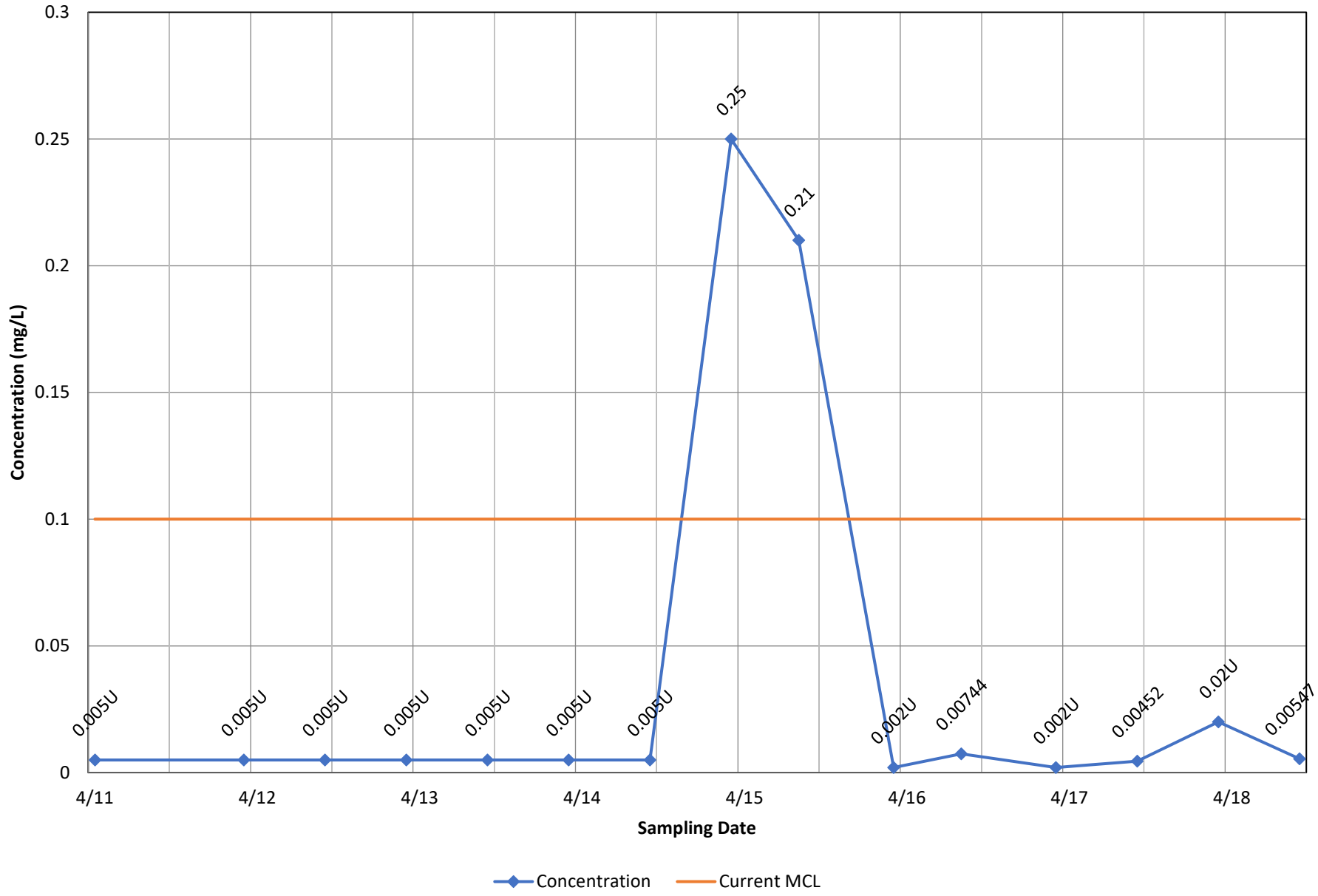
Monitoring Well MW-6 - Lead, total



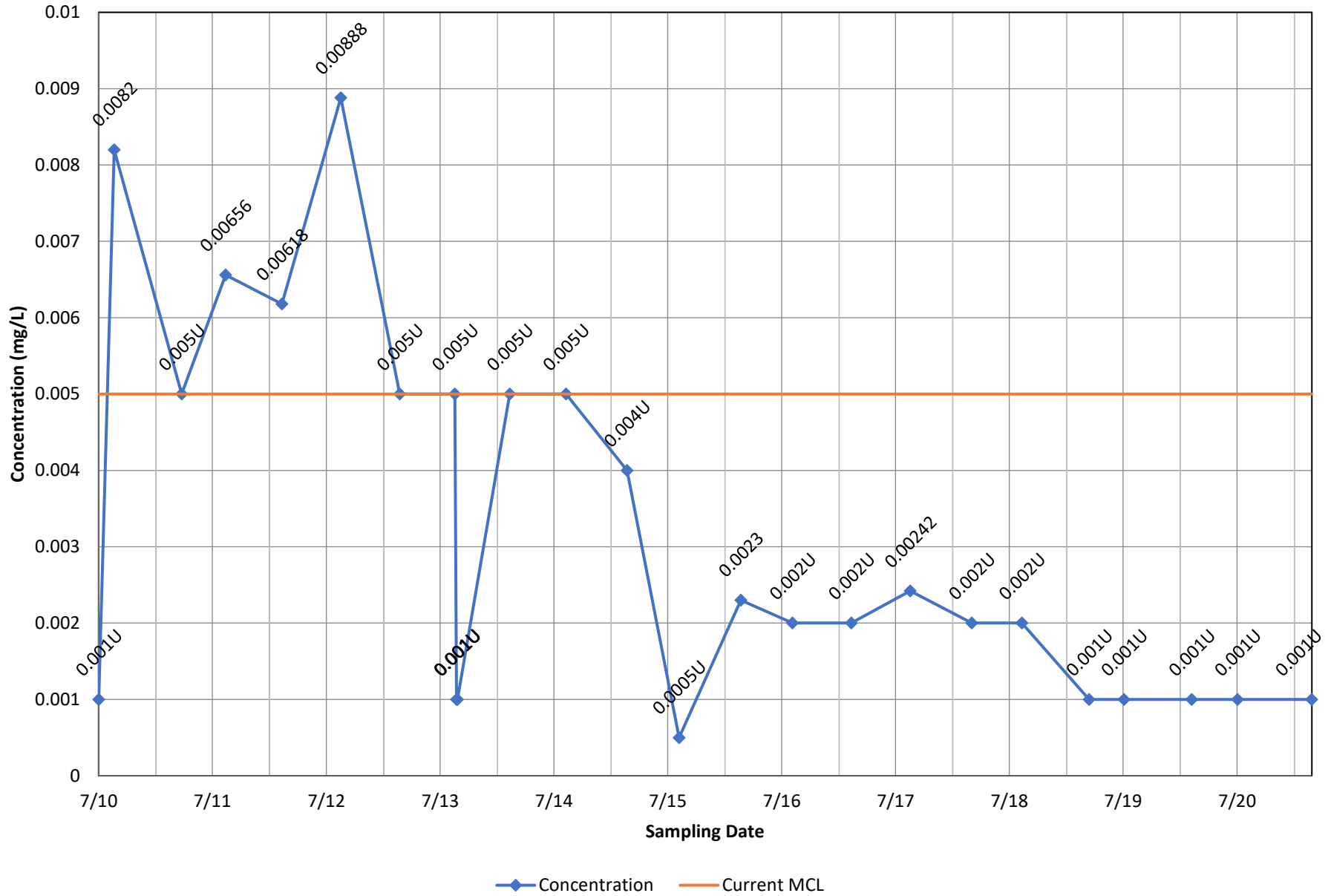
Monitoring Well MW-6 - Chromium, total



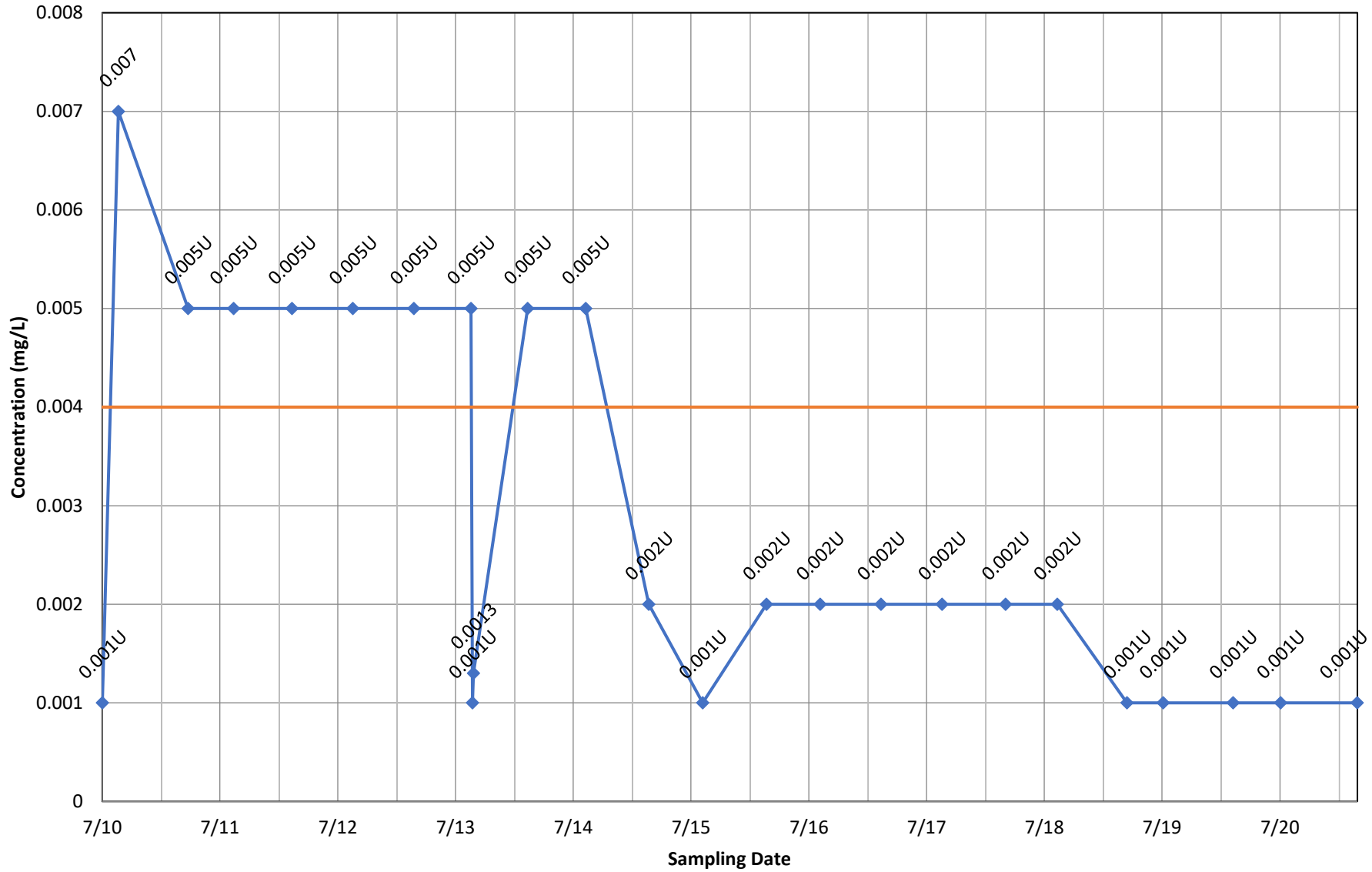
Monitoring Well MW-6 - Chromium, dissolved



Monitoring Well MW-6 - Cadmium, total

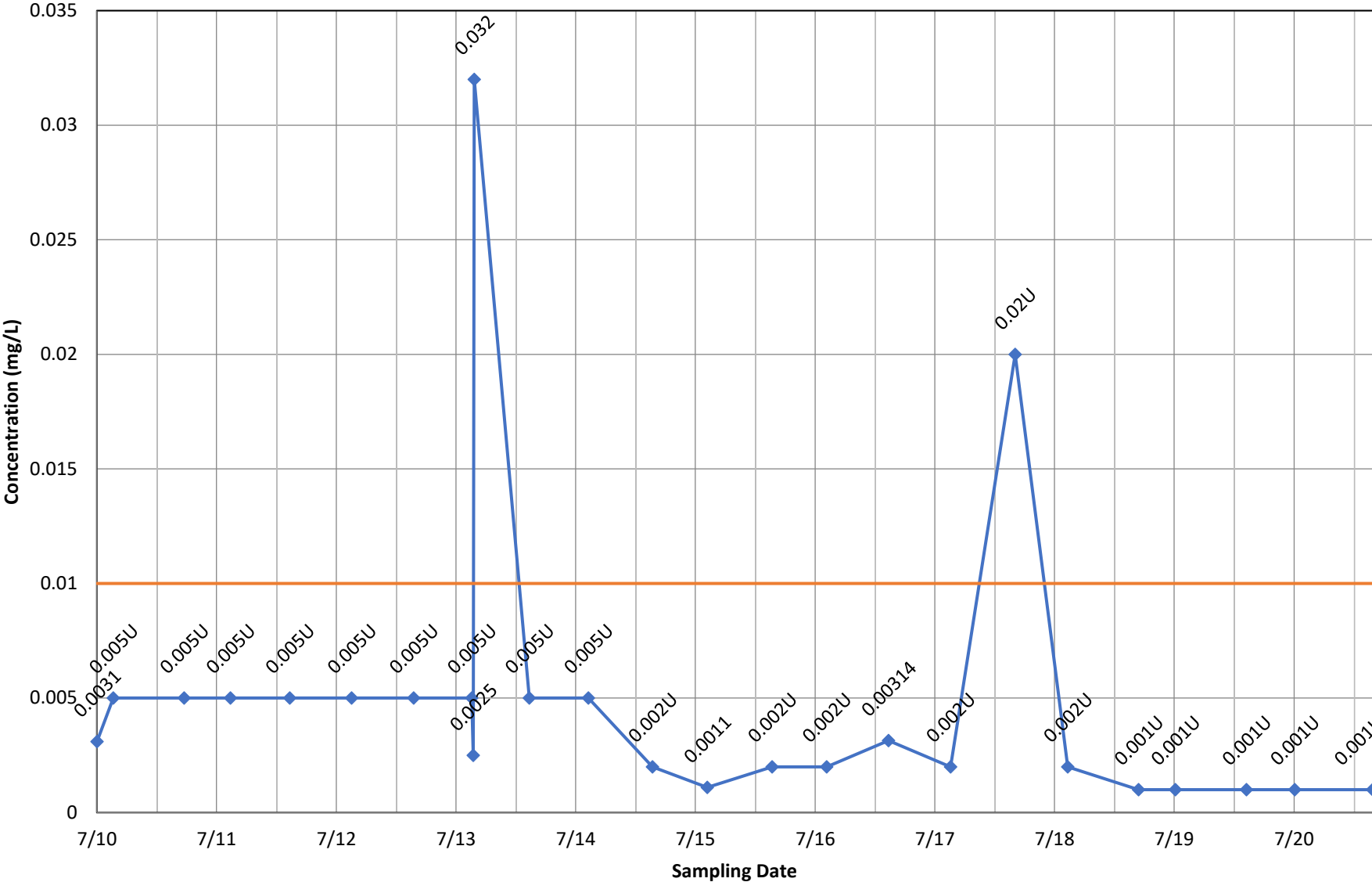


Monitoring Well MW-6 - Beryllium, total



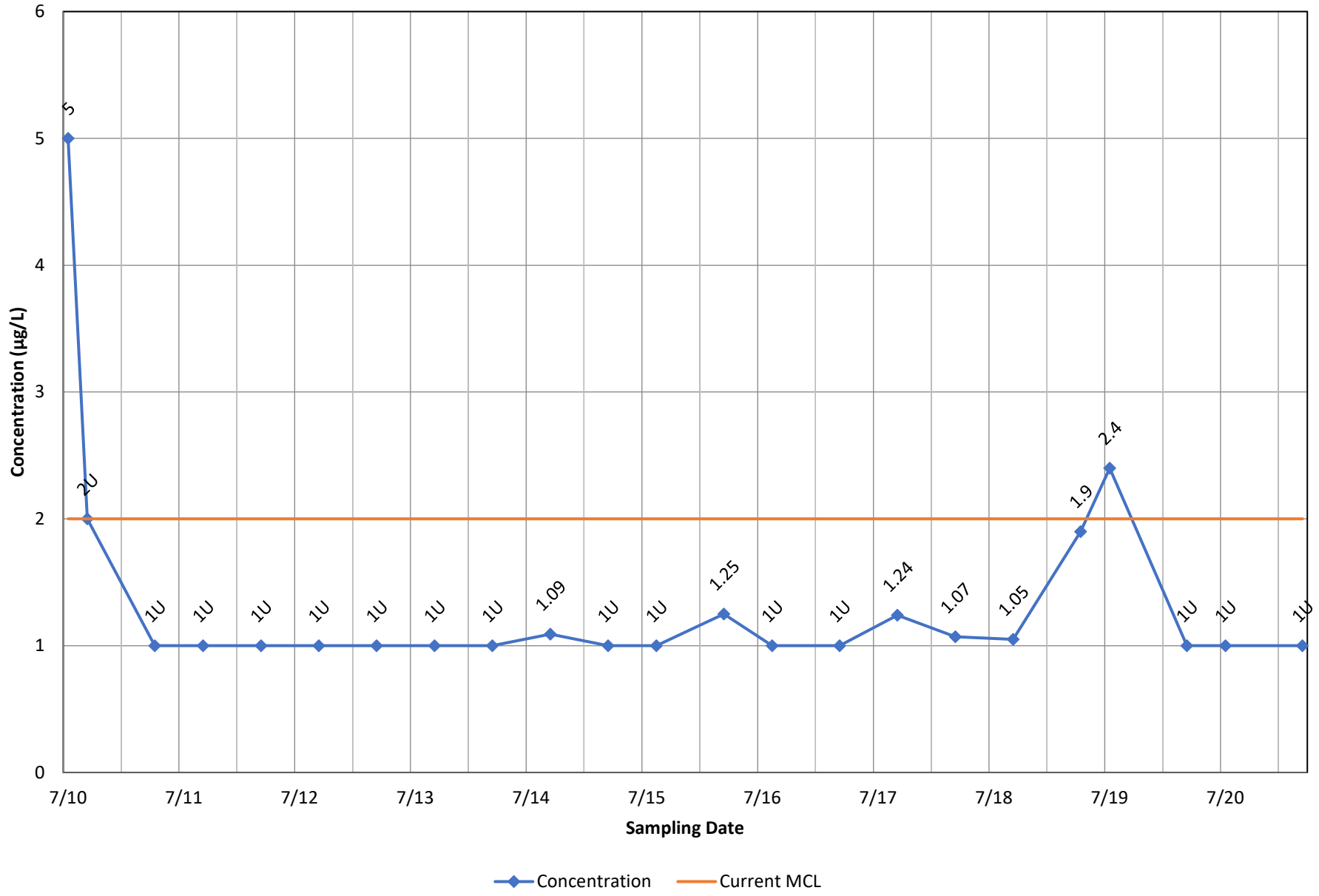
◆ Concentration — Current MCL

Monitoring Well MW-6 - Arsenic, total

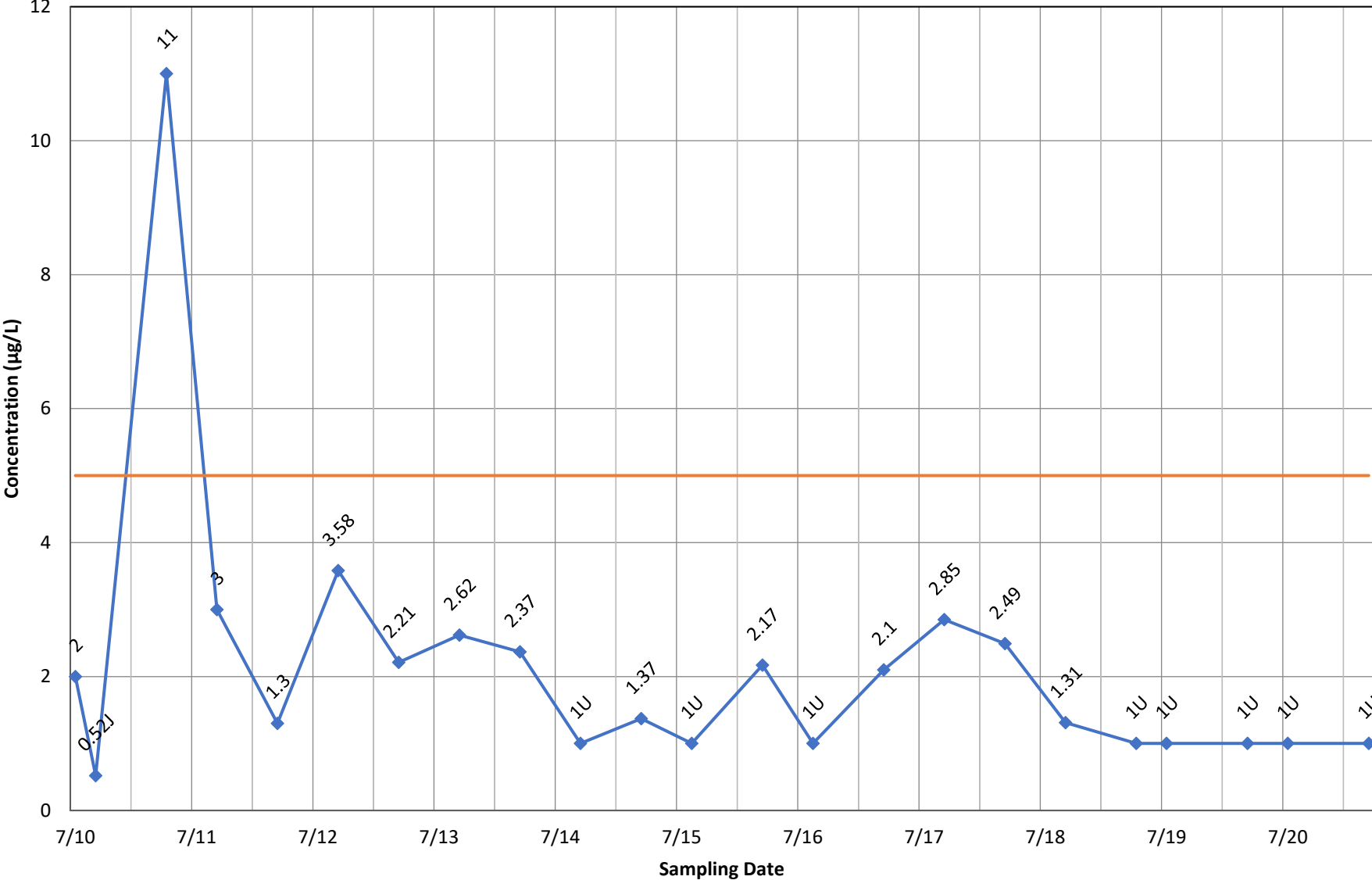


◆ Concentration — Current MCL

Monitoring Well MW-7 - Vinyl Chloride

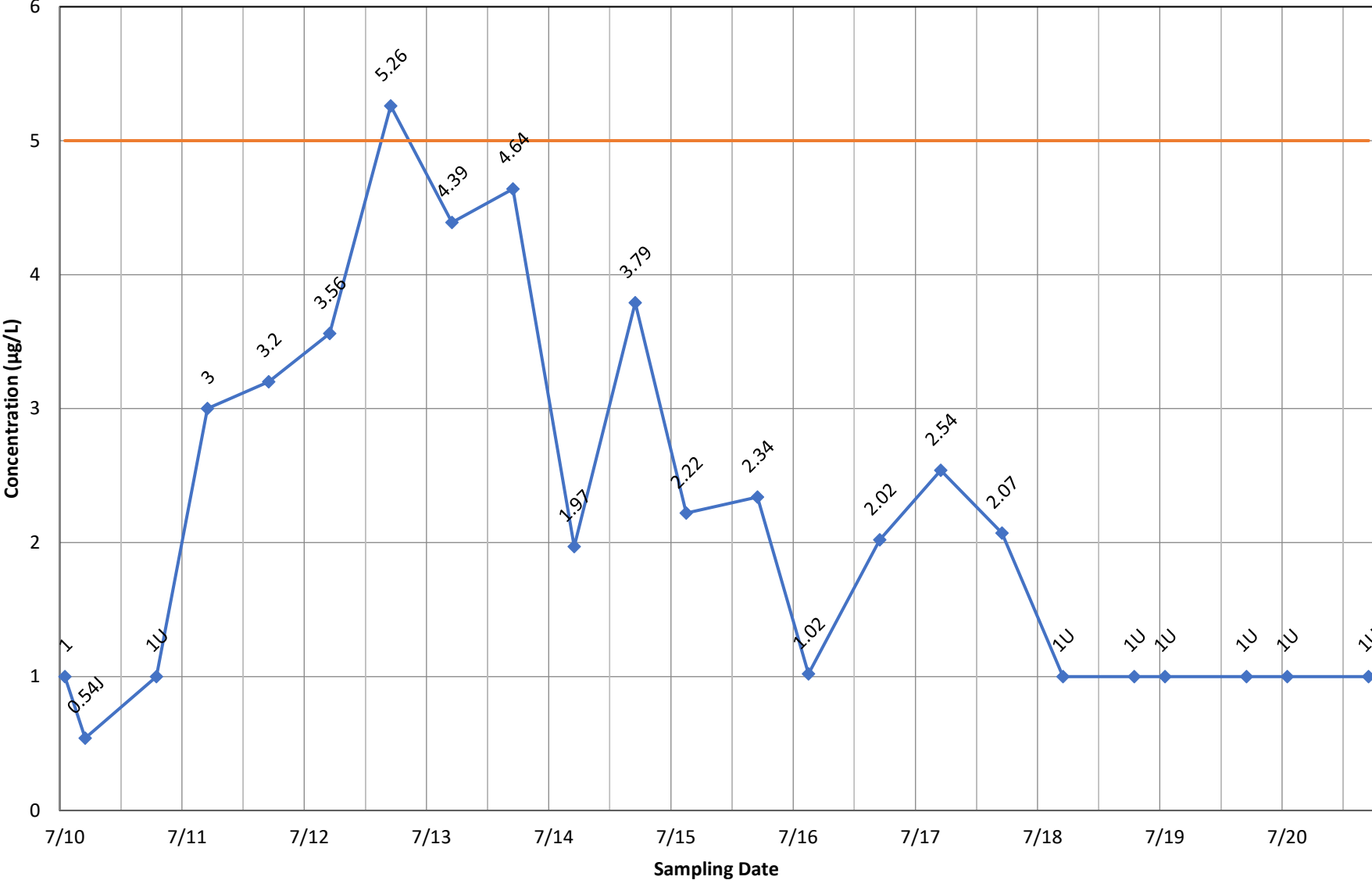


Monitoring Well MW-7 - Trichloroethene



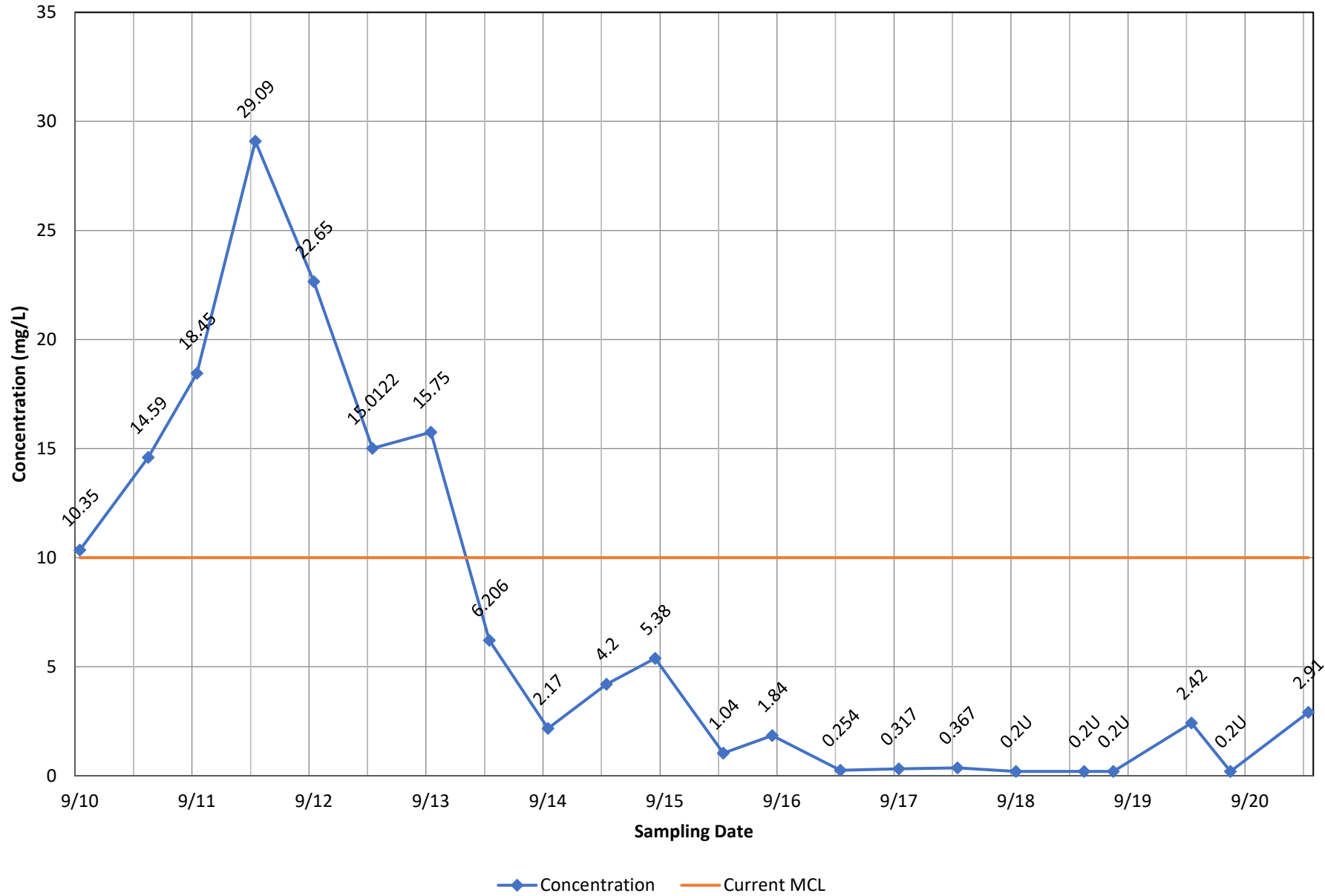
◆ Concentration — Current MCL

Monitoring Well MW-7 - Tetrachloroethene

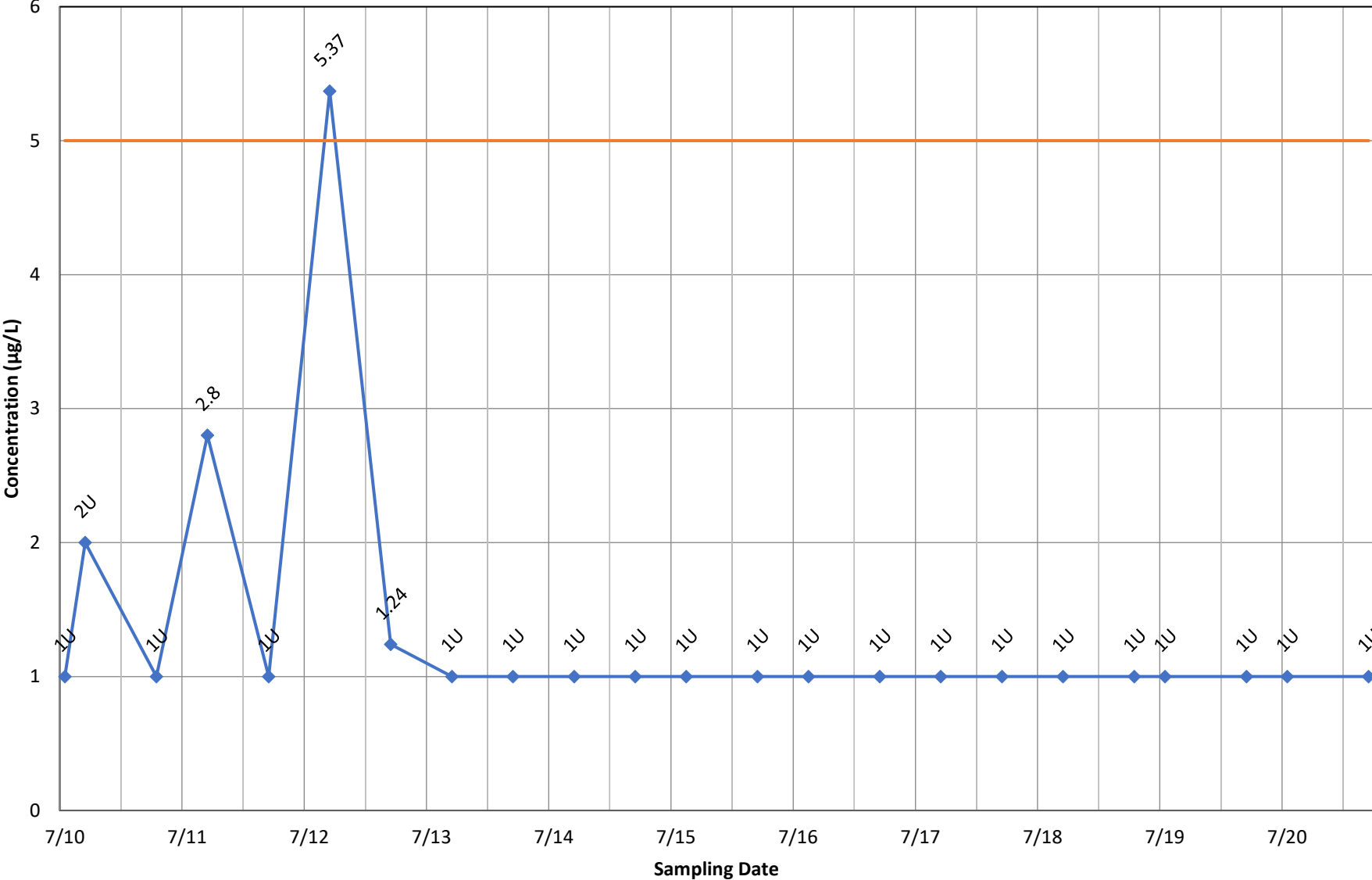


◆ Concentration — Current MCL

Monitoring Well MW-7 - Nitrate

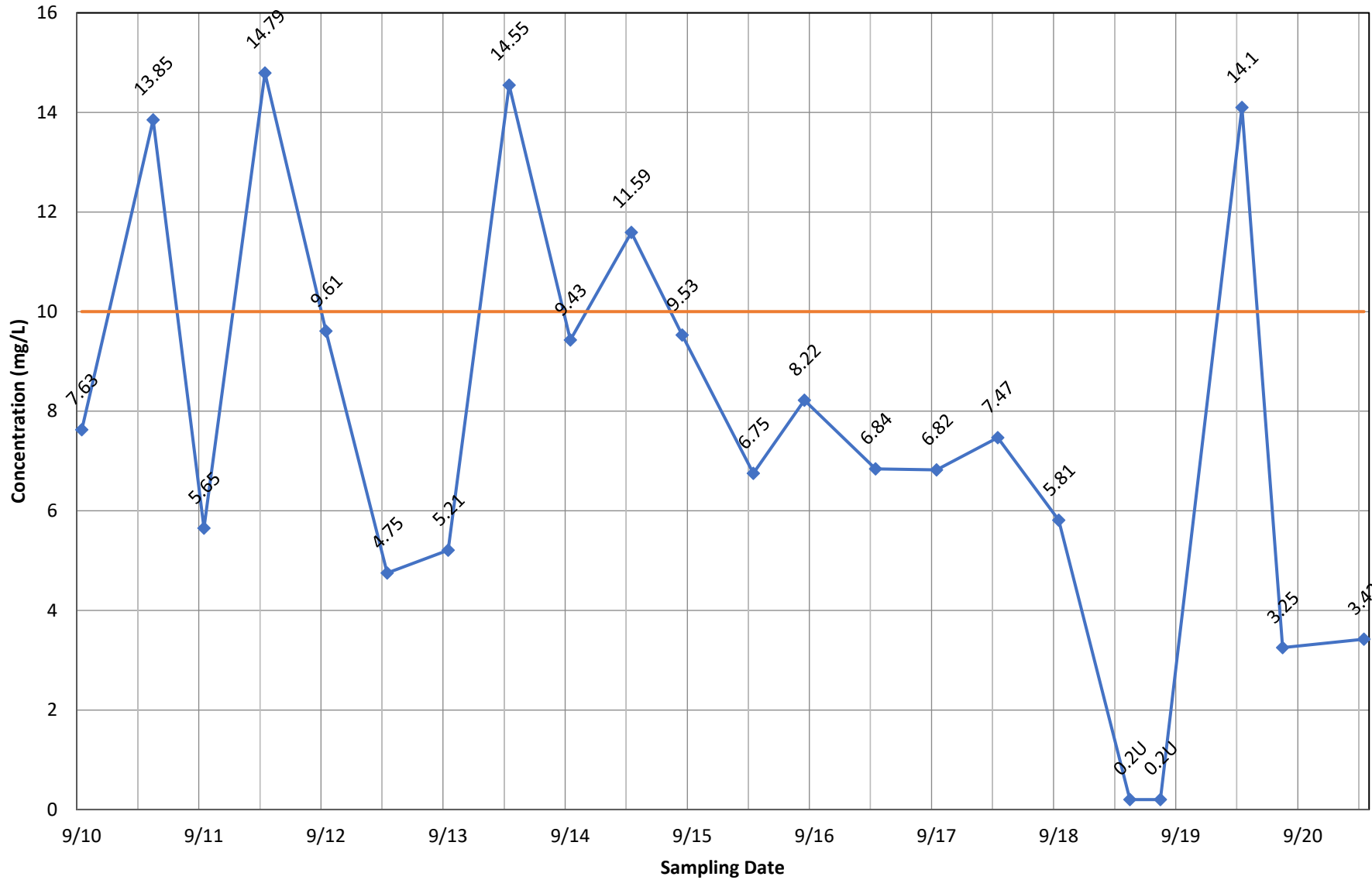


Monitoring Well MW-8 - Trichloroethene



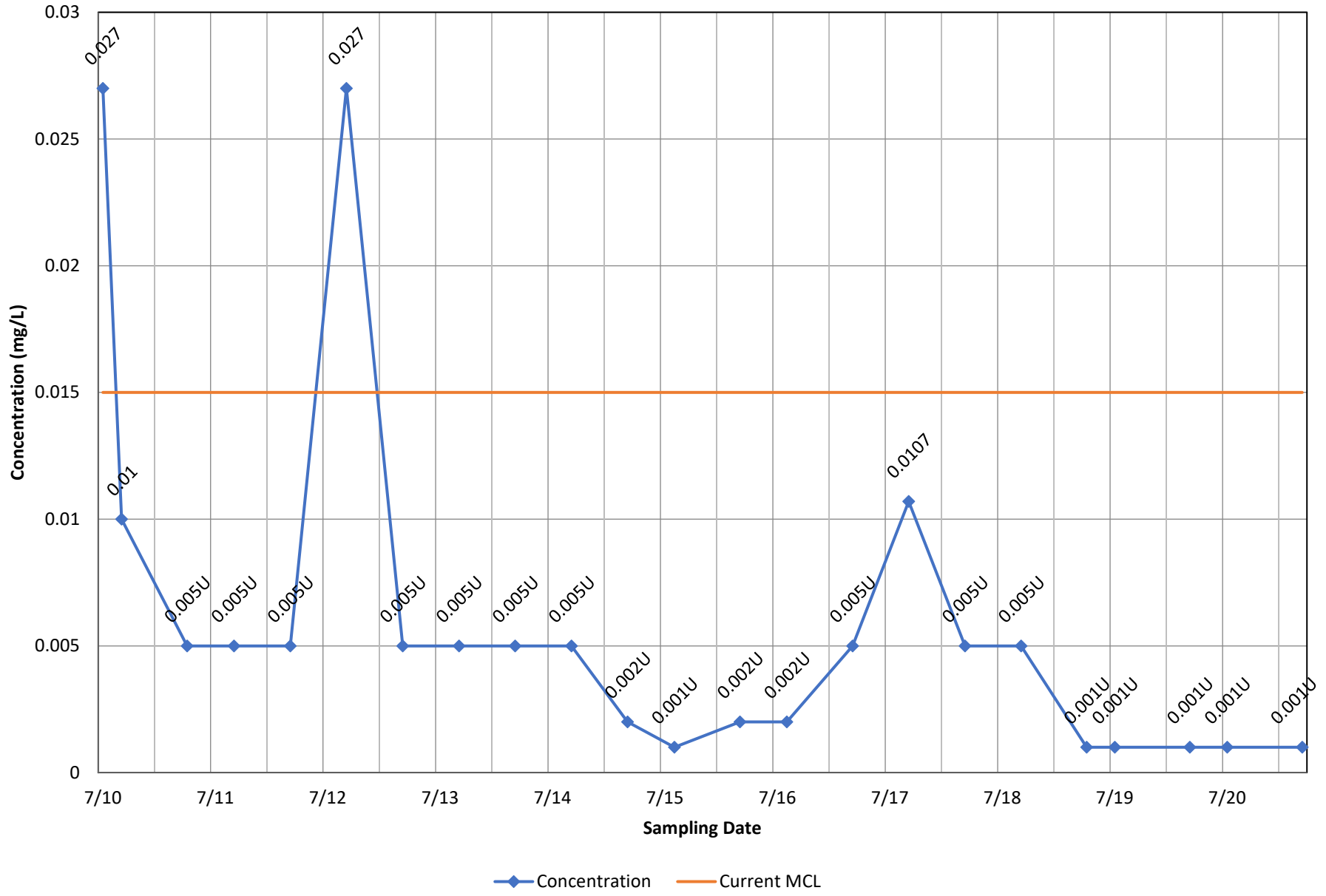
◆ Concentration — Current MCL

Monitoring Well MW-8 - Nitrate

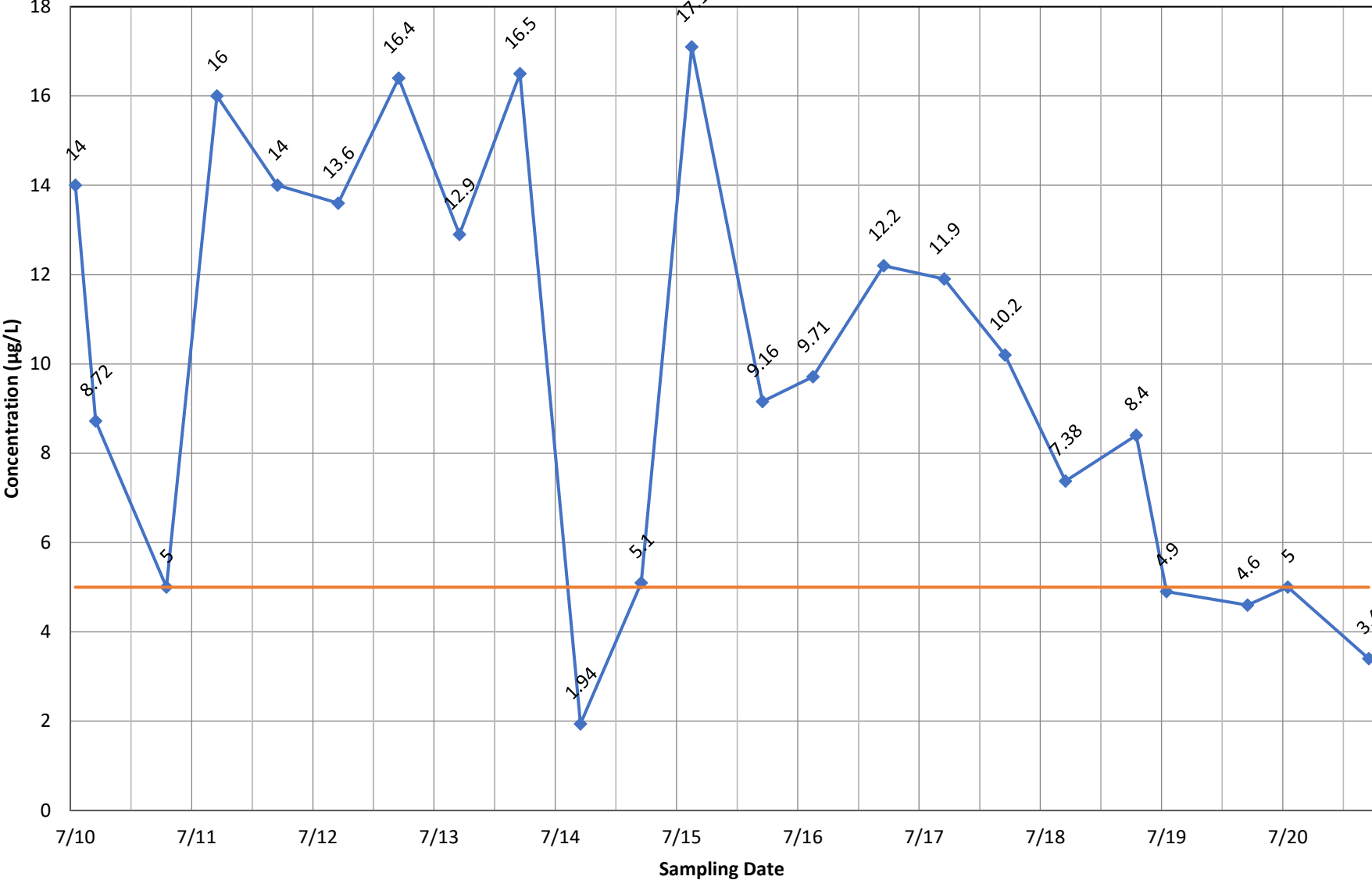


◆ Concentration — Current MCL

Monitoring Well MW-8 - Lead, total

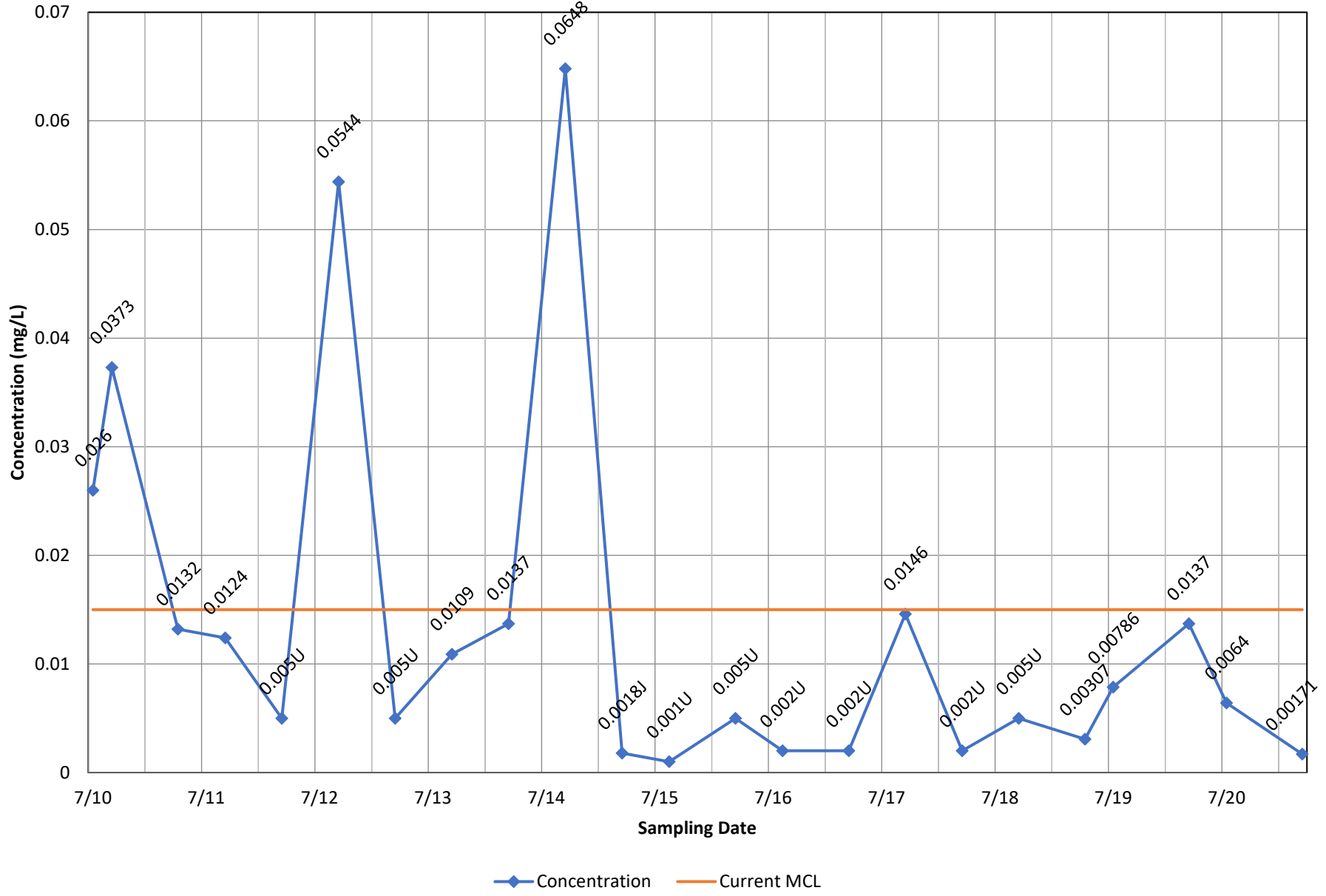


Monitoring Well MW-9 - Tetrachloroethene

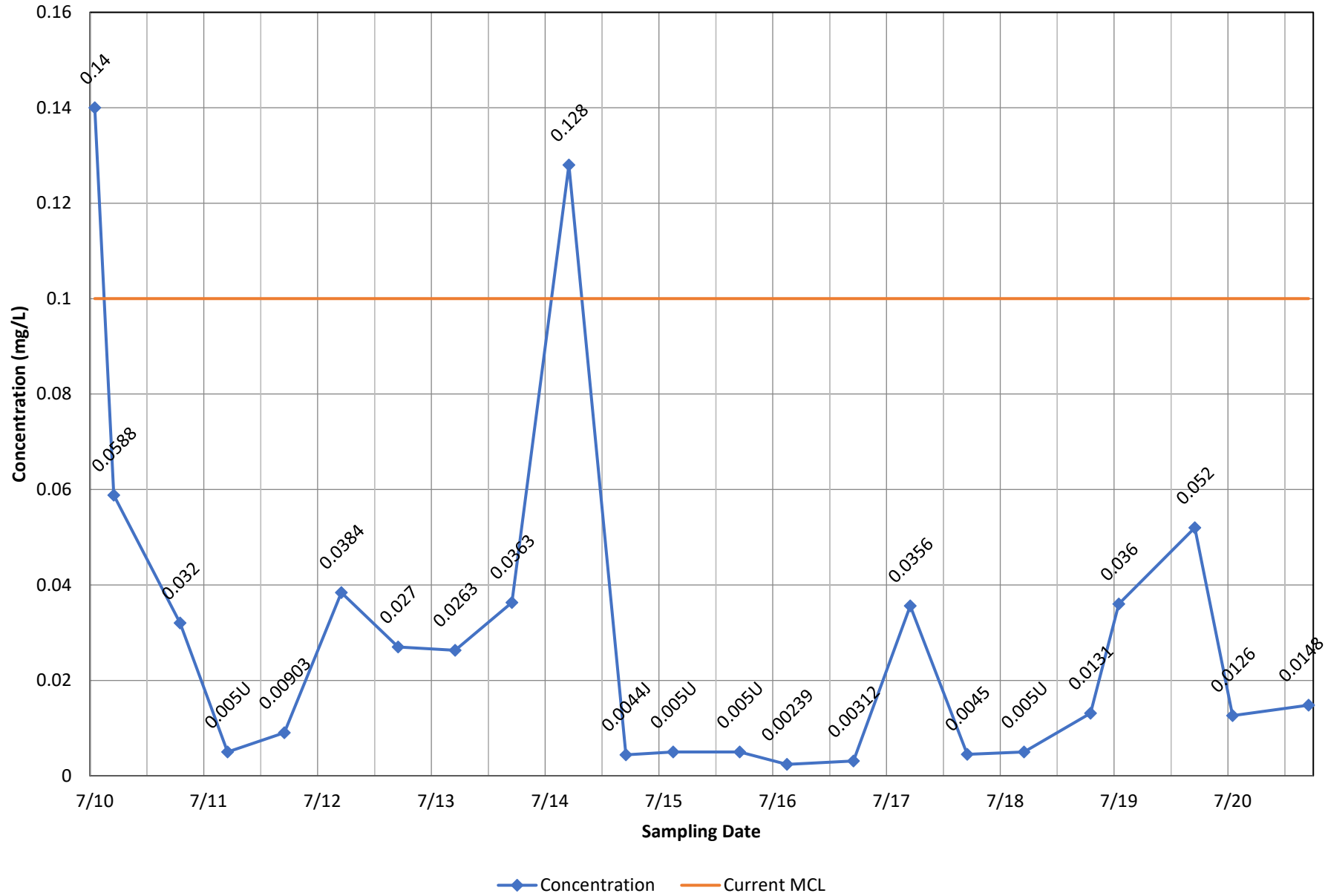


—◆— Concentration — Current MCL

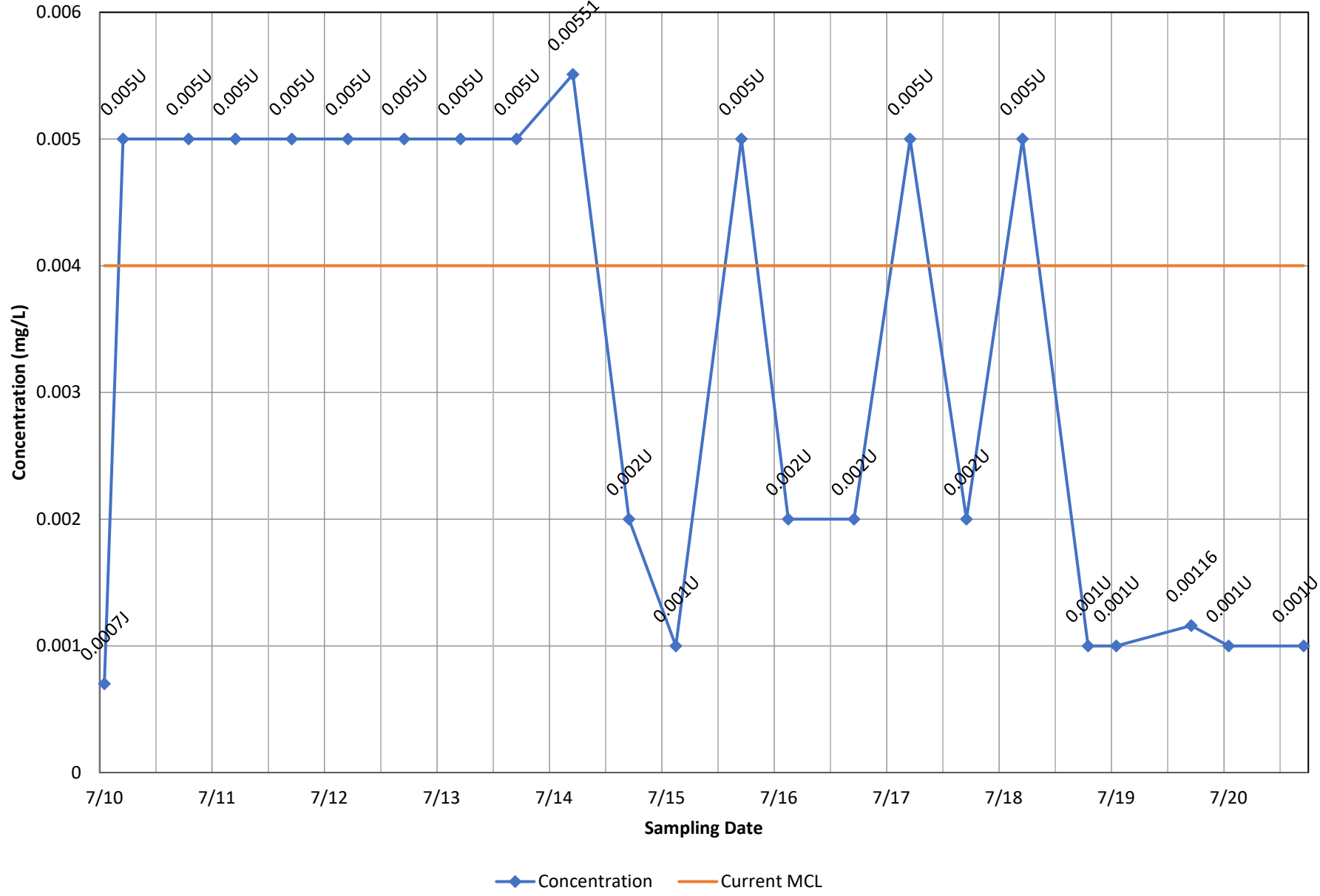
Monitoring Well MW-9 - Lead, total



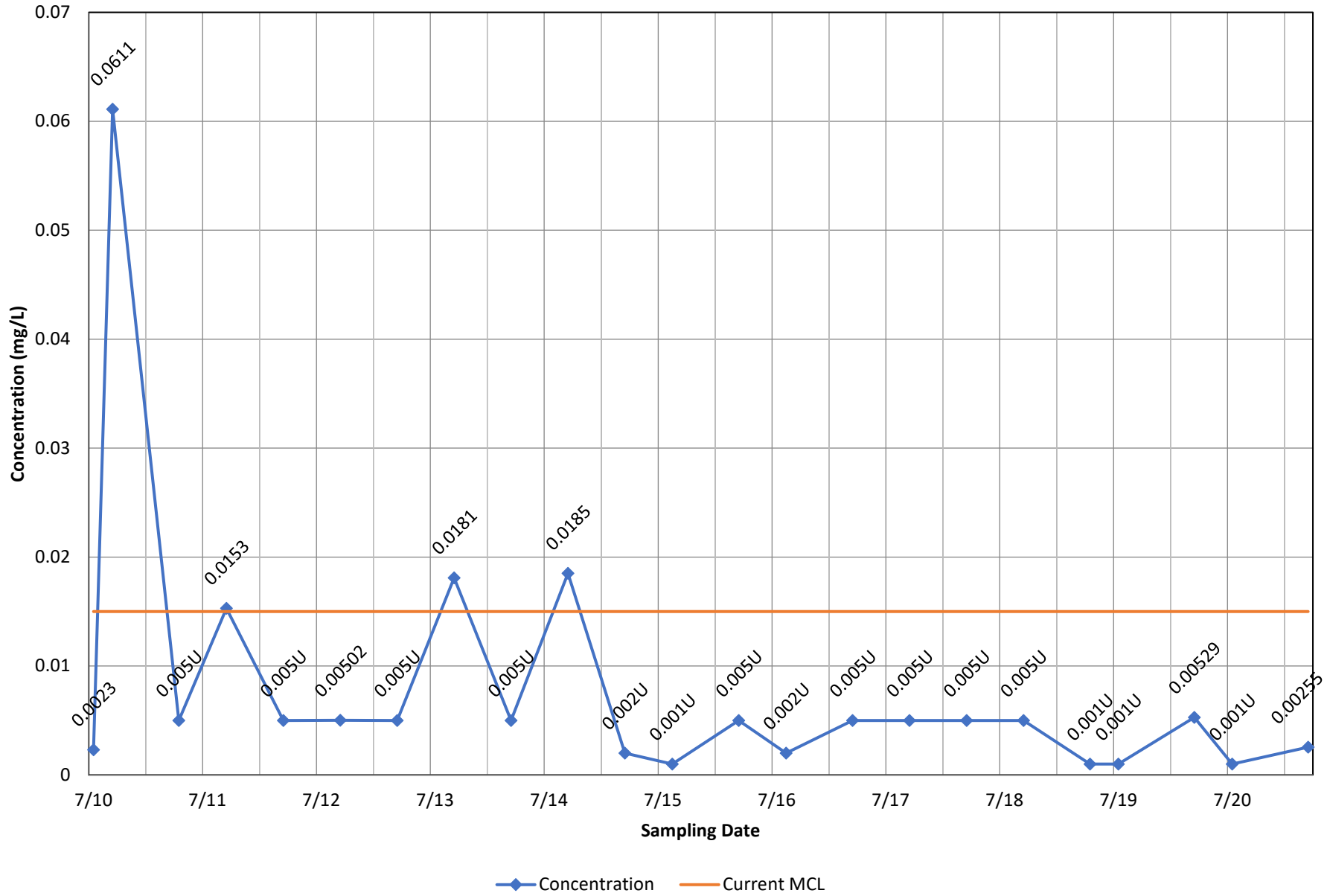
Monitoring Well MW-9 - Chromium, total



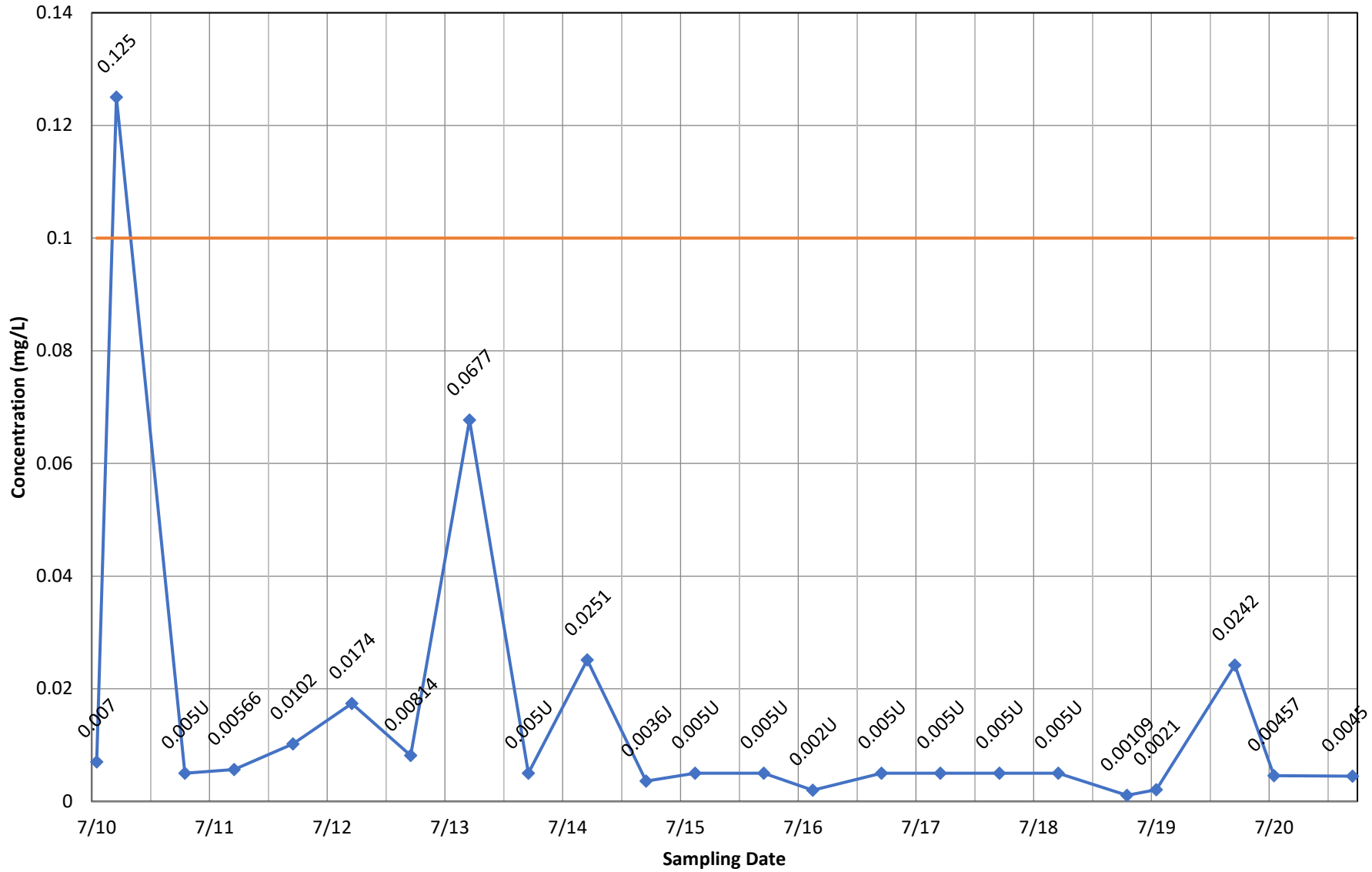
Monitoring Well MW-9 - Beryllium, total



Monitoring Well MW-10 - Lead, total

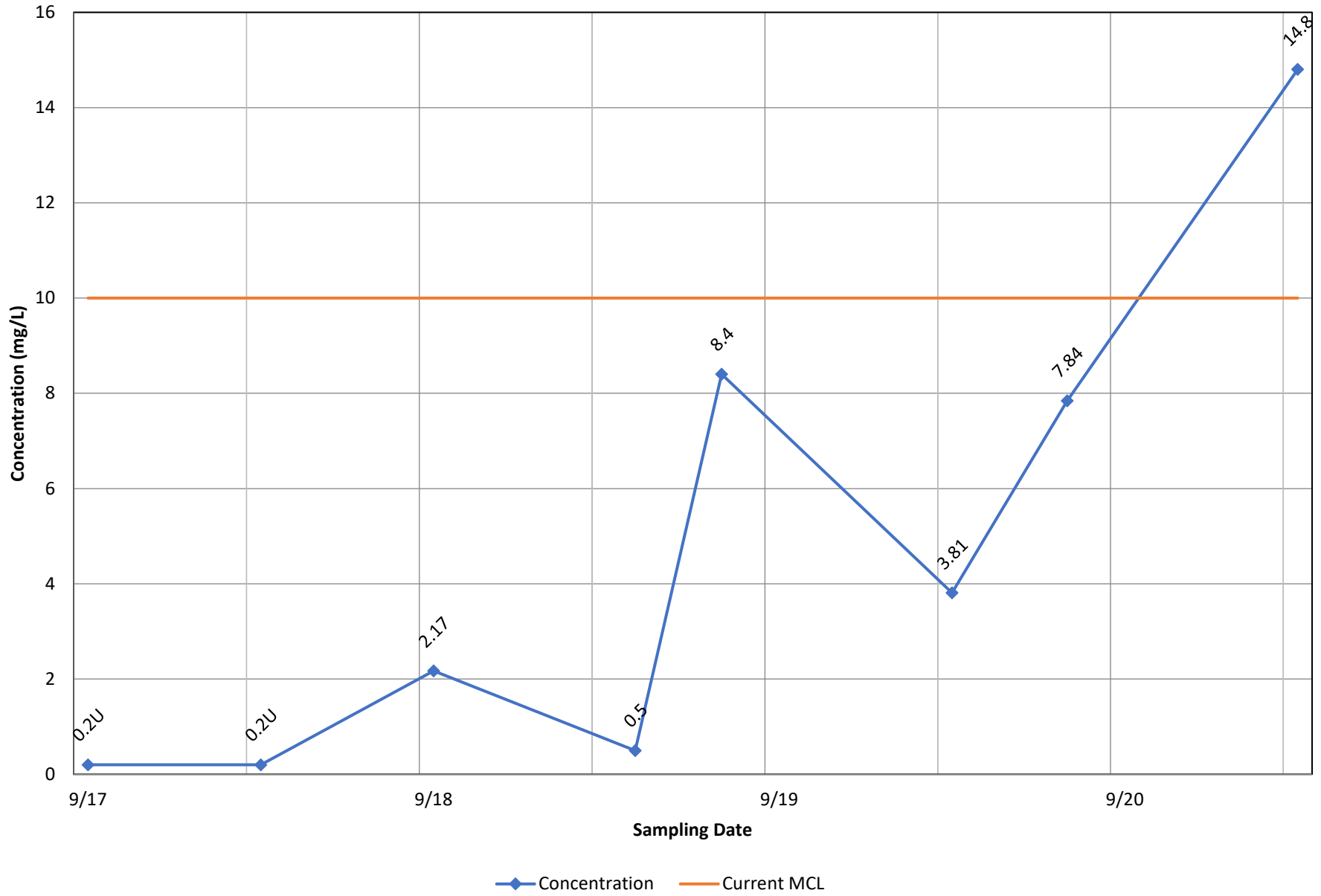


Monitoring Well MW-10 - Chromium, total

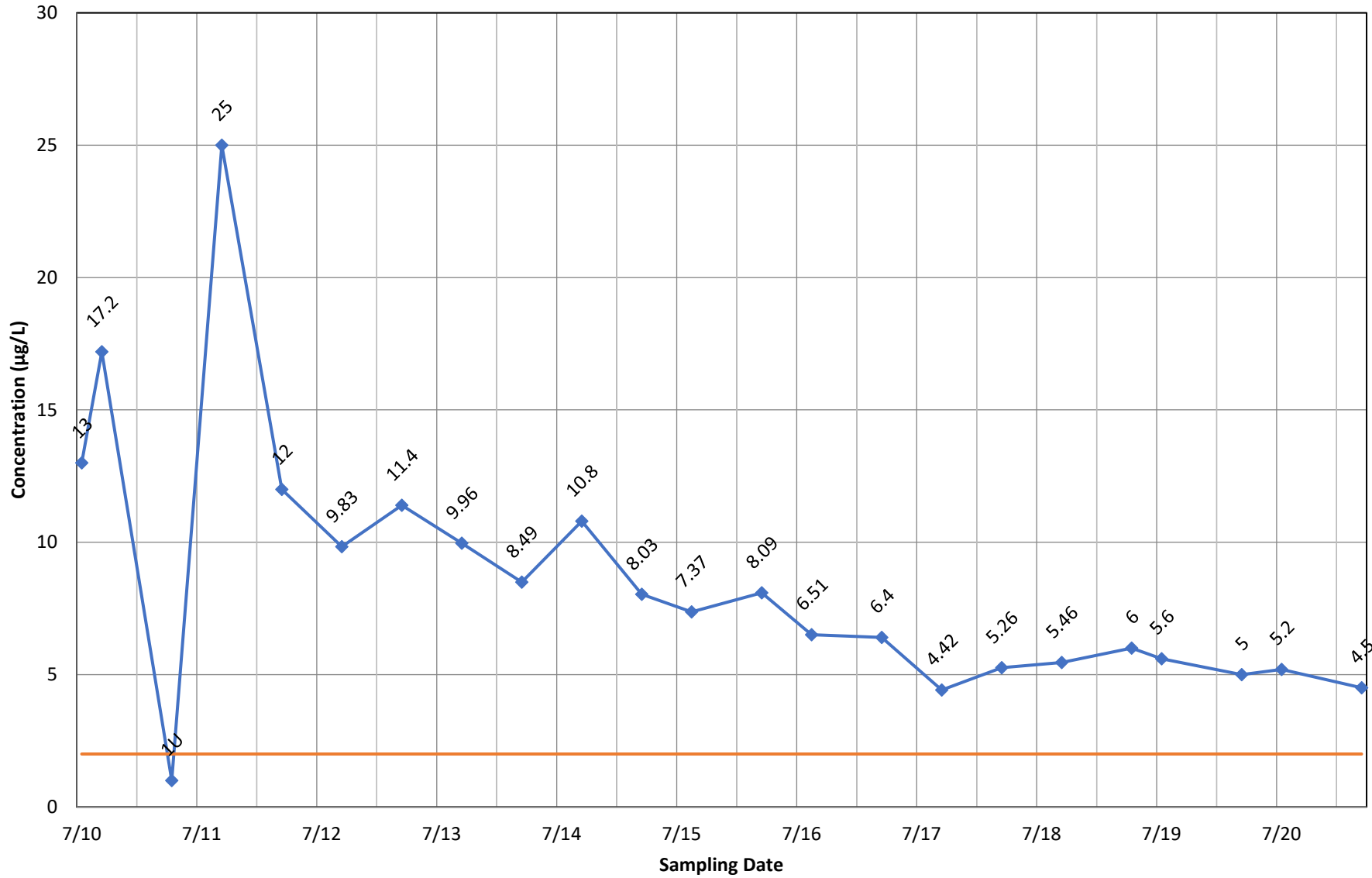


◆ Concentration — Current MCL

Monitoring Well MW-16A - Nitrate

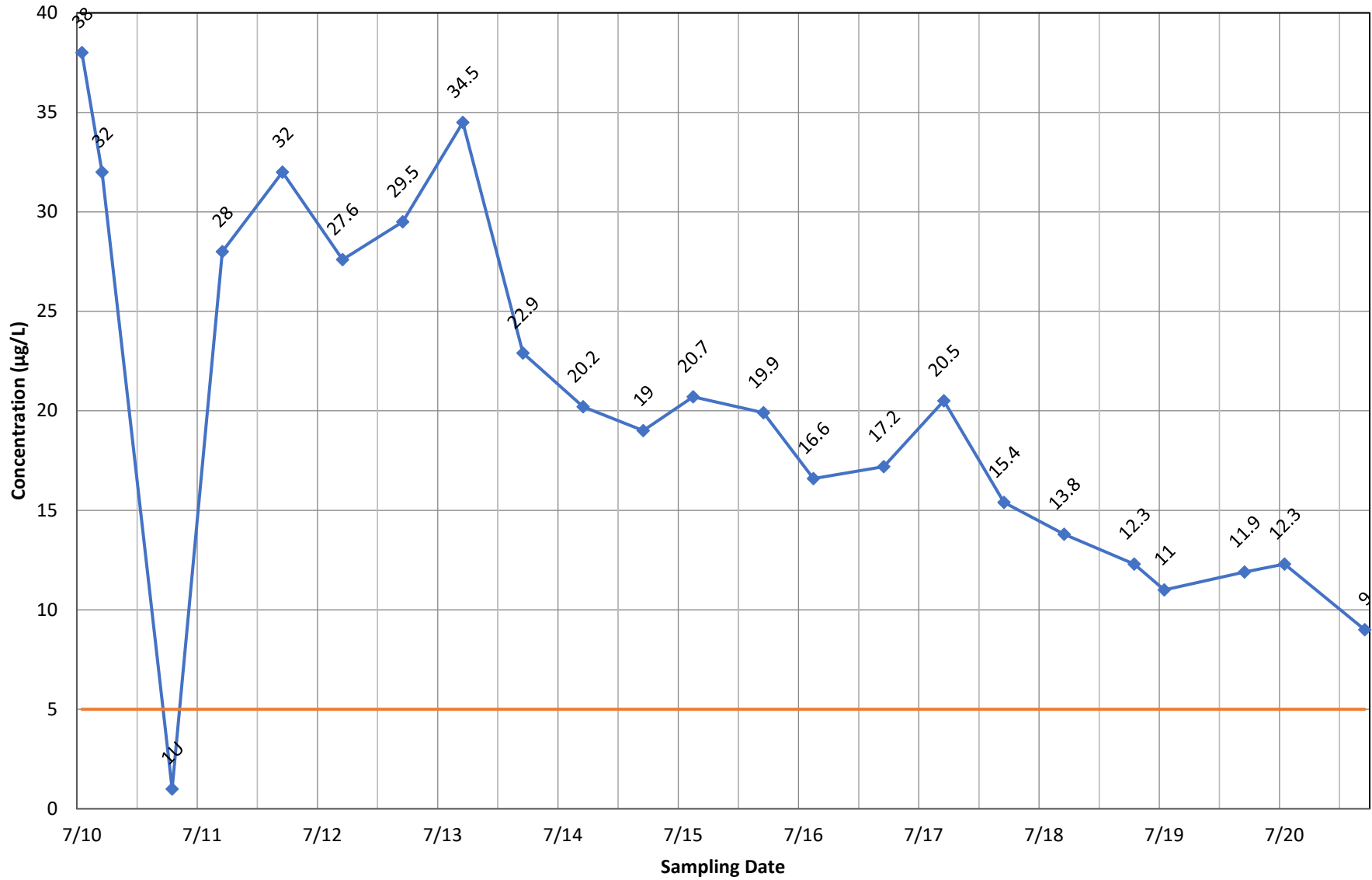


Monitoring Well MW-13B - Vinyl Chloride



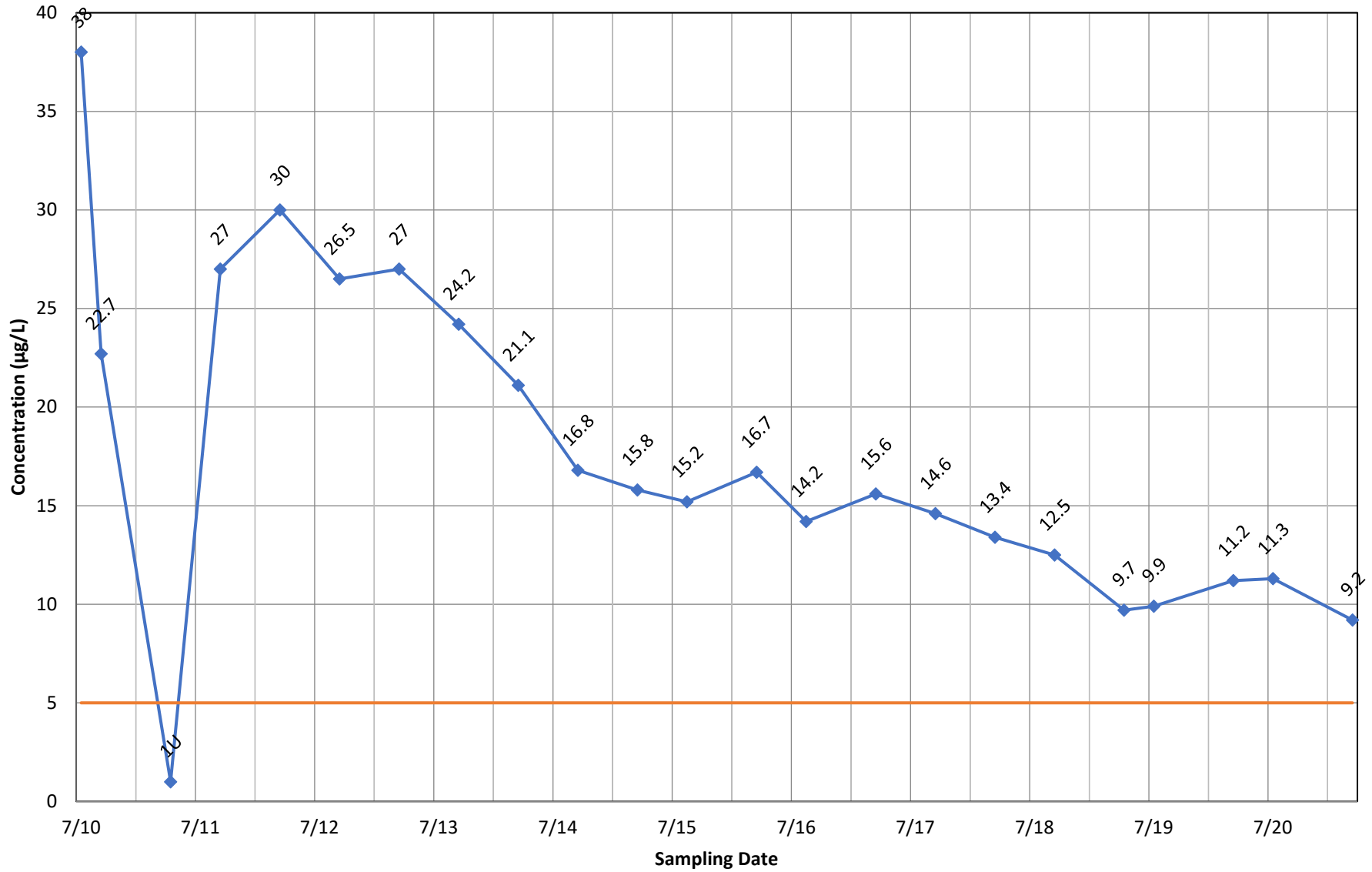
◆ Concentration — Current MCL

Monitoring Well MW-13B - Trichloroethene



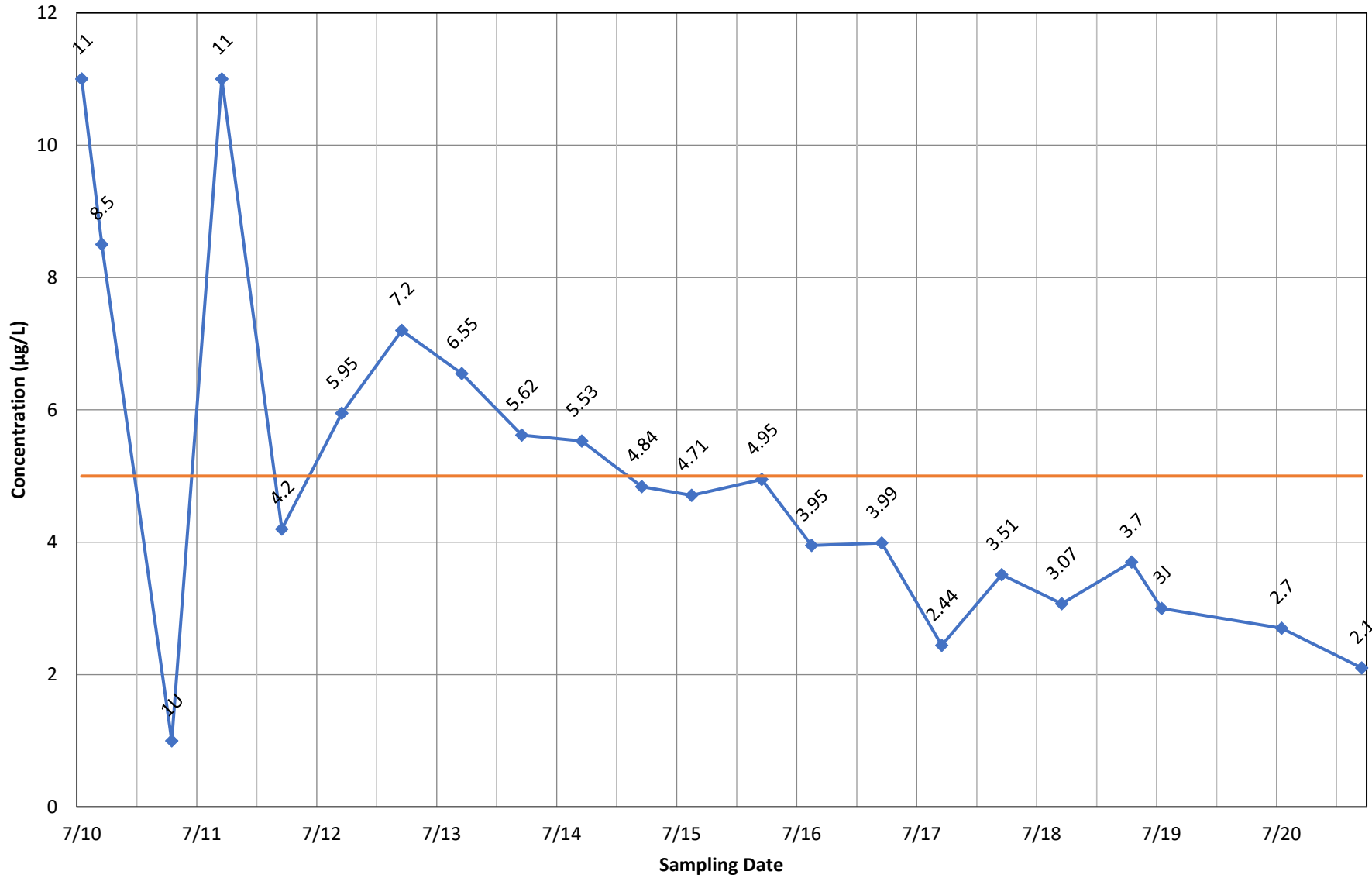
◆ Concentration — Current MCL

Monitoring Well MW-13B - Tetrachloroethene



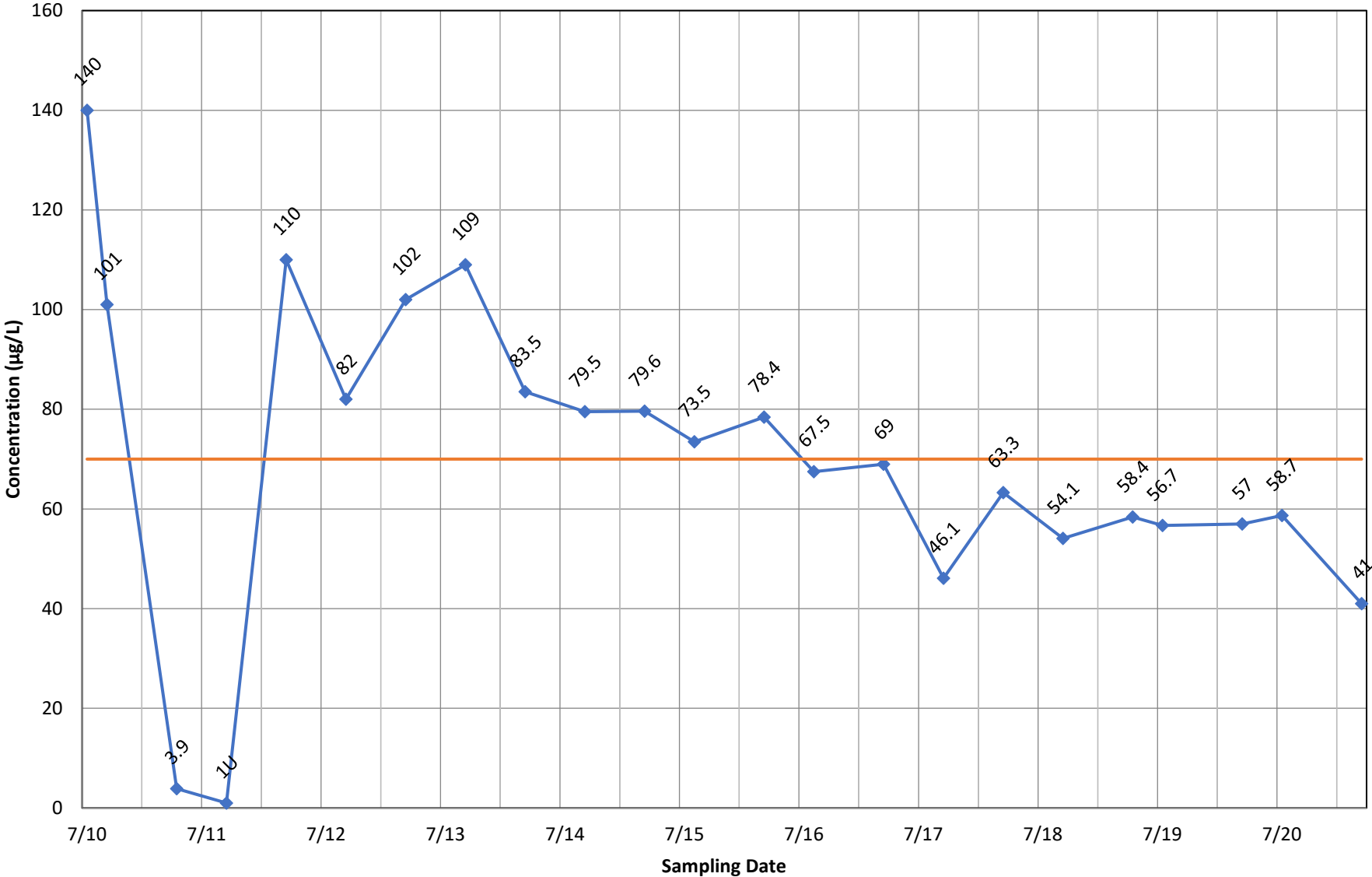
◆ Concentration — Current MCL

Monitoring Well MW-13B - Methylene Chloride



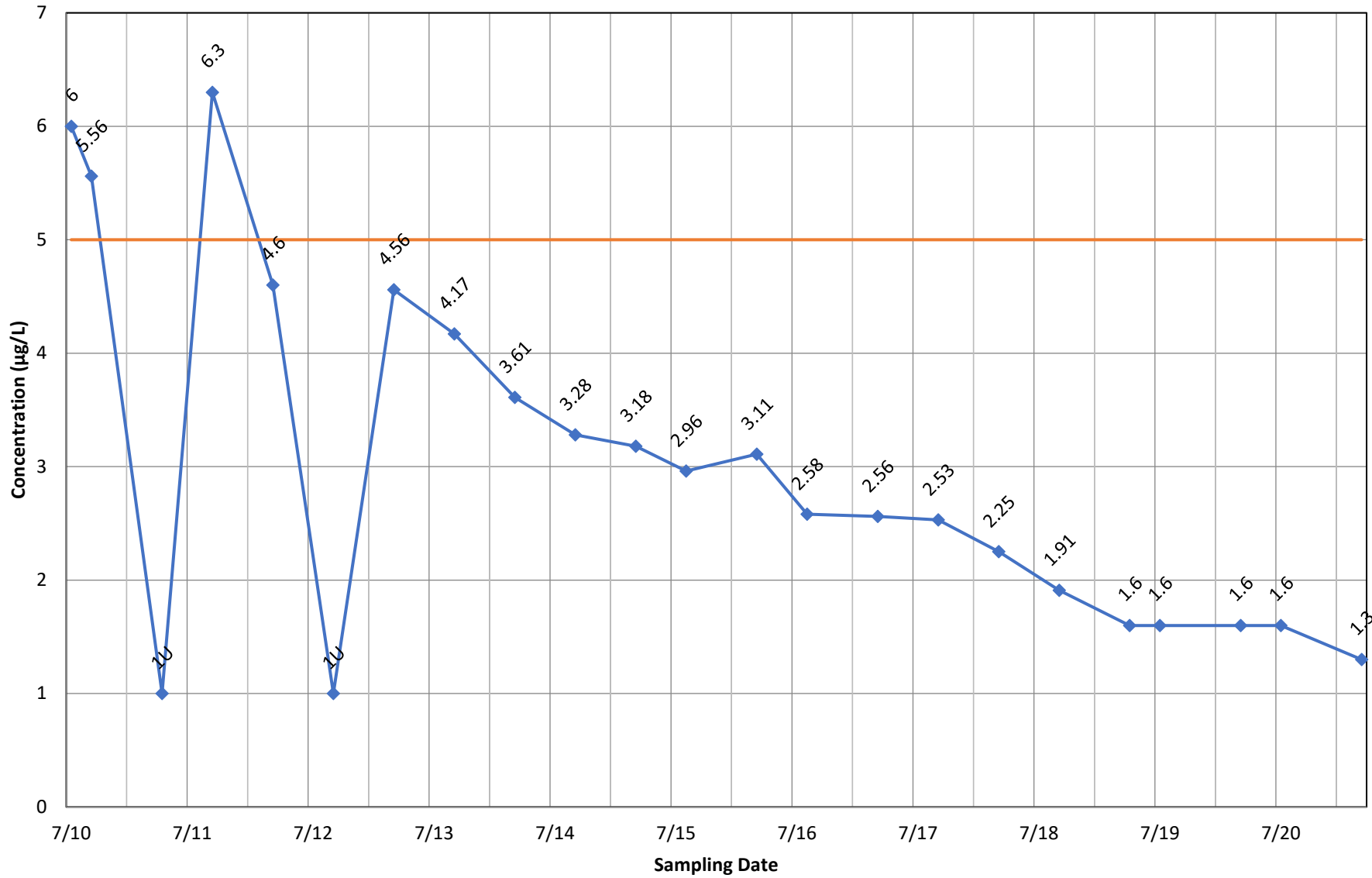
◆ Concentration — Current MCL

Monitoring Well MW-13B - cis-1,2-Dichloroethene



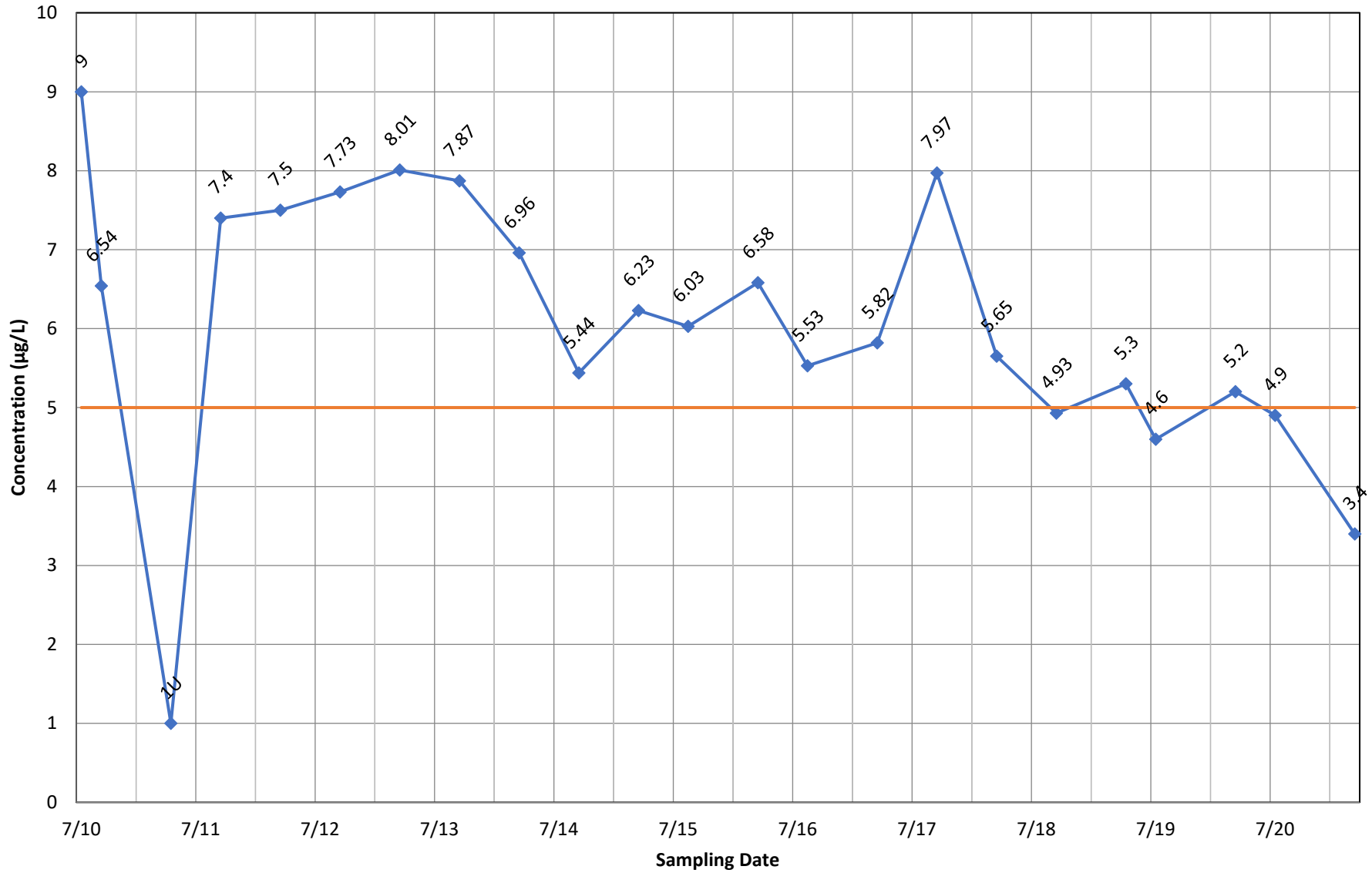
◆ Concentration — Current MCL

Monitoring Well MW-13B - Benzene



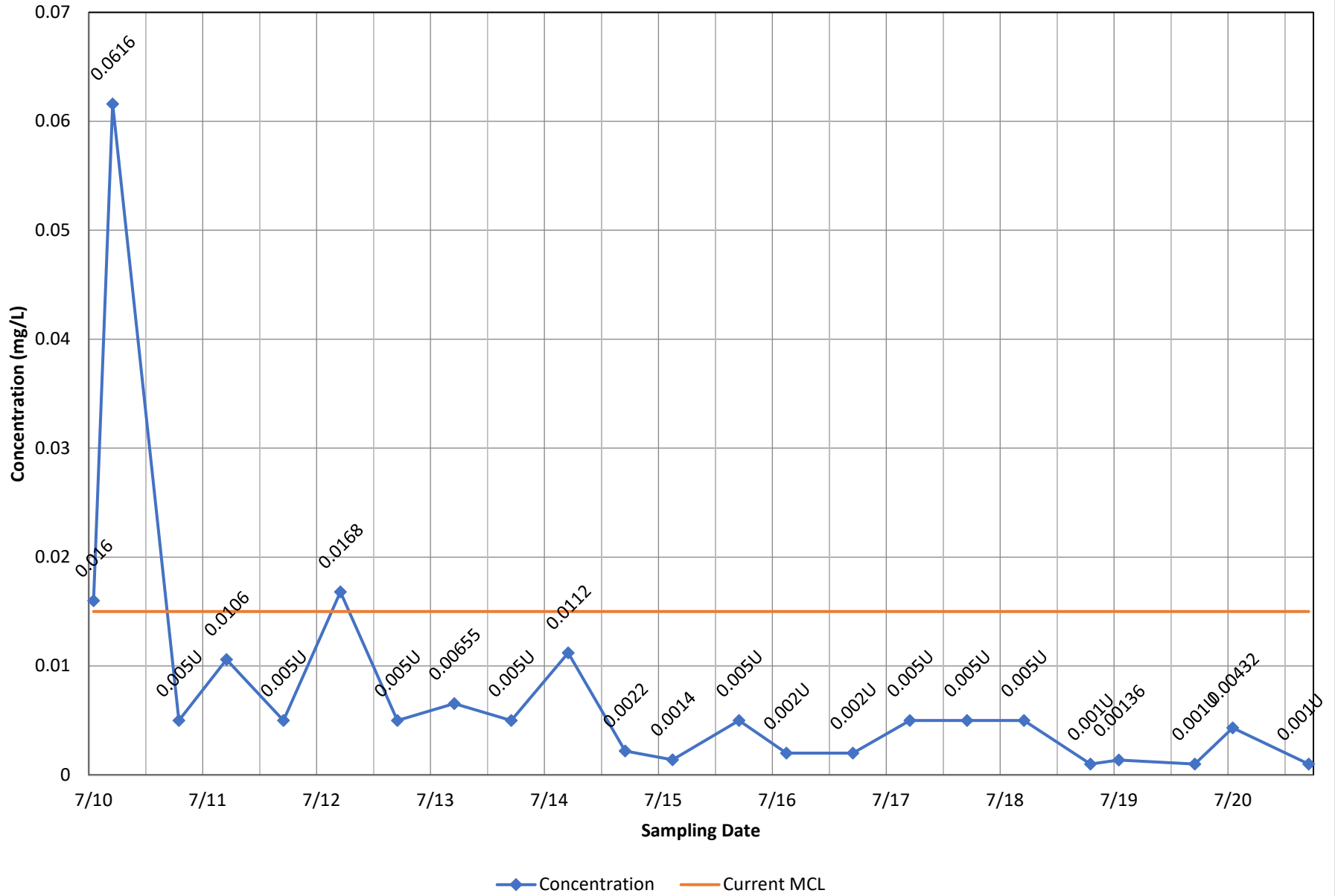
◆ Concentration — Current MCL

Monitoring Well MW-13B - 1,2-Dichloropropane

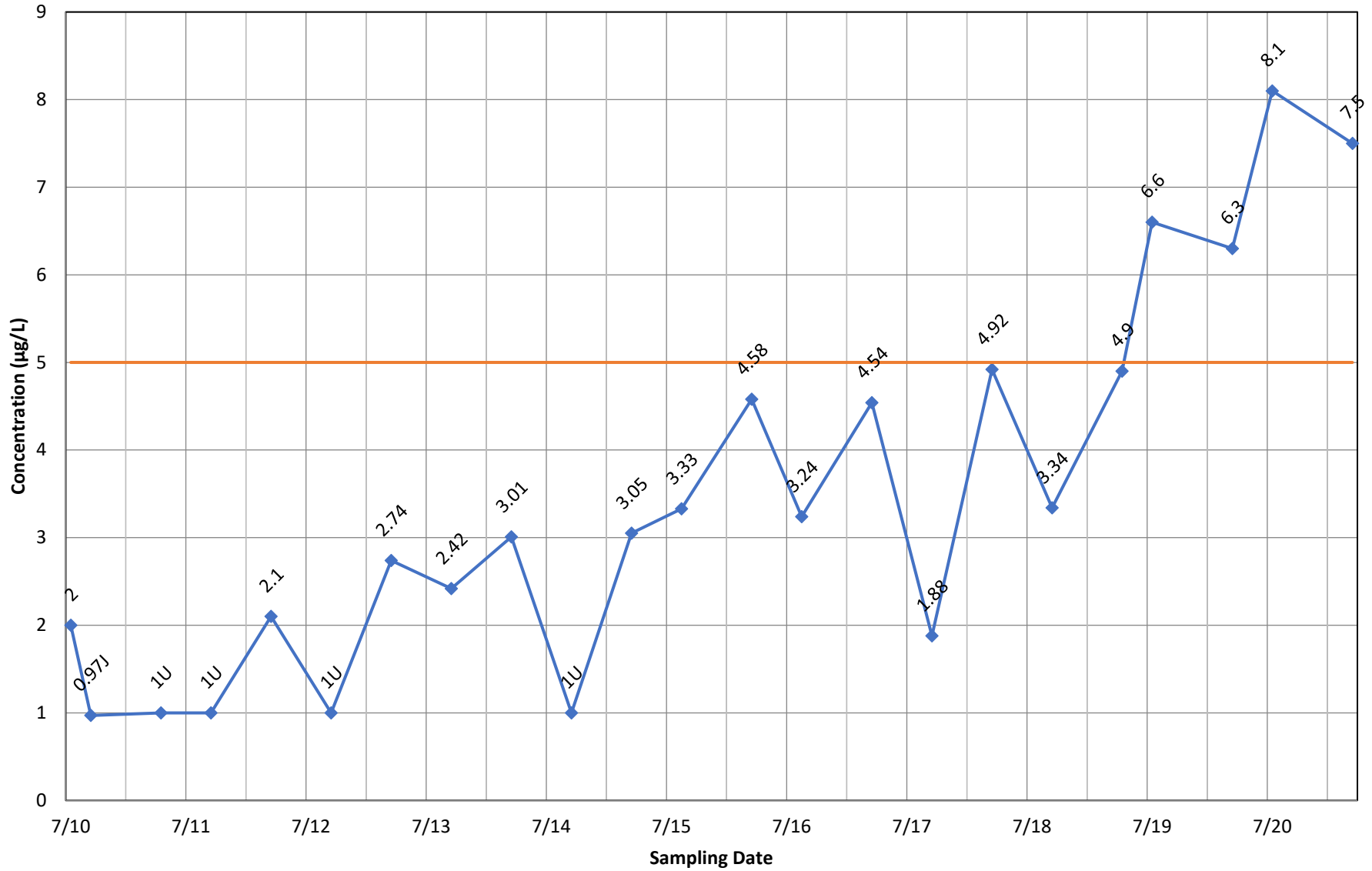


◆ Concentration — Current MCL

Monitoring Well MW-12 - Lead, total

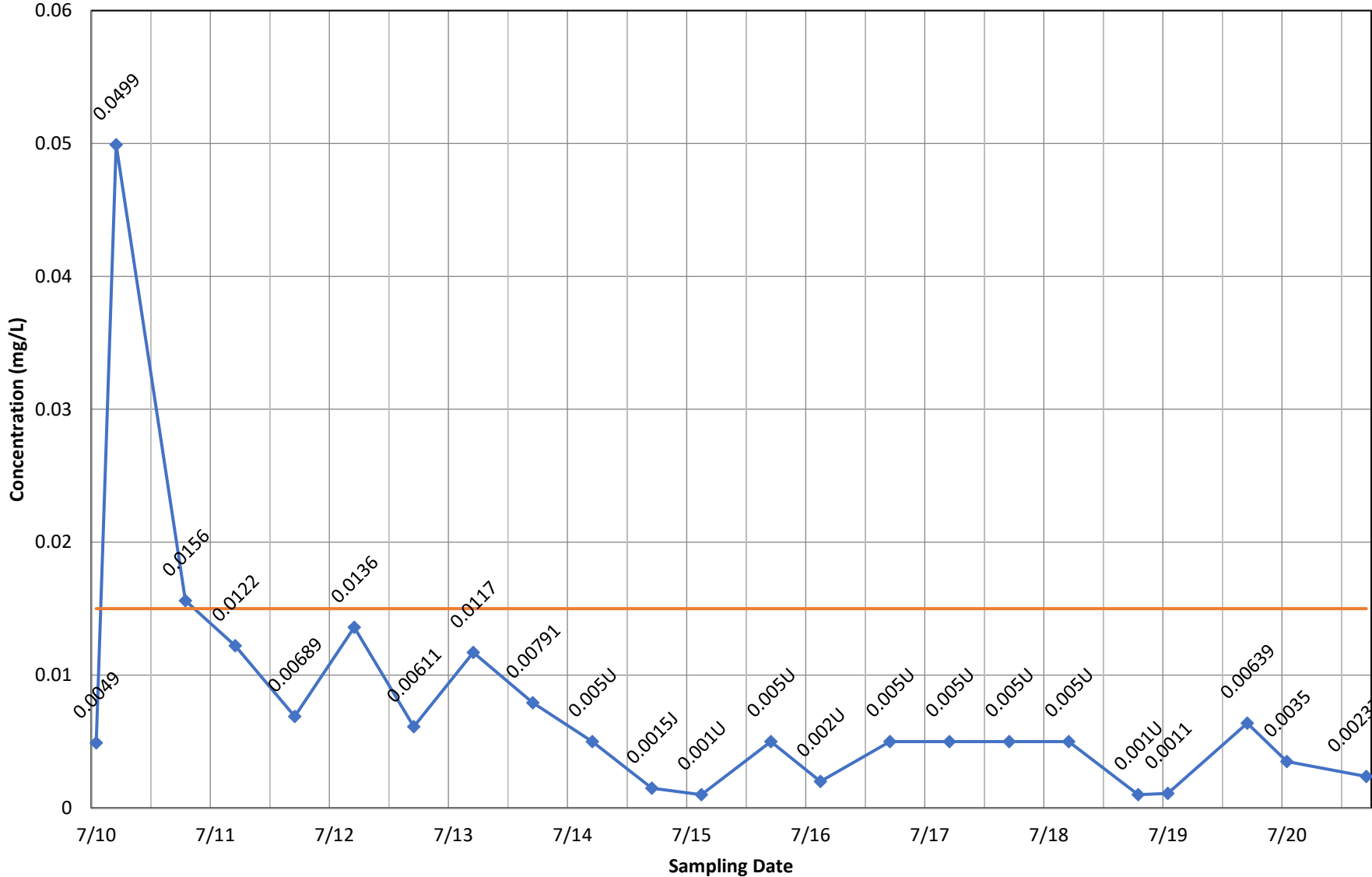


Monitoring Well MW-11B - Tetrachloroethene



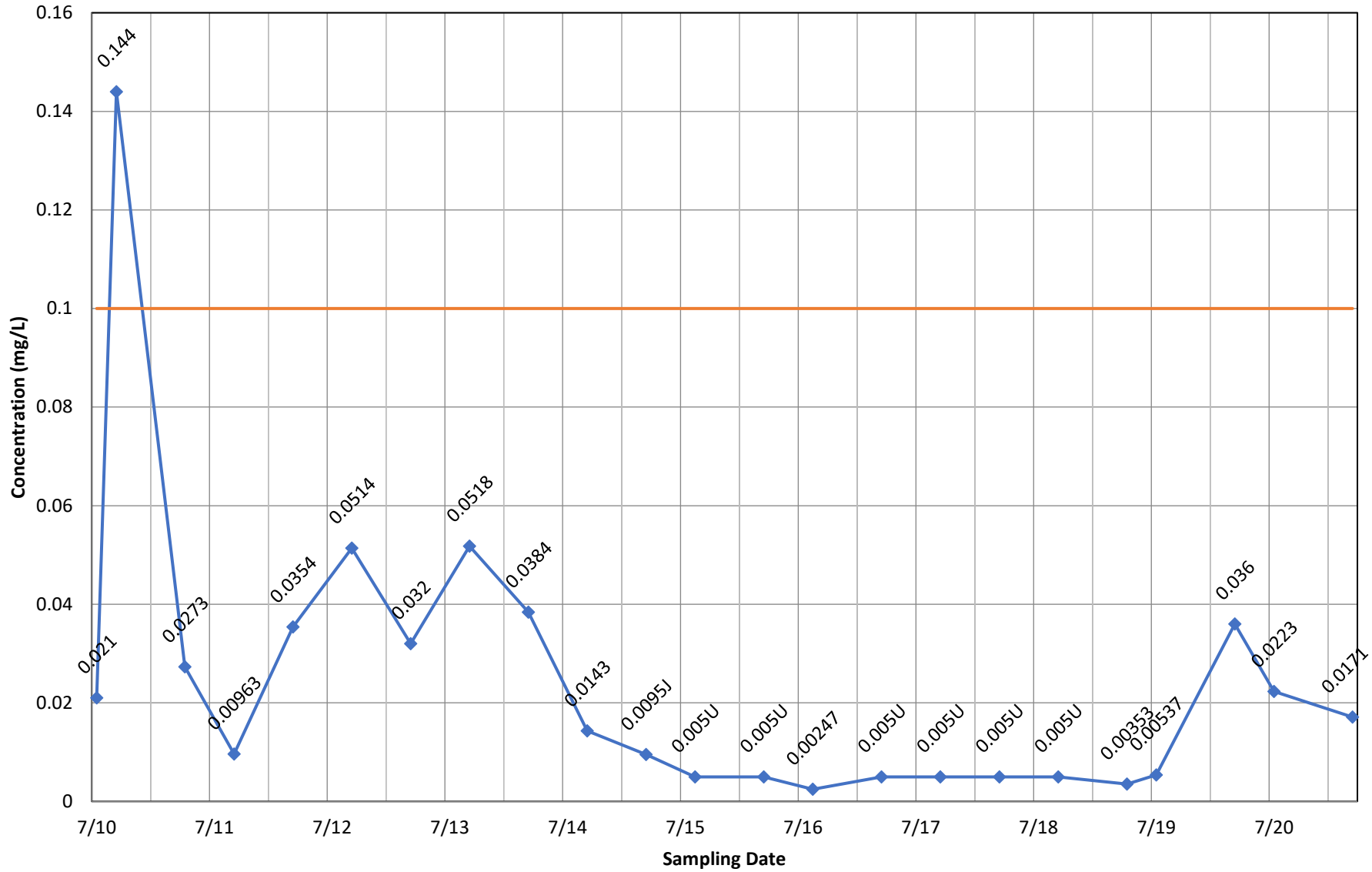
◆ Concentration — Current MCL

Monitoring Well MW-11A - Lead, total



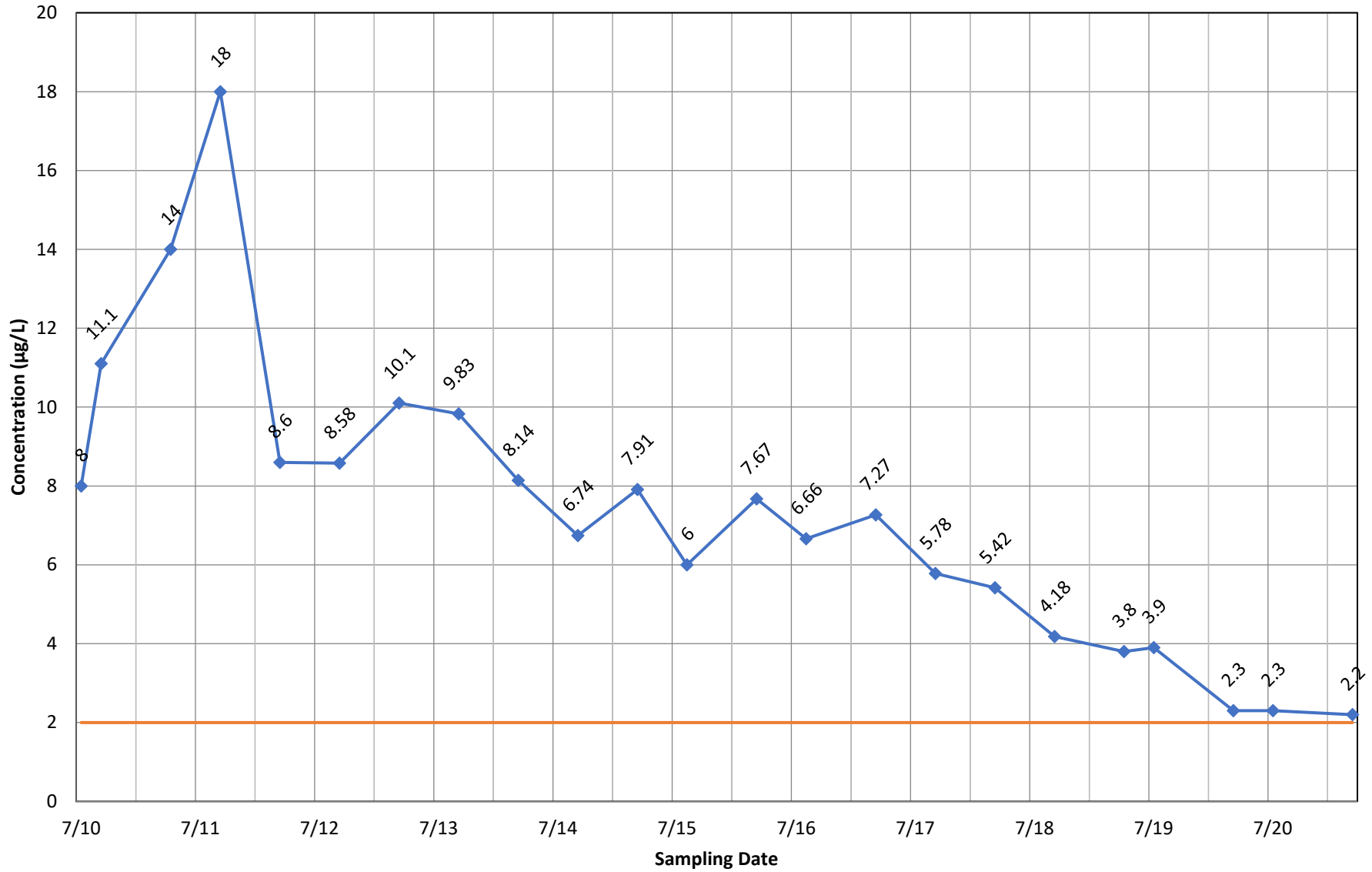
◆ Concentration — Current MCL

Monitoring Well MW-11A - Chromium, total



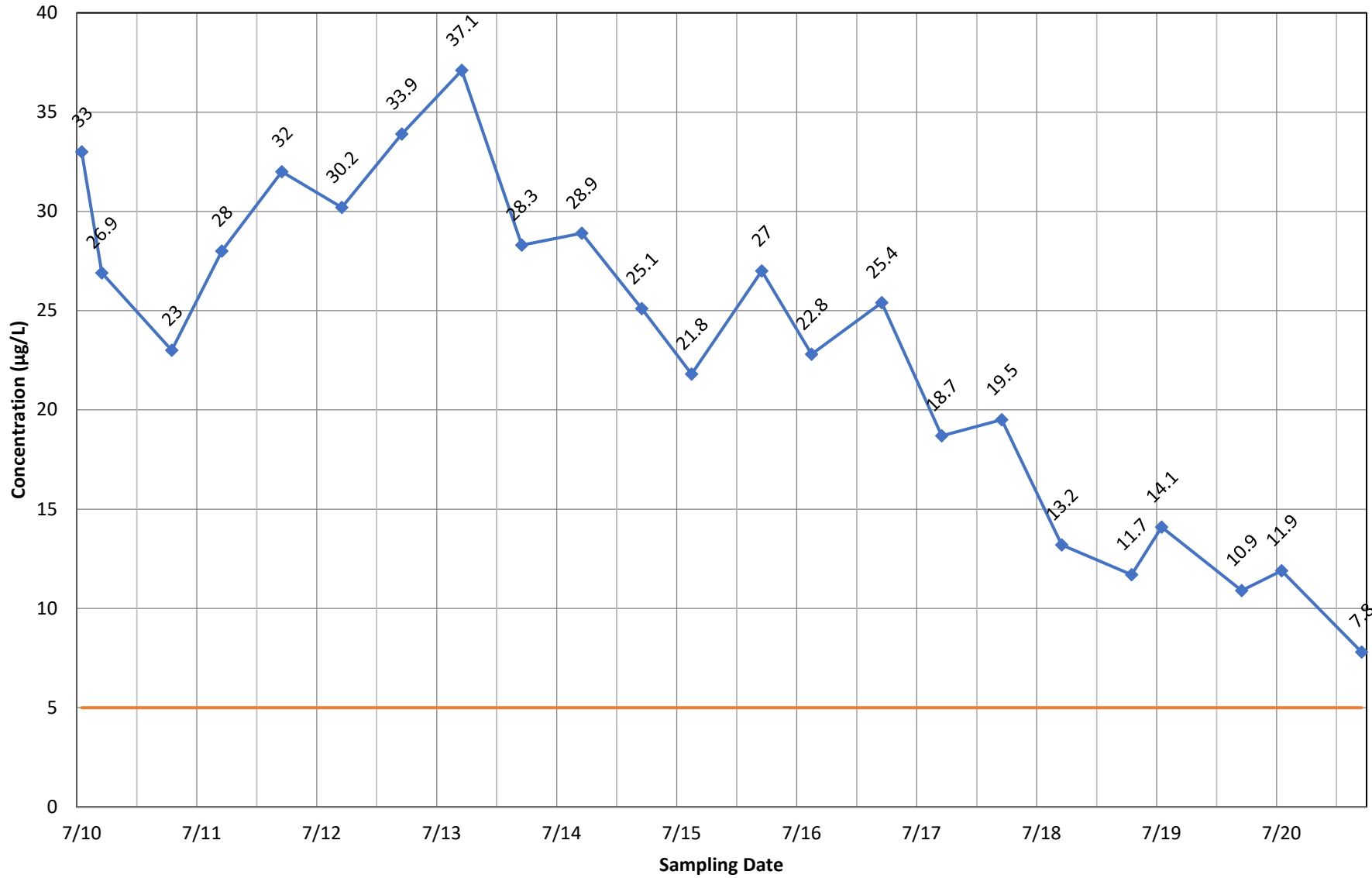
◆ Concentration — Current MCL

Monitoring Well MW-13A - Vinyl Chloride



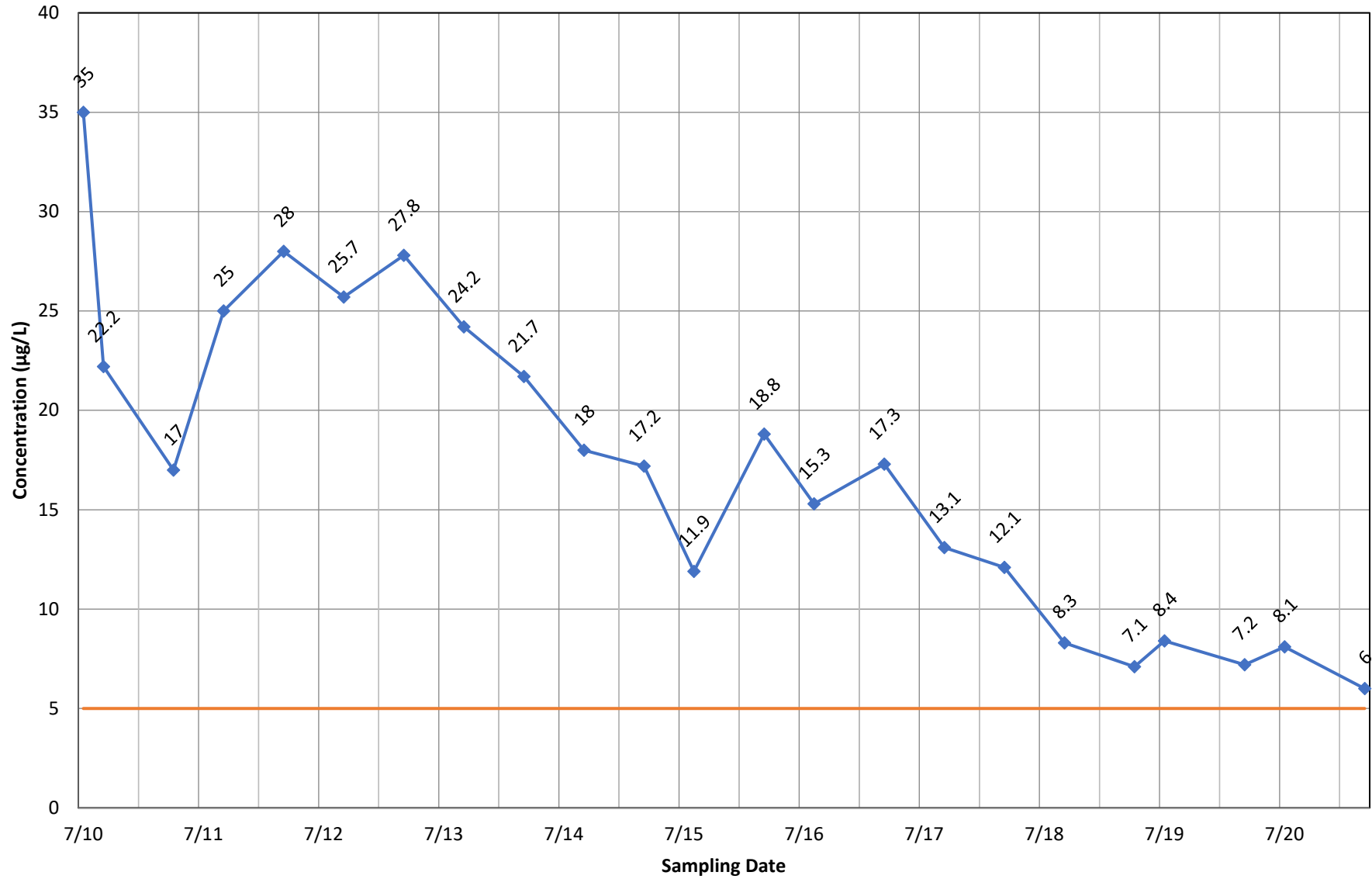
◆ Concentration — Current MCL

Monitoring Well MW-13A - Trichloroethene



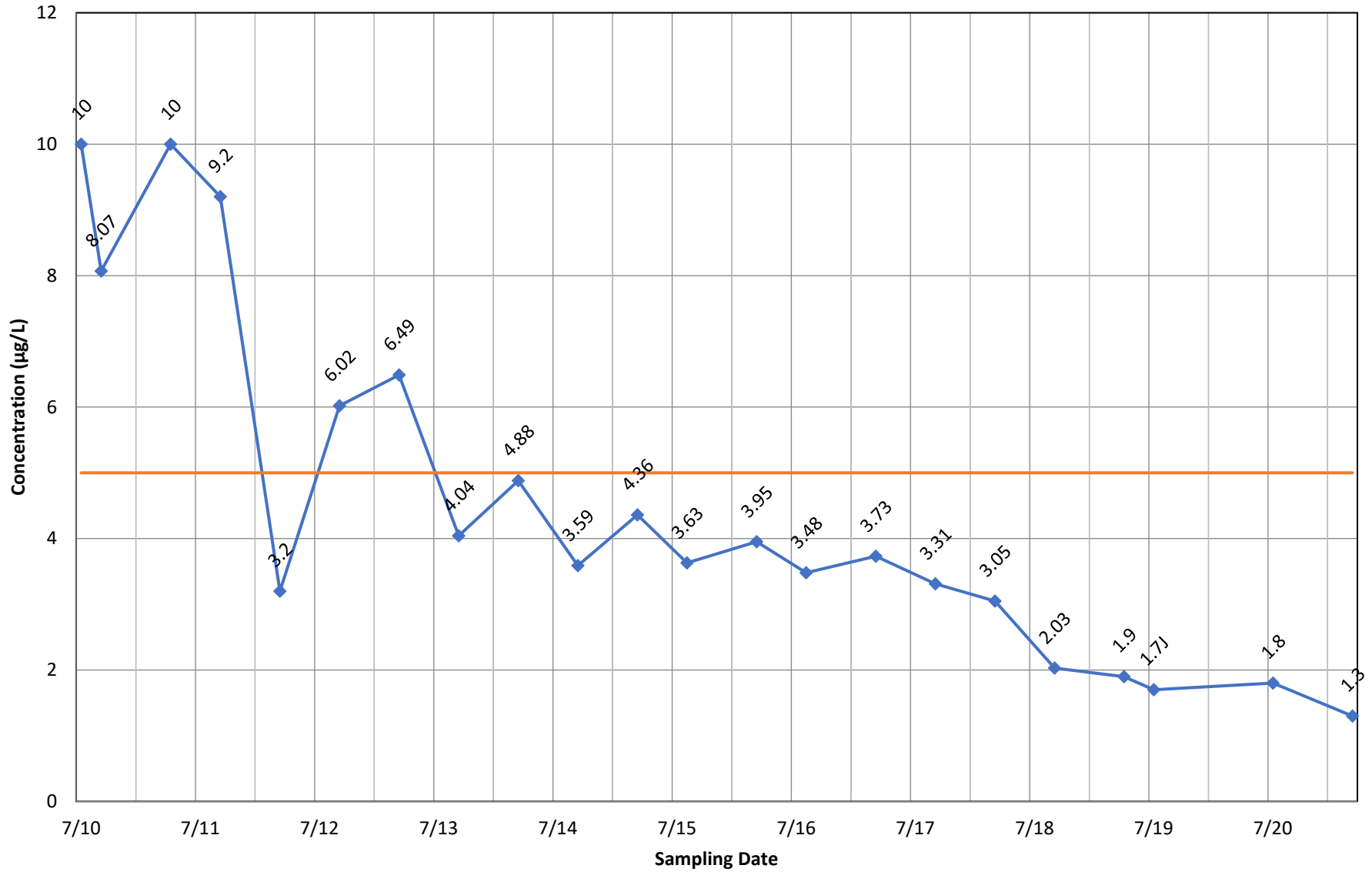
◆ Concentration — Current MCL

Monitoring Well MW-13A - Tetrachloroethene



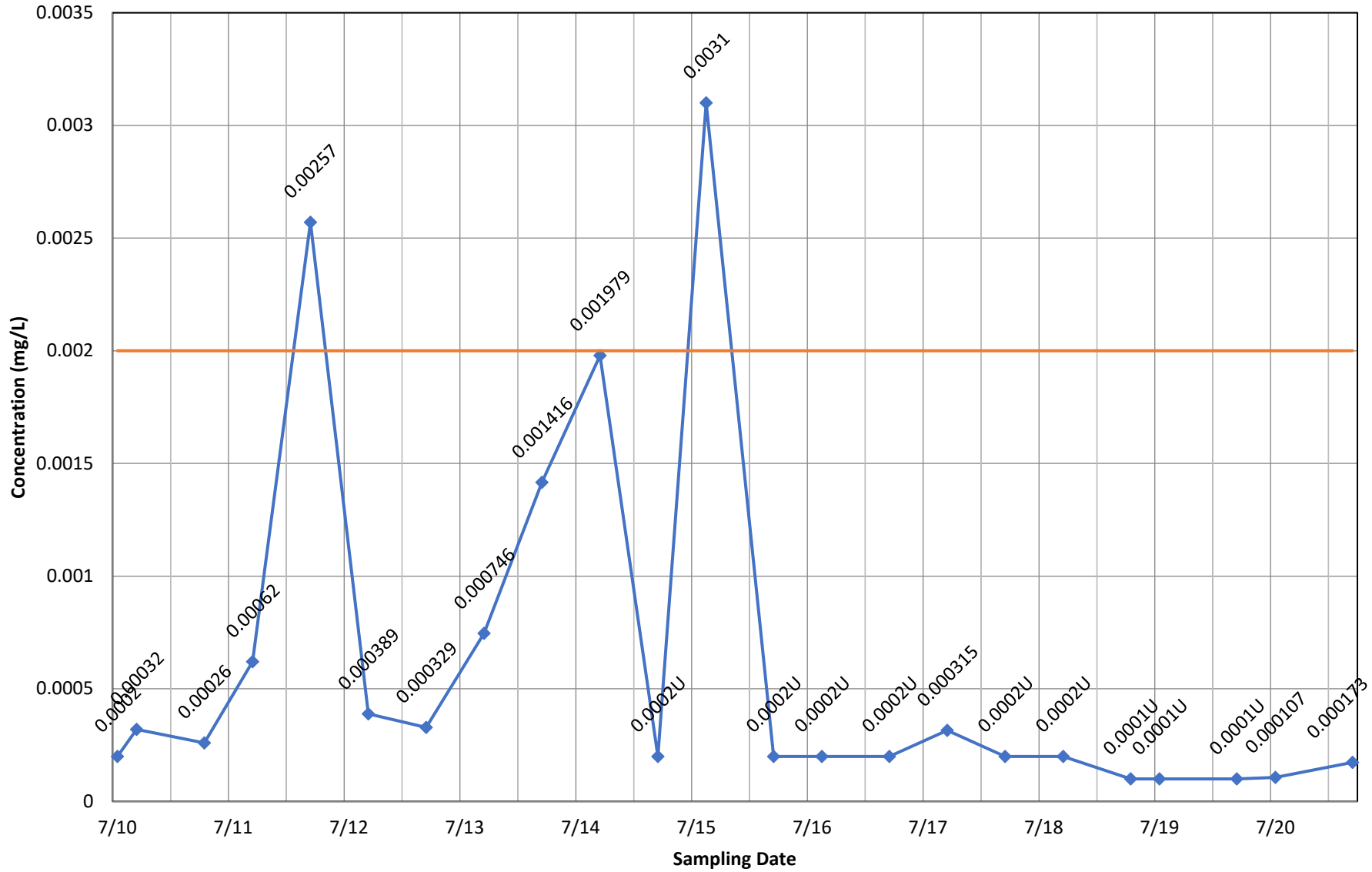
◆ Concentration — Current MCL

Monitoring Well MW-13A - Methylene Chloride



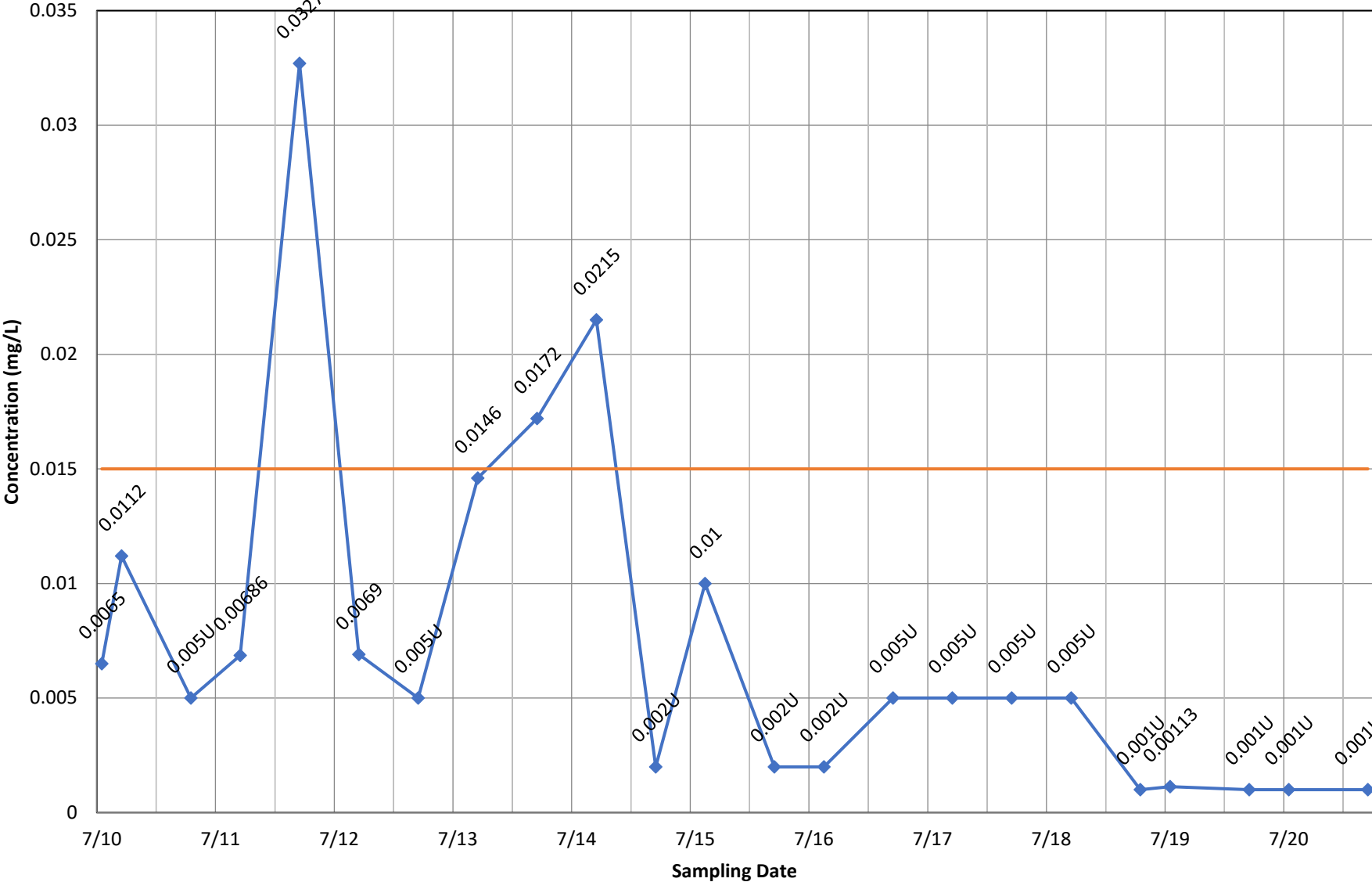
◆ Concentration — Current MCL

Monitoring Well MW-13A - Mercury, total



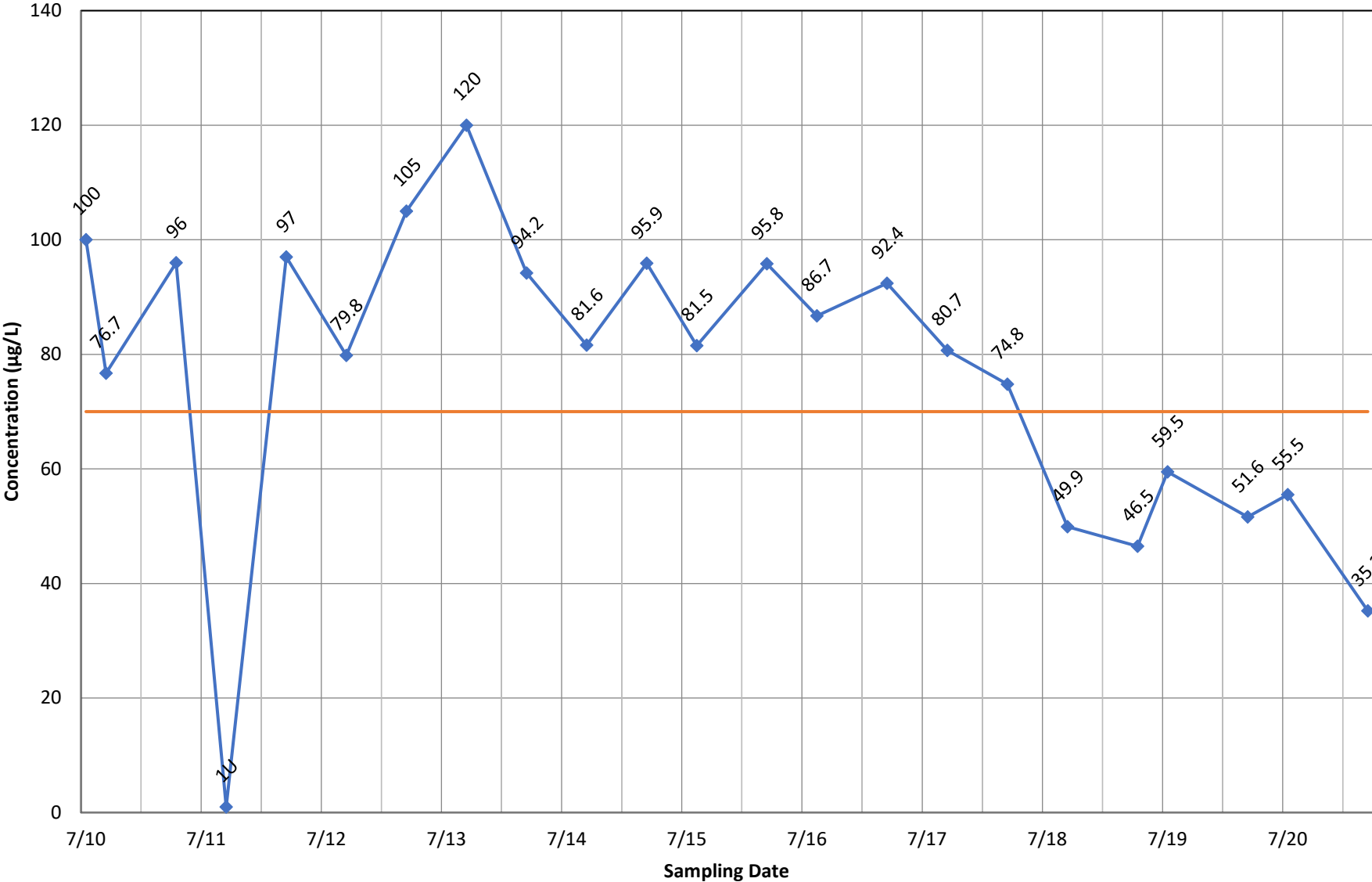
◆ Concentration — Current MCL

Monitoring Well MW-13A - Lead, total



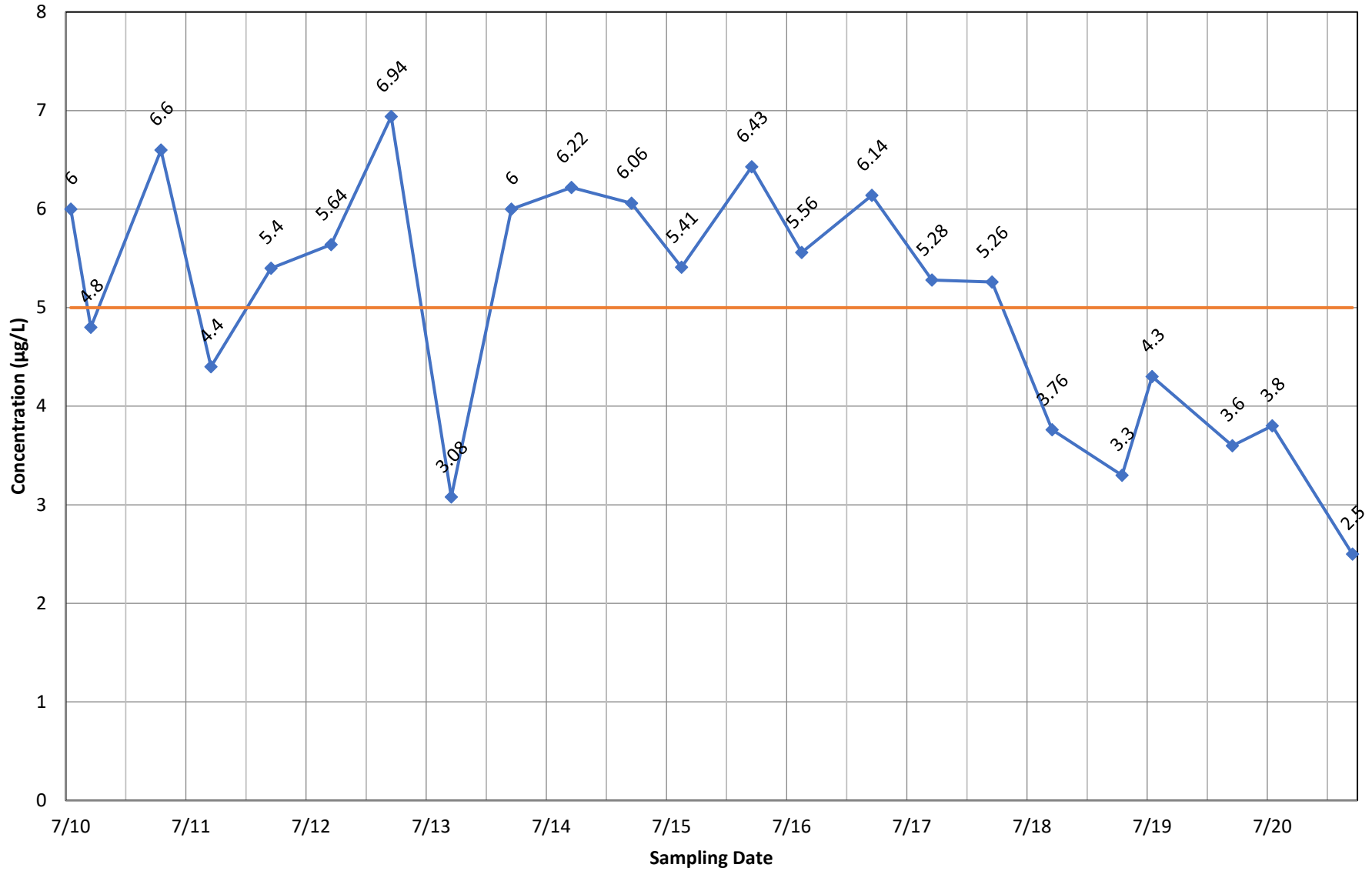
◆ Concentration — Current MCL

Monitoring Well MW-13A - cis-1,2-Dichloroethene



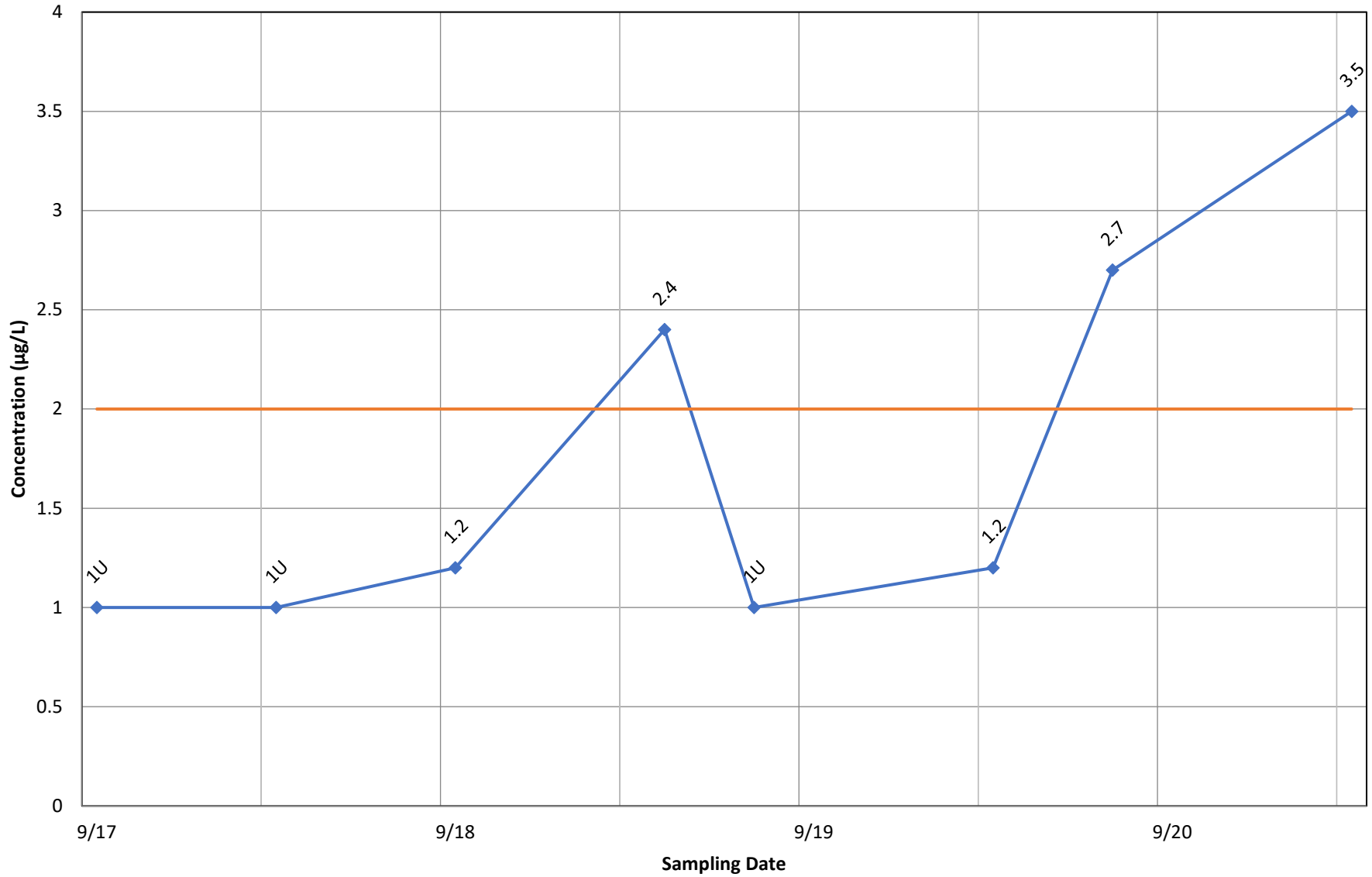
◆ Concentration — Current MCL

Monitoring Well MW-13A - 1,2-Dichloropropane



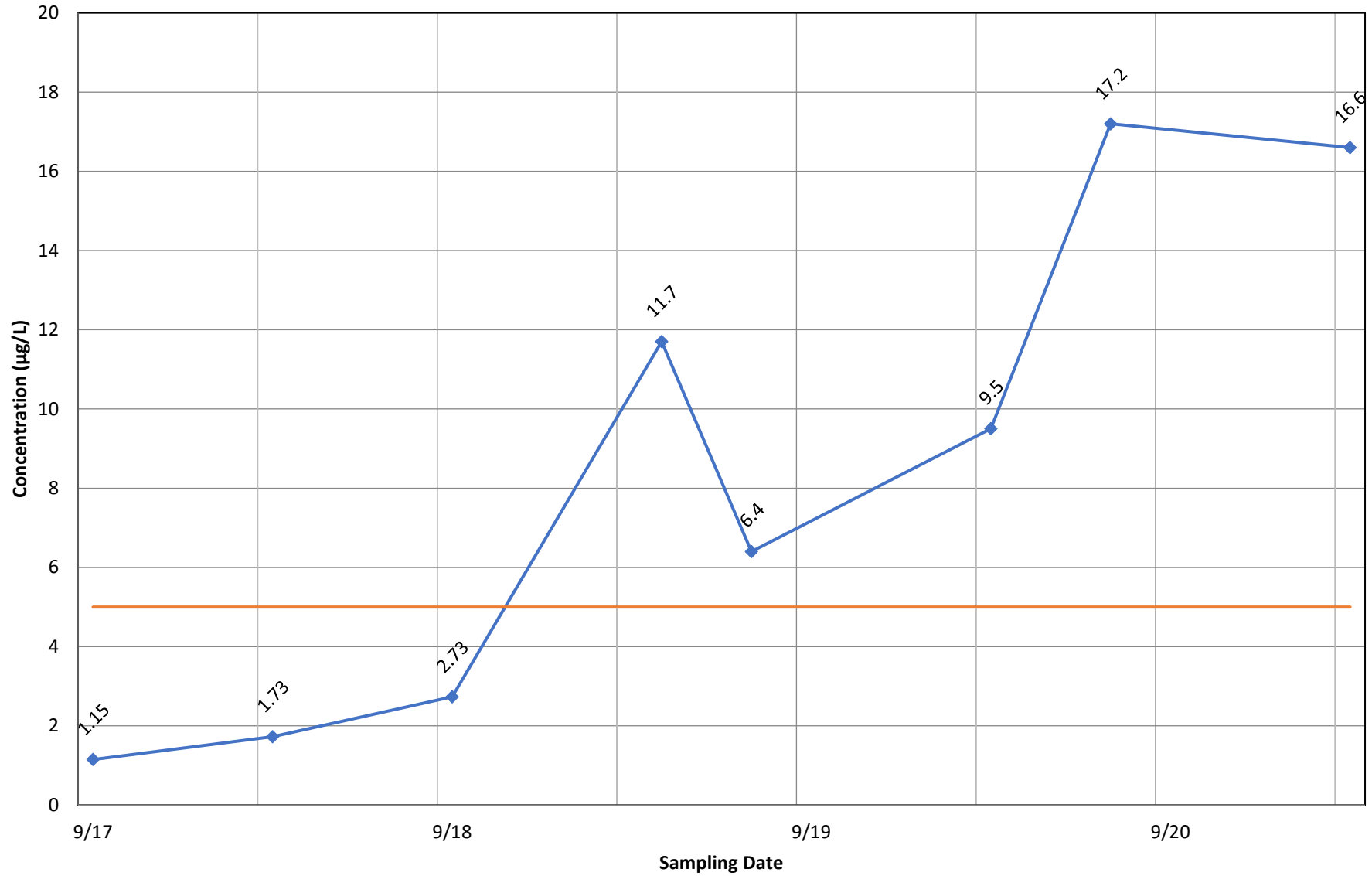
◆ Concentration — Current MCL

Monitoring Well MW-21B - Vinyl Chloride



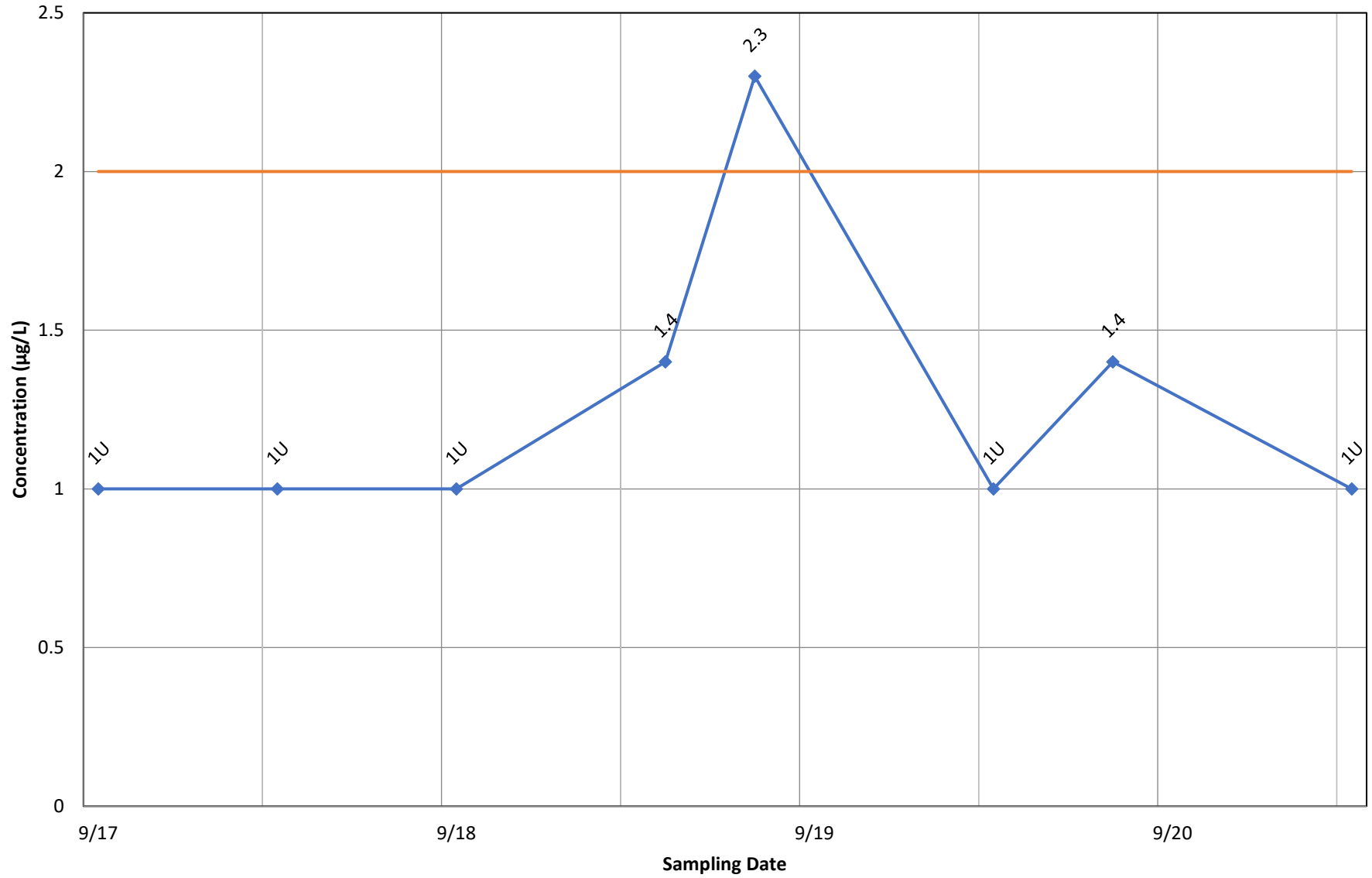
◆ Concentration — Current MCL

Monitoring Well MW-21B - Trichloroethene



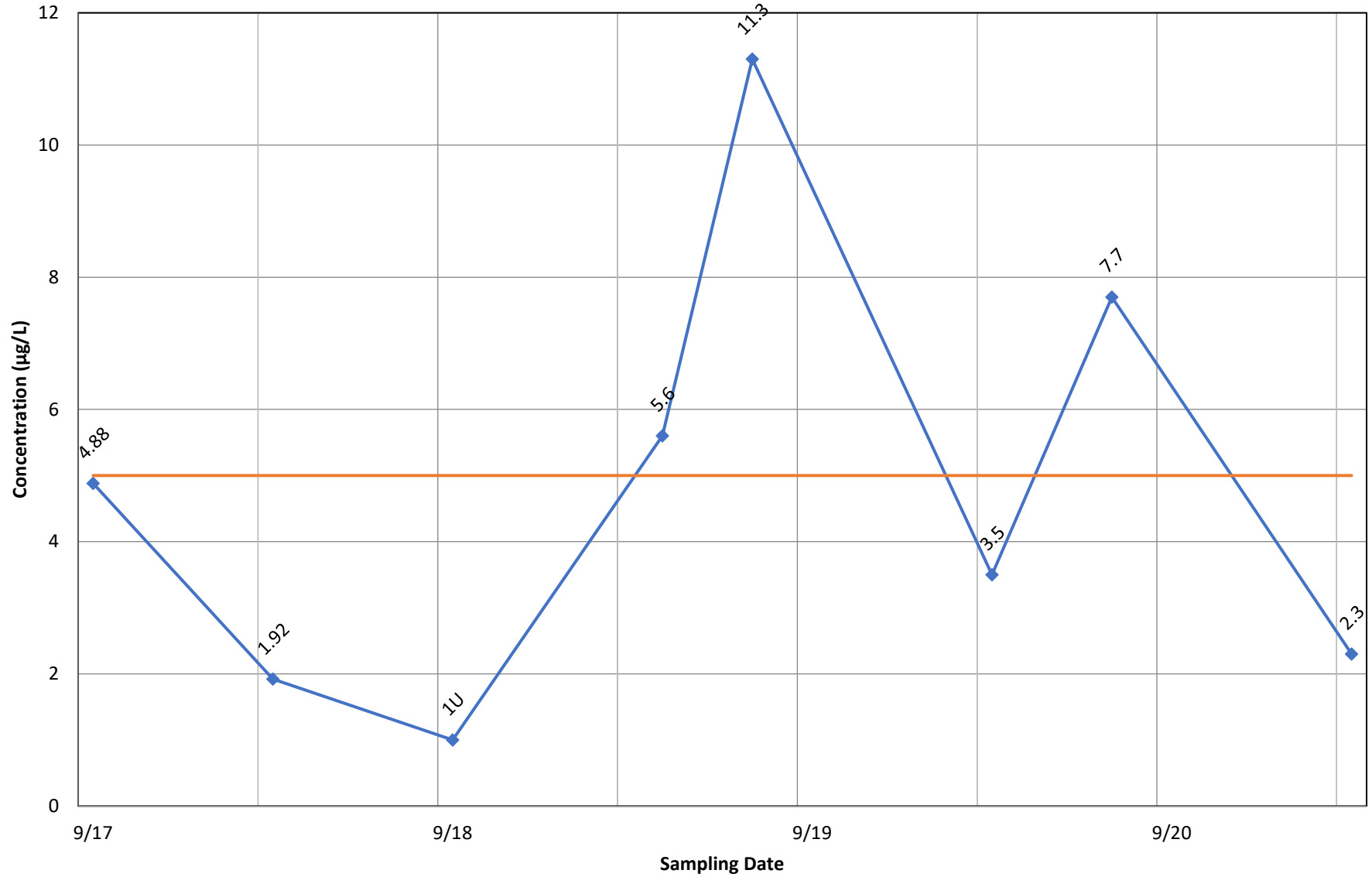
◆ Concentration — Current MCL

Monitoring Well MW-21A - Vinyl Chloride



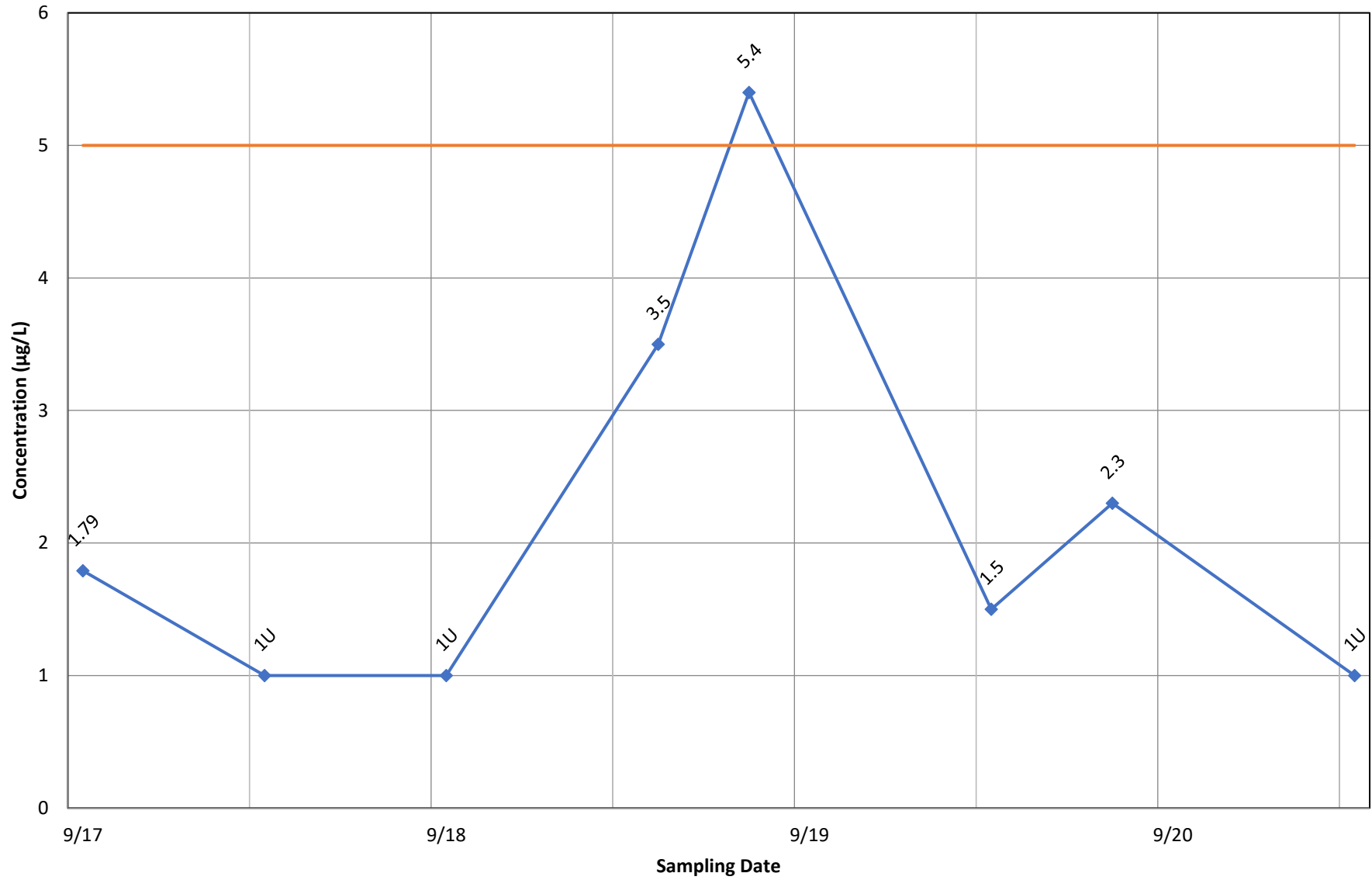
◆ Concentration — Current MCL

Monitoring Well MW-21A - Trichloroethene



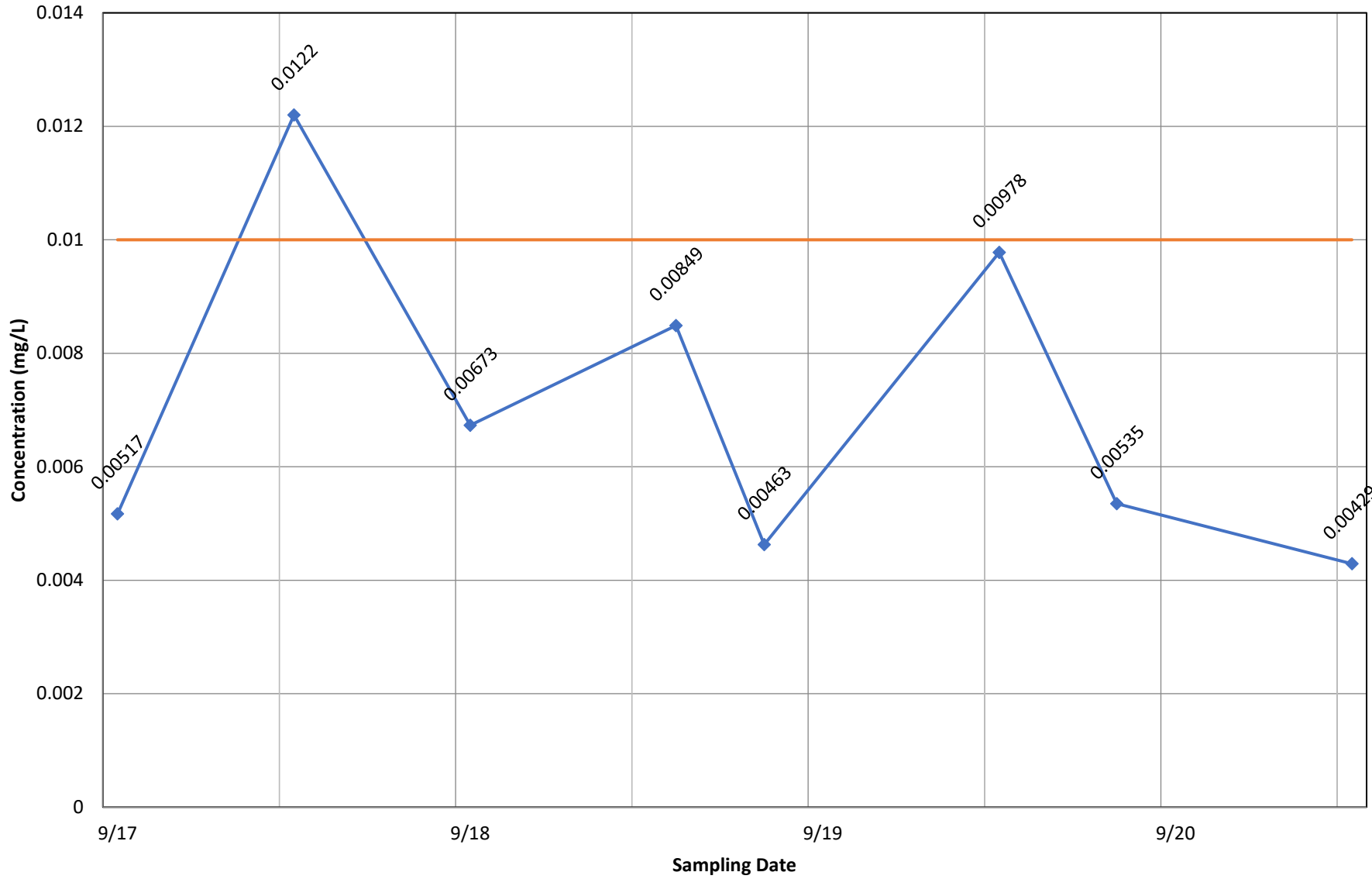
◆ Concentration — Current MCL

Monitoring Well MW-21A - Tetrachloroethene



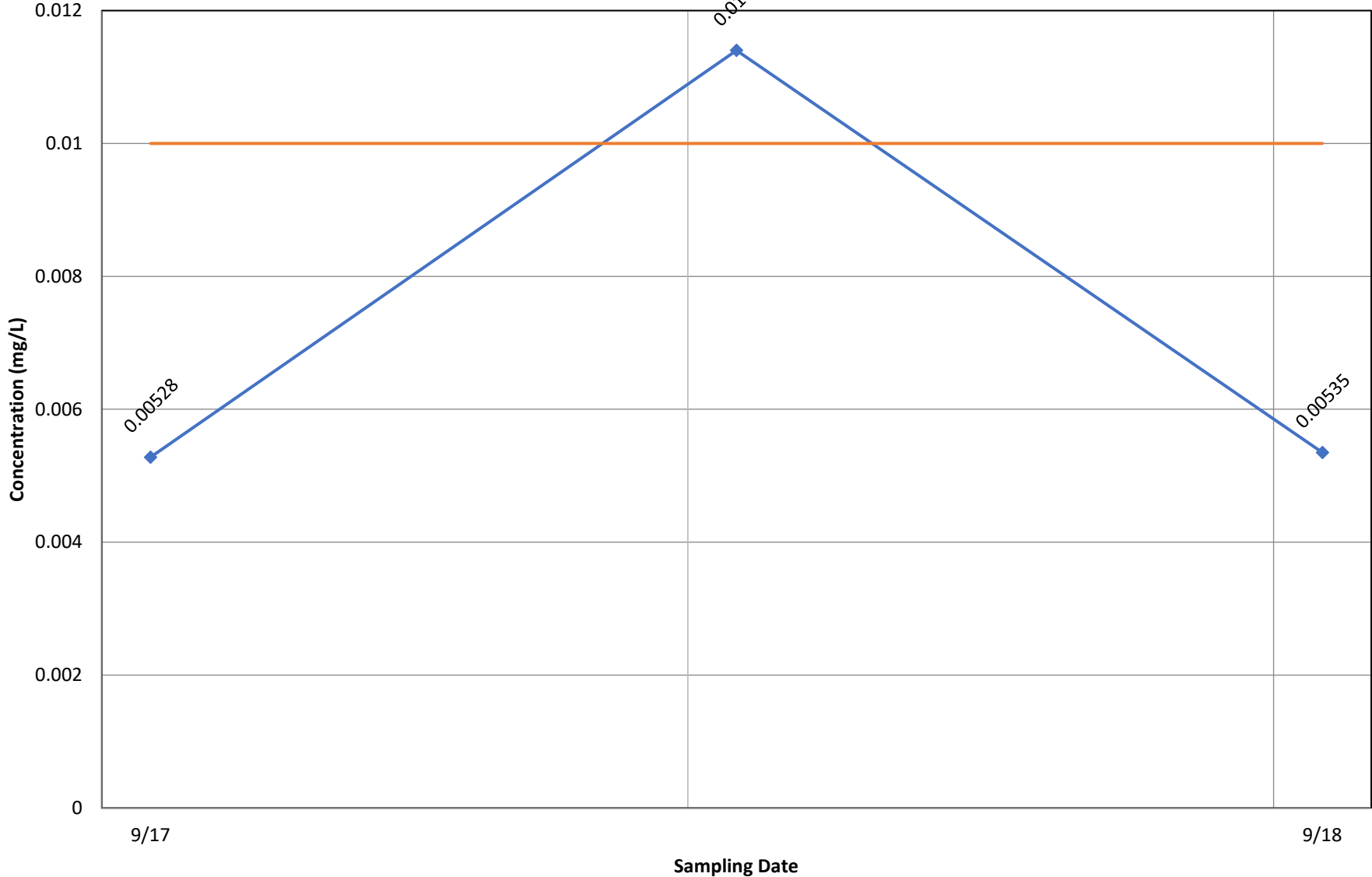
◆ Concentration — Current MCL

Monitoring Well MW-22B - Arsenic, total



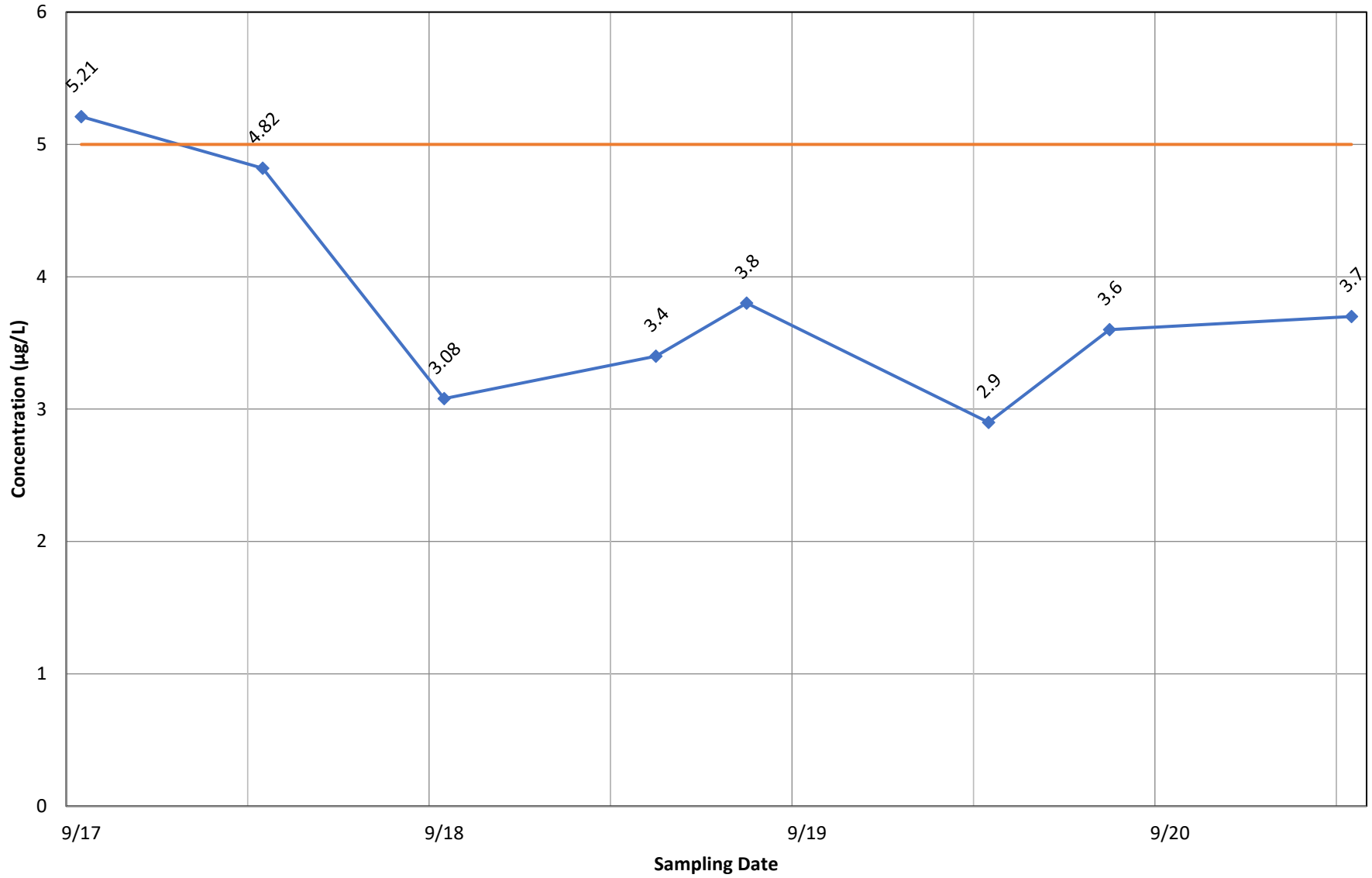
◆ Concentration — Current MCL

Monitoring Well MW-22B - Arsenic, dissolved



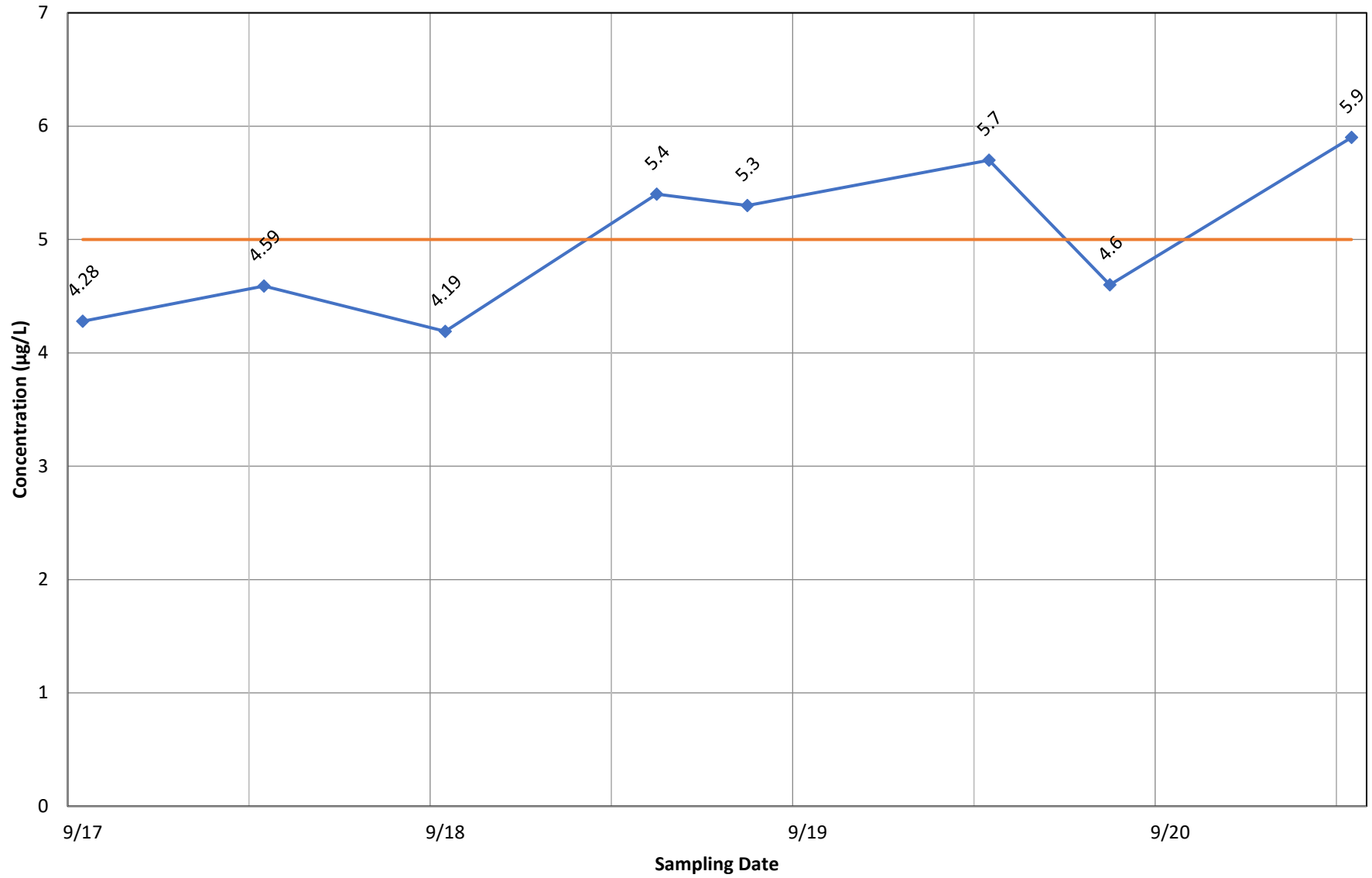
◆ Concentration — Current MCL

Monitoring Well MW-22A - Trichloroethene



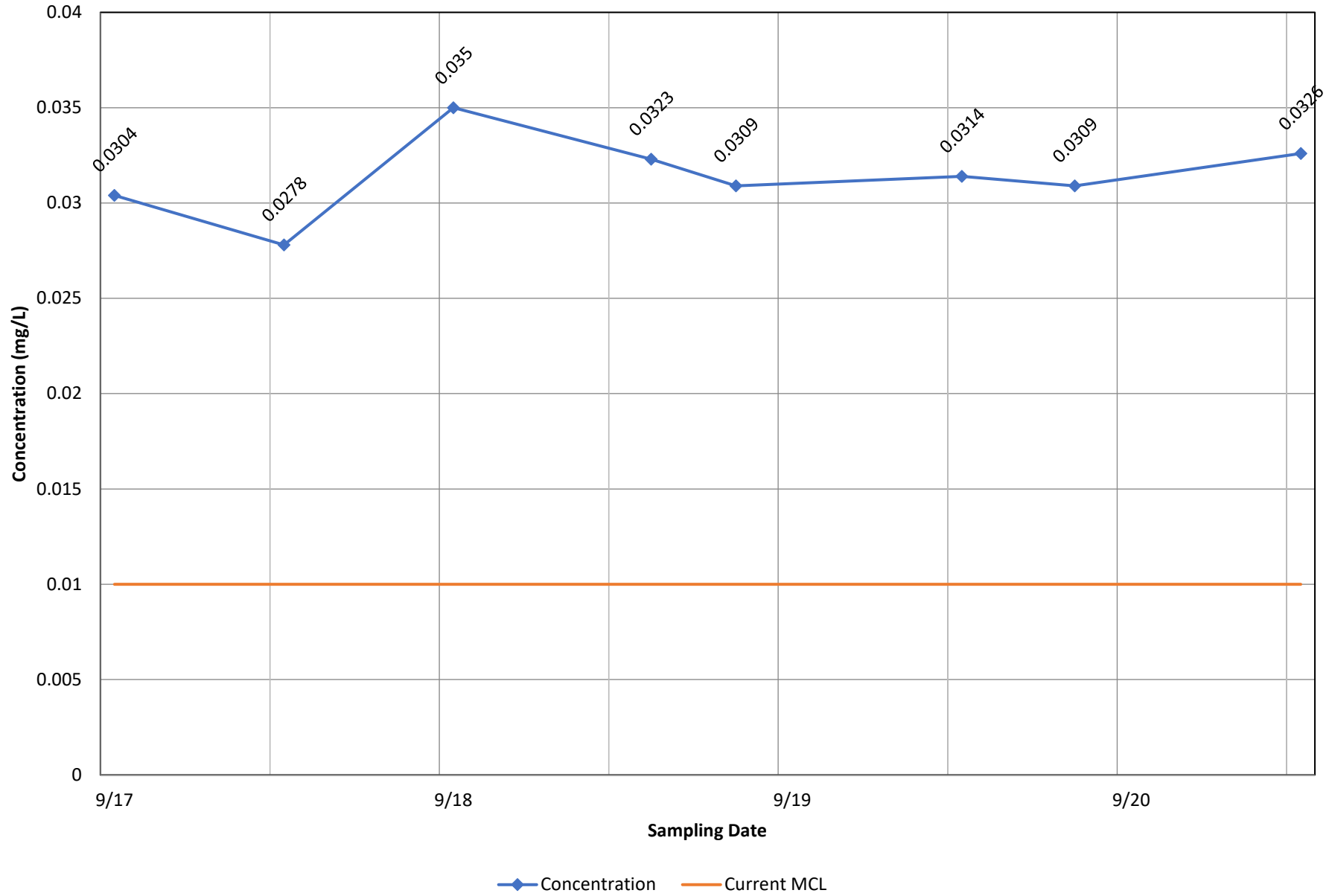
◆ Concentration — Current MCL

Monitoring Well MW-24B - Benzene

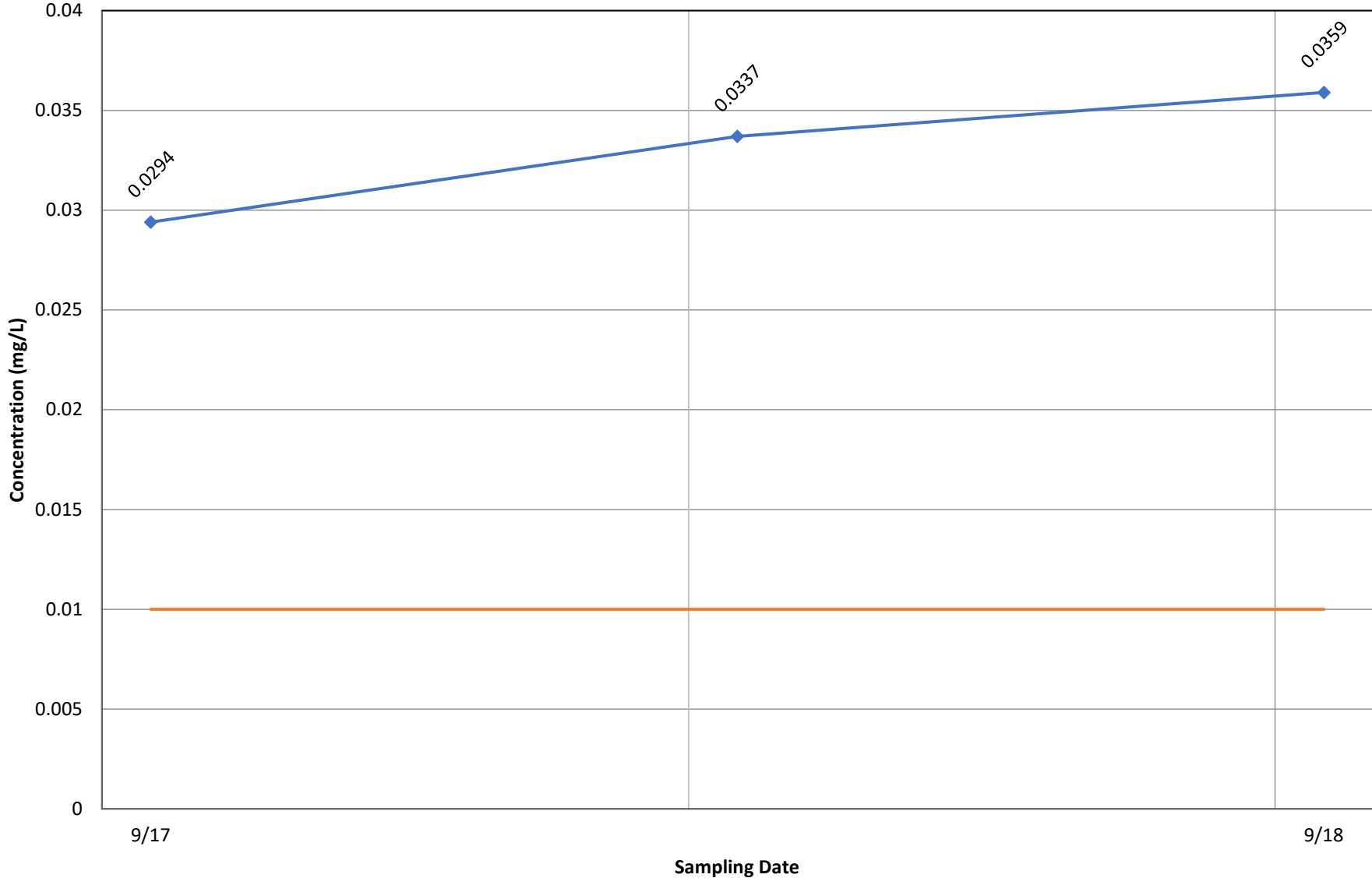


◆ Concentration — Current MCL

Monitoring Well MW-24B - Arsenic, total

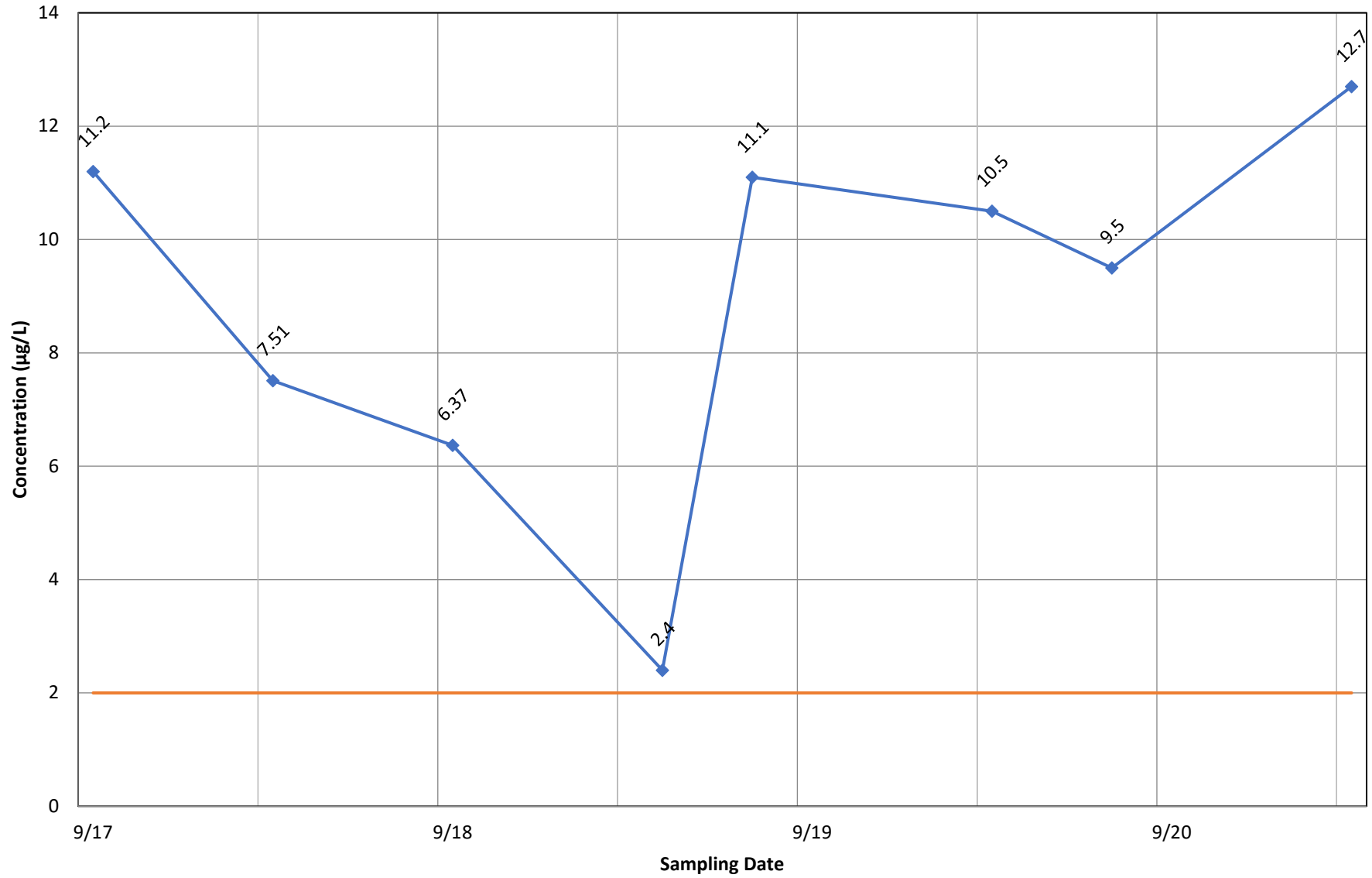


Monitoring Well MW-24B - Arsenic, dissolved



◆ Concentration — Current MCL

Monitoring Well MW-24A - Vinyl Chloride



◆ Concentration — Current MCL

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Appendix E
Historical Data Tables

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Gude Landfill
Monitoring Location MW-1B - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	48.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	49.0	0.20 U	6.5	2.5000 U	--	--	36.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	49.0	0.20 U	10.0 U	2.5000 U	--	--	33.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	58.0	0.20 U	10.0 U	2.7500	--	--	60.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	52.0	0.20 U	10.0 U	3.3300	--	--	80.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/13	49.0	0.20 U	10.0 U	3.2400	--	7.44	36.0	0.2000 U	0.20 U	0.05 U	450.0	6.21	--	113.1
9/13	49.0	0.20 U	10.0 U	3.2700	--	7.79	40.0	0.2000 U	0.20 U	0.05 U	376.0	6.10	--	95.5
3/14	47.0	0.20 U	10.0 U	3.9600	--	7.85	50.0	0.2000 U	--	--	401.0	6.12	--	86.0
9/14	43.0	0.20 U	10.0 U	2.6000	--	8.38	42.0	0.2000 U	0.20 U	0.05 U	380.0	6.35	--	78.3
3/15	45.0	0.20 U	10.0 U	3.6600	--	0.00	40.0	0.2000 U	0.20 U	0.05 U	350.0	6.52	--	70.9
9/15	46.0	0.20 U	10.0 U	2.5000 U	--	8.20	42.0	0.2000 U	0.20 U	0.05 U	321.0	5.96	--	80.3
3/16	44.0	0.20 U	10.0 U	2.5000 U	--	0.00	32.0	0.2000 U	0.20 U	0.05 U	354.0	6.07	--	44.0
9/16	53.0	0.20 U	10.0 U	2.7100	--	8.24	68.0	0.2000 U	0.20 U	0.05 U	346.0	5.92	--	89.0
3/17	47.0	0.20 U	10.0 U	2.8200	--	--	42.0	0.2000 U	0.20 U	0.05 U	365.0	6.02	--	88.9
9/17	68.0	0.20 U	10.0 U	3.0400	--	7.39	92.0	0.2000 U	0.20 U	0.05 U	472.0	6.25	--	92.9
4/18	49.8	0.20 U	10.0 U	3.5300	--	--	43.2	0.2220	0.23	0.05 U	253.0	6.14	--	94.4
9/18	49.5	0.20 U	10.0 U	3.1100	--	--	39.7	0.2050	0.22	0.05 U	225.0	5.82	--	101.3

Gude Landfill
Monitoring Location MW-1B - General Parameters

Printed 6/22/21

	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)
4/19	43.7	0.10 U	3.0 U	2.7000	--	7.86	29.7	0.2000 U	--	--	210.4	6.13	5.48	109.6
8/19	43.4	0.10 U	3.0 U	2.5000	--	8.52	28.1	0.2000 U	--	--	198.6	5.79	6.30	0.1
3/20	45.1	0.10 U	3.0 U	2.6000	--	8.27	29.5	0.1500 J	--	--	232.2	5.99	6.58	92.2
7/20	39.2	0.11	4.8	2.6000	--	7.55	31.2	0.1500 J	--	--	149.7	5.99	6.47	101.1
3/21	41.6	0.10 U	3.0 U	2.3700	--	8.17	27.8	0.1570	--	--	211.7	6.04	6.23	104.1

Gude Landfill
Monitoring Location MW-1B - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	440.0	--	28.200	--
4/11	--	4.00 U	--	--	92.0	--	39.400	--
9/11	--	4.00 U	--	--	80.0	--	--	--
3/12	--	4.00 U	--	--	92.0	--	--	--
9/12	--	4.00 U	--	--	92.0	--	--	--
4/13	--	4.00 U	--	16.4	136.0	--	--	47.70
9/13	--	4.00 U	--	16.4	90.0	--	--	33.90
3/14	--	4.00 U	--	15.8	67.0	--	--	12.30
9/14	--	4.00 U	--	16.8	70.0	--	--	37.50
3/15	--	4.00 U	--	19.2	98.0	--	--	1.20
9/15	--	4.00 U	--	19.1	1.0 U	--	--	2.90
3/16	--	4.00 U	--	17.0	172.0	--	--	2.20
9/16	--	4.00 U	--	21.2	74.0	--	--	34.50
3/17	--	4.00 U	--	22.0	10.0 U	--	--	8.60
9/17	--	4.00 U	--	15.5	74.0	--	--	0.50
4/18	--	4.00 U	--	9.6	91.0	--	--	11.10
9/18	--	4.00 U	--	17.4	59.0	--	--	13.80

Gude Landfill

Printed 6/22/21

Monitoring Location MW-1B - 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)
4/19	89.3	1.00 U	--	16.5	106.0	22.9	4.750	6.80
8/19	88.6	1.00 U	--	16.9	69.0	5.8	1.250	0.70
3/20	93.3	1.00 U	--	18.9	76.0	5.2	1.910	36.10
7/20	87.3	1.00 U	--	18.8	75.0	27.9	6.160	22.10
3/21	87.0	0.70	--	18.1	71.5	2.1 U	0.578	4.90

Gude Landfill
Monitoring Location MW-1B - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	6.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	3.6	0.008 U	0.0002 U
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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

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		
4/11	0.01 U	1.0	0.005 U	0.01 U	8.2	0.005 U	0.01 U	0.005 U
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	1.1	0.005 U	0.01 U	9.1	0.005 U	0.01 U	0.007
9/12	0.27	1.5	0.005 U	0.01 U	9.6	0.005 U	0.01 U	0.033
4/13	0.01	1.4	0.005 U	0.01 U	12.3	0.005 U	0.01 U	0.005 J
9/13	0.01	1.1	0.005 U	0.01 U	7.8	0.005 U	0.01 U	0.005
3/14	0.01 U	1.1	0.005 U	0.01 U	8.9	0.005 U	0.01 U	0.006
9/14	0.01 U	1.0	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.008
3/15	0.01 U	0.9	0.035 U	0.01 U	7.1	0.002 U	0.01 U	0.010 U
9/15	0.01 U	1.0	0.005 U	0.00 U	7.6	0.001 U	0.01 U	0.005 U
3/16	0.00 U	0.9	0.002 U	0.00 U	6.7	0.001 U	0.00 U	0.002 U
9/16	0.00 U	0.9	0.002 U	0.00 U	7.3	0.001 U	0.00 U	0.002 U
3/17	0.00 U	1.0	0.002 U	0.00 U	7.5	0.001 U	0.00 U	0.002
9/17	0.00 U	1.0	0.002 U	0.00 U	7.6	0.001 U	0.00 U	0.002
4/18	0.00 U	1.1	0.002 U	0.00 U	8.1	0.001 U	0.00 U	0.002 U
9/18	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 6/22/21

	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	
7/10	0.0010 U	0.0010	0.0062	0.0010 U	0.0010 U	--	0.0190	0.0024	0.0095	--	0.00170	--
9/10	0.0050 U	0.0050 U	0.0057	0.0050 U	0.0050 U	6.83	0.0055	0.0050 U	0.0086	1.2200	0.00500 U	3.720
4/11	0.0050 U	0.0050 U	0.0081	0.0050 U	0.0050 U	8.18	0.0050 U	0.0050 U	0.0050 U	0.6510	0.00500 U	4.580
9/11	0.0050 U	0.0050 U	0.0089	0.0050 U	0.0050 U	6.92	0.0050	0.0050 U	0.0080	1.5600	0.00552	4.340
3/12	0.0050 U	0.0050 U	0.0084	0.0050 U	0.0050 U	8.77	0.0085	0.0050 U	0.0104	2.2200	0.00500 U	5.740
9/12	0.0050 U	0.0050 U	0.0338	0.0100 U	0.0050 U	10.40	0.2330	0.0205	0.0802	17.6000	0.01170	11.600
4/13	0.0050 U	0.0050 U	0.0061	0.0050 U	0.0050 U	9.07	0.0052	0.0050 U	0.0159	1.3400	0.00500 U	5.420
9/13	0.0050 U	0.0050 U	0.0085	0.0050 U	0.0050 U	8.27	0.0071	0.0050 U	0.0057	0.6230	0.00500 U	4.560
3/14	0.0050 U	0.0050 U	0.0070	0.0050 U	0.0050 U	7.81	0.0050 U	0.0050 U	0.0050 U	0.2890	0.00500 U	4.630
9/14	0.0050 U	0.0050 U	0.0085	0.0050 U	0.0050 U	7.68	0.0050 U	0.0050 U	0.0053	0.9920	0.00500 U	4.360
3/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	6.00	0.0100 U	0.0100 U	0.0025 J	0.8500	0.00200 U	4.100
9/15	0.0010 U	0.0010 U	0.0050 U	0.0010 U	0.0005 U	5.90	0.0050 U	0.0050 U	0.0050 U	0.4200	0.00100 U	3.700
3/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	6.14	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	3.540
9/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	6.55	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	3.940
3/17	0.0050 U	0.0050 U	0.0073	0.0050 U	0.0050 U	9.17	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	4.950
9/17	0.0050 U	0.0050 U	0.0057	0.0050 U	0.0050 U	9.01	0.0050 U	0.0050 U	0.0050 U	0.2620	0.00500 U	4.910
4/18	0.0050 U	0.0050 U	0.0061	0.0050 U	0.0050 U	9.00	0.0050 U	0.0050 U	0.0050 U	0.3280	0.00500 U	5.040
9/18	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	7.95	0.0050 U	0.0050 U	0.0050 U	0.1100	0.00500 U	4.820
4/19	0.0010 U	0.0010 U	0.0018	0.0010 U	0.0010 U	5.28	0.0012	0.0010 U	0.0028	0.4190	0.00100 U	4.020
8/19	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	5.00	0.0051	0.0010 U	0.0010 U	0.1280	0.00100 U	3.800
3/20	0.0010 U	0.0010 U	0.0016	0.0010 U	0.0010 U	5.51	0.0030	0.0010 U	0.0010 U	0.1160	0.00100 U	3.820

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-1B - Total Metals

Printed 6/22/21

	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)
7/20	0.0010 U	0.0010 U	0.0032	0.0010 U	0.0010 U	5.46	0.0123	0.0010 U	0.0024	0.7740	0.00100 U	4.260
3/21	0.0010 U	0.0010 U	0.0011	0.0010 U	0.0010 U	5.11	0.0010 U	0.0010 U	0.0010 U	0.0441 J	0.00100 U	3.660

Gude Landfill
Monitoring Location MW-1B - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200 U	0.0140	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00590	0.02600
9/10	0.03800	0.000200 U	0.0055	1.250	0.00500 U	0.0050 U	10.20	0.0050 U	--	0.00500 U	0.01020
4/11	0.04950	0.000200 U	0.0050 U	1.150	0.00500 U	0.0050 U	8.37	0.0050 U	--	0.00500 U	0.00685
9/11	0.04410	0.000200 U	--	1.470	0.00500 U	0.0050 U	6.78	0.0050 U	--	0.00500 U	0.01450
3/12	0.05410	0.000200 U	0.0050 U	1.360	0.00500 U	0.0050 U	8.88	0.0050 U	--	0.00500 U	0.01790
9/12	0.51600	0.000200 U	0.0716	3.470	0.00500 U	0.0050 U	8.62	0.0050 U	--	0.02200	0.10900
4/13	0.04360	0.000200 U	0.0050 U	1.530	0.00500 U	0.0050 U	12.80	0.0050 U	--	0.00500 U	0.01200
9/13	0.01890	0.000200 U	0.0050 U	1.060	0.00500 U	0.0050 U	7.40	0.0050 U	--	0.00500 U	0.00722
3/14	0.01860	0.000200 U	0.0050 U	1.060	0.00500 U	0.0050 U	8.04	0.0050 U	--	0.00500 U	0.00628
9/14	0.02790	0.000200 U	0.0051	1.140	0.00500 U	0.0050 U	7.31	0.0050 U	--	0.00500 U	0.01430
3/15	0.02200	0.000200 U	0.0110 U	1.000	0.03500 U	0.0100 U	7.20	0.0020 U	--	0.01000 U	0.00680 J
9/15	0.01000 U	0.000200 U	0.0100 U	1.100	0.00500 U	0.0010 U	7.50	0.0010 U	--	0.00500 U	0.00500 U
3/16	0.00200 U	0.000200 U	0.0020 U	0.895	0.00200 U	0.0020 U	6.74	0.0010 U	--	0.00200 U	0.00200 U
9/16	0.00579	0.000200 U	0.0020 U	0.973	0.00200 U	0.0020 U	7.38	0.0010 U	--	0.00200 U	0.00200 U
3/17	0.00877	0.000200 U	0.0050 U	1.150	0.00500 U	0.0050 U	8.53	0.0050 U	--	0.00500 U	0.00500 U
9/17	0.00897	0.000200 U	0.0050 U	1.120	0.00500 U	0.0050 U	8.55	0.0050 U	--	0.00500 U	0.03070
4/18	0.01160	0.000200 U	0.0050 U	1.170	0.00500 U	0.0050 U	8.38	0.0050 U	--	0.00500 U	0.02380
9/18	0.00500 U	0.000200 U	0.0050 U	1.130	0.00500 U	0.0050 U	8.32	0.0050 U	--	0.00500 U	0.00500 U
4/19	0.01190	0.000100 U	0.0011	1.080	0.00100 U	0.0010 U	7.62	0.0010 U	--	0.00112	0.00645
8/19	0.00313	0.000100 U	0.0036 B	0.945	0.00100 U	0.0010 U	7.44	0.0010 U	--	0.00100 U	0.00400 U
3/20	0.00359	0.000100 U	0.0020	1.040	0.00100 U	0.0010 U	7.54	0.0010 U	--	0.00100 U	0.00400 U

Gude Landfill
Monitoring Location MW-1B - Total Metals

Printed 6/22/21

	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)
7/20	0.01910	0.000100 U	0.0072	1.150	0.00100 U	0.0010 U	8.00	0.0010 U	--	0.00182	0.00469
3/21	0.00148	0.000100 U	0.0010 U	0.937	0.00100 U	0.0010 U	7.29	0.0010 U	--	0.00100 U	0.00400 U

Gude Landfill

Printed 6/22/21

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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-1B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-1B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	10.00	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-1B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-1B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	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	1.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
4/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-1B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location MW-1B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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

Gude Landfill

Printed 6/22/21

Monitoring Location MW-1B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-2A - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	30.0	0.20 U	10.0 U	2.5000 U	--	--	19.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	40.0	0.20 U	7.5	2.7400	--	--	25.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	35.0	0.20 U	10.0 U	2.6900	--	--	22.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	46.0	0.20 U	10.0 U	2.6500	--	--	32.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	54.0	0.20 U	10.0 U	2.6300	--	--	32.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/13	56.0	0.20 U	10.0 U	5.7600	--	0.52	48.0	0.2000 U	0.20 U	0.05 U	270.0	5.31	--	104.3
3/14	49.0	0.20 U	10.0 U	3.3900	--	--	46.0	0.2000 U	--	--	--	--	--	--
9/14	28.0	0.20 U	10.0 U	3.7300	--	3.50	30.0	0.2000 U	0.25	0.05 U	--	6.56	--	55.7
3/15	30.0	0.20 U	10.0 U	2.6900	--	2.95	34.0	0.2000 U	0.21	0.05 U	349.0	5.72	--	54.2
9/15	34.0	0.20 U	10.0 U	3.4600	--	4.44	130.0	0.2000 U	0.20 U	0.05 U	340.0	5.17	--	62.5
3/16	39.0	0.20 U	10.0 U	4.7700	--	3.37	100.0	0.2000 U	0.20 U	0.05 U	389.0	5.43	--	86.4
8/16	51.0	0.20 U	10.0 U	3.3200	--	4.91	40.0	0.2000 U	0.20 U	0.05 U	412.0	5.44	--	71.8
3/17	65.0	0.20 U	10.0 U	4.3100	--	6.81	40.0	0.2000 U	0.20 U	0.05 U	332.0	5.65	--	84.3
9/17	--	--	--	--	--	5.54	--	--	--	--	333.0	6.01	--	109.8
4/19	19.5	0.10 U	5.0	2.9000	--	8.15	14.9	0.2000 U	--	--	182.2	5.37	5.65	65.5
8/19	19.0	0.37	3.0 U	2.5000	--	7.62	16.9	0.2000 U	--	--	284.5	4.28	5.49	0.0
3/20	20.8	0.10 U	3.0 U	2.4000	--	5.85	16.1	0.3500	--	--	302.4	5.17	5.65	52.6

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-2A - General Parameters

Printed 6/22/21

	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)
7/20	14.6	0.10 U	3.6	3.2000	--	2.81	17.8	0.2000 U	--	--	262.1	5.17	5.51	59.1
3/21	18.1	0.10 U	3.0 U	3.2200	--	3.12	16.3	0.0830	--	--	211.1	5.26	5.49	56.1

Gude Landfill
Monitoring Location MW-2A - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	465.0	--	58.900	--
4/11	--	4.00 U	--	--	112.0	--	117.600	--
9/11	--	4.00 U	--	--	108.0	--	--	--
3/12	--	4.00 U	--	--	84.0	--	--	--
9/12	--	4.00 U	--	--	100.0	--	--	--
9/13	--	4.00 U	--	16.4	4.0	--	--	11.30
3/14	--	4.00 U	--	--	70.0	--	--	--
9/14	--	4.00 U	--	19.7	84.0	--	--	--
3/15	--	4.00 U	--	16.9	72.0	--	--	2.70
9/15	--	4.00 U	--	19.1	1.0 U	--	--	65.50
3/16	--	4.00 U	--	15.6	215.0	--	--	0.90
8/16	--	4.00 U	--	18.9	65.0	--	--	0.00
3/17	--	4.00 U	--	12.7	120.0	--	--	4.60
9/17	--	--	--	15.4	--	--	--	1016.00
4/19	54.5	1.90	--	15.6	17.0	5.3	7.010	9.80
8/19	47.5	1.00 U	--	16.5	45.0	109.0	104.000	115.80
3/20	53.1	0.56 J	--	17.3	43.0	2.5 U	0.500 U	38.00

Gude Landfill
Monitoring Location MW-2A - General Parameters

Printed 6/22/21

	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)
7/20	53.9	0.56 J	--	18.9	53.0	16.2	3.560	119.30
3/21	54.1	1.60	--	18.1	42.0	66.8	1.710	9.80

Gude Landfill
Monitoring Location MW-2A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/13	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	0.002 U	0.002 U	0.014	0.002 U	0.002 U	8.5	0.00	0.00 U	0.005	0.3	0.002 U	3.7	0.193	0.0002 U

Gude Landfill

Printed 6/22/21

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		
4/11	0.01	1.7	0.005 U	0.01 U	6.7	0.005 U	0.01 U	0.015
9/11	0.01	--	--	--	--	--	--	--
3/12	0.03	--	--	--	--	--	--	--
9/12	0.03	--	--	--	--	--	--	--
9/13	0.03	2.0	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.031
9/14	0.01 U	1.6	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.028
3/15	0.01 U	1.6	0.035 U	0.01 U	4.7	0.002 U	0.01 U	0.006 J
9/15	0.04	1.7	0.005 U	0.00 U	4.6	0.001 U	0.01 U	0.013
3/16	0.00 U	1.5	0.002 U	0.00 U	6.2	0.001 U	0.00 U	0.003
8/16	0.00	2.1	0.002 U	0.00 U	8.6	0.001 U	0.00 U	0.010
3/17	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 6/22/21

	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	
7/10	0.0010 U	0.0022	0.0310	0.0010 U	0.0010 U	--	0.0210	0.0079	0.0160	--	0.00680	--
9/10	0.0050 U	0.0050 U	0.0155	0.0050 U	0.0050 U	4.89	0.0084	0.0050 U	0.0080	1.3800	0.00500 U	2.150
4/11	0.0050 U	0.0050 U	0.0299	0.0050 U	0.0050 U	7.78	0.0085	0.0050 U	0.0118	3.1400	0.00550	3.750
9/11	0.0050 U	0.0050 U	0.0206	0.0050 U	0.0050 U	8.86	0.0050 U	0.0050 U	0.0069	0.6800	0.00500 U	3.250
3/12	0.0050 U	0.0050 U	0.0209	0.0050 U	0.0050 U	10.50	0.0404	0.0140	0.0280	1.2700	0.00500 U	3.590
9/12	0.0050 U	0.0050 U	0.0181	0.0050 U	0.0050 U	11.10	0.0220	0.0050 U	0.0163	0.7250	0.00500 U	4.810
9/13	0.0050 U	0.0050 U	0.0172	0.0050 U	0.0050 U	13.20	0.0050 U	0.0052	0.0106	1.4600	0.00500 U	5.720
3/14	0.0050 U	0.0050 U	0.0247	0.0050 U	0.0050 U	10.20	0.0184	0.0050 U	0.0543	2.2000	0.00500 U	4.580
9/14	0.0050 U	0.0050 U	0.1420	0.0050 U	0.0050 U	6.29	0.0355	0.0174	0.0411	17.3000	0.02210	6.910
3/15	0.0020 U	0.0020 U	0.0120	0.0020 U	0.0040 U	4.60	0.0100 U	0.0100 U	0.0100 U	0.0590	0.00200 U	2.800
9/15	0.0010 U	0.0014	0.0270	0.0010 U	0.0005 U	5.70	0.2700	0.0160	0.0370	6.2000	0.00530	3.700
3/16	0.0020 U	0.0020 U	0.0112	0.0020 U	0.0020 U	6.29	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	2.680
8/16	0.0020 U	0.0020 U	0.0098	0.0020 U	0.0020 U	6.71	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	3.390
3/17	0.0050 U	0.0050 U	0.0231	0.0050 U	0.0050 U	9.17	0.0092	0.0050 U	0.0124	1.6100	0.00500 U	4.210
4/19	0.0010 U	0.0010 U	0.0097	0.0010 U	0.0010 U	2.71	0.0083	0.0011	0.0032	0.1670	0.00100 U	1.970
8/19	0.0010 U	0.0013	0.0326	0.0010 U	0.0010 U	2.25	0.0140	0.0029	0.0074 B	4.6100	0.00406	2.740
3/20	0.0010 U	0.0010 U	0.0092	0.0010 U	0.0010 U	2.69	0.0022	0.0010 U	0.0010 U	0.0279 J	0.00100 U	2.270
7/20	0.0010 U	0.0010 U	0.0113	0.0010 U	0.0010 U	3.10	0.0035	0.0010 U	0.0011	0.1800	0.00100 U	2.440
3/21	0.0010 U	0.0010 U	0.0092	0.0010 U	0.0010 U	2.96	0.0034	0.0010 U	0.0024	0.2430	0.00100 U	2.150

Gude Landfill
Monitoring Location MW-2A - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000100 J	0.0180	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00730	0.03100
9/10	0.12000	0.000200 U	0.0102	1.940	0.00500 U	0.0050 U	7.15	0.0050 U	--	0.00500 U	0.01140
4/11	0.17300	0.000200 U	0.0092	2.320	0.00500 U	0.0050 U	7.07	0.0050 U	--	0.00500 U	0.02290
9/11	0.20400	0.000200 U	--	1.800	0.00500 U	0.0050 U	6.09	0.0050 U	--	0.00500 U	0.01870
3/12	0.14800	0.000590	--	2.120	0.00500 U	0.0050 U	10.40	0.0050 U	--	0.00500 U	0.03690
9/12	0.15100	0.000759	--	2.140	0.00500 U	0.0050 U	8.38	0.0050 U	--	0.00500 U	0.02470
9/13	0.60200	0.000294	0.0083	2.270	0.00500 U	0.0050 U	9.54	0.0050 U	--	0.00500 U	0.03220
3/14	0.42000	0.000996	0.0165	2.120	0.00500 U	0.0050 U	7.47	0.0050 U	--	0.00500 U	0.04010
9/14	0.59500	0.000715	0.0244	5.830	0.00500 U	0.0050 U	5.02	0.0050 U	--	0.01920	0.08560
3/15	0.17000	0.000200 U	0.0110 U	1.400	0.03500 U	0.0100 U	4.20	0.0020 U	--	0.01000 U	0.01000 U
9/15	0.17000	0.000430	0.2200	2.600	0.00500 U	0.0023	4.80	0.0010 U	--	0.00520	0.03600
3/16	0.05530	0.000200 U	0.0021	1.210	0.00200 U	0.0001 U	5.56	0.0010 U	--	0.00200 U	0.00448
8/16	0.03610	0.000200 U	0.0047	1.540	0.00200 U	0.0020 U	6.28	0.0010 U	--	0.00200 U	0.00712
3/17	0.24700	0.000200 U	0.0245	1.940	0.00500 U	0.0050 U	7.01	0.0050 U	--	0.00500 U	0.03680
4/19	0.07100	0.000100 U	0.0182	1.290	0.00100 U	0.0010 U	4.20 B	0.0010 U	--	0.00100 U	0.00600
8/19	0.14300	0.000117	0.0093	2.220	0.00132	0.0010 U	3.50	0.0010 U	--	0.00422	0.01990 B
3/20	0.01360	0.000100 U	0.0020	1.370	0.00100 U	0.0010 U	3.81	0.0010 U	--	0.00100 U	0.00400 U
7/20	0.03440	0.000347	0.0024	1.430	0.00100 U	0.0010 U	4.13	0.0010 U	--	0.00100 U	0.00400 U
3/21	0.04330	0.000207	0.0034	1.310	0.00100 U	0.0010 U	3.55	0.0010 U	--	0.00100 U	0.01520

Gude Landfill
Monitoring Location MW-2A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 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

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-2A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	40.80	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.70 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-2A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-2A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	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	3.00	1.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	4.00	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	2.50	1.00 U
3/12	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	2.20	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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	3.30	1.00 U
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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	2.45	1.00 U
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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	3.84	1.00 U
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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	2.02	1.00 U
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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	1.85	1.00 U
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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	2.02	1.00 U
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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	2.79	1.00 U
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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	2.04	1.00 U
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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	2.22	1.00 U
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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	1.62	1.00 U
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.10	1.00 U
7/20	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	1.20	1.00 U

Gude Landfill
Monitoring Location MW-2A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-2A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.51	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-2A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
3/21	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 MW-2B - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	29.0	0.20 U	10.0 U	2.5000 U	--	--	18.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	37.0	0.20 U	10.0 U	2.5000 U	--	--	24.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	33.0	0.20 U	10.0 U	2.5000 U	--	--	35.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	40.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	36.0	0.20 U	10.0 U	2.5500	--	--	34.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	41.0	0.20 U	12.6	2.5000 U	--	0.92	34.0	0.2000 U	0.20 U	0.05 U	457.0	5.61	--	94.8
9/13	34.0	0.20 U	10.0 U	2.5000 U	--	2.54	30.0	0.2000 U	0.20 U	0.05 U	413.0	5.13	--	74.0
3/14	37.0	0.20 U	10.0 U	2.5800	--	2.31	56.0	0.2000 U	--	--	458.0	5.31	--	78.2
9/14	23.0	0.20 U	10.0 U	4.0600	--	4.77	28.0	0.2000 U	0.20 U	0.05 U	463.0	5.22	--	55.1
3/15	31.0	0.20 U	10.0 U	3.1800	--	3.85	34.0	0.2000 U	0.20 U	0.05 U	349.0	5.70	--	29.4
9/15	28.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0.20 U	0.05 U	426.0	5.22	--	64.1
3/16	42.0	0.20 U	10.0 U	2.5000 U	--	0.00	62.0	0.2000 U	0.20	0.05 U	400.0	5.67	--	84.0
8/16	38.0	0.20 U	10.0 U	2.5000 U	--	5.21	42.0	0.2000 U	0.20 U	0.05 U	412.0	5.13	--	66.7
3/17	57.0	0.20 U	10.0 U	2.6600	--	--	40.0	0.2000 U	0.20 U	0.05 U	419.0	5.19	--	72.1
9/17	42.0	0.20 U	10.0 U	2.5000 U	--	4.31	100.0	0.2000 U	0.20 U	0.05 U	503.0	5.57	--	77.0
4/18	34.1	0.20 U	10.0 U	2.8400	--	--	29.9	0.2000 U	0.20 U	0.05 U	283.0	5.43	--	73.1
9/18	31.7	0.20 U	10.0 U	3.0200	--	--	28.6	0.2000 U	0.20 U	0.05 U	229.0	5.25	--	67.3

Gude Landfill
Monitoring Location MW-2B - General Parameters

Printed 6/22/21

	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)
4/19	1.0 U	0.10 U	3.0 U	30.2000	--	9.37	13.5	0.2000 U	--	--	243.0	5.22	5.50	55.5
8/19	17.4	0.10 U	3.0 U	4.0000	--	8.69	13.6	0.2000 U	--	--	243.2	5.04	5.50	0.1
3/20	22.0	0.10 U	3.0 U	3.4000	--	5.92	18.0	0.1100 J	--	--	306.1	5.26	5.64	55.7
7/20	16.6	0.10 U	11.2	4.1000	--	3.19	19.2	0.2000 U	--	--	270.5	4.38	5.39	69.6
3/21	17.7	0.10 U	3.0 U	3.5900	--	2.73	16.2	0.2500	--	--	243.1	5.28	5.46	52.7

Gude Landfill
Monitoring Location MW-2B - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	648.0	--	2.430	--
4/11	--	4.00 U	--	--	56.0	--	1.290	--
9/11	--	4.00 U	--	--	44.0	--	--	--
3/12	--	4.00 U	--	--	92.0	--	--	--
9/12	--	4.00 U	--	--	84.0	--	--	--
3/13	--	4.00 U	--	14.3	4.0	--	--	0.57
9/13	--	4.00 U	--	17.4	72.0	--	--	0.00
3/14	--	4.00 U	--	14.6	66.0	--	--	0.90
9/14	--	4.00 U	--	16.6	1164.0	--	--	0.70
3/15	--	4.00 U	--	14.4	80.0	--	--	0.40
9/15	--	4.00 U	--	17.5	21.0	--	--	0.69
3/16	--	4.00 U	--	17.3	186.0	--	--	0.00
8/16	--	4.00 U	--	16.1	44.0	--	--	4.60
3/17	--	4.00 U	--	11.8	49.0	--	--	1.10
9/17	--	4.00 U	--	15.5	60.0	--	--	0.90
4/18	--	4.00 U	--	15.5	58.0	--	--	1.70
9/18	--	4.00 U	--	18.1	45.0	--	--	0.00

Gude Landfill
Monitoring Location MW-2B - 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)
4/19	227.0	1.50	--	15.7	42.0	2.6 U	0.794	2.90
8/19	48.5	1.00 U	--	16.2	40.0	4.7	1.690	0.05
3/20	55.6	0.59 J	--	15.9	32.0	2.4 U	0.500 U	0.00
7/20	59.5	1.00 U	--	20.4	51.5	3.9	1.110	46.70
3/21	53.3	1.80	--	16.7	40.0	10.2	0.500 U	8.03

Gude Landfill
Monitoring Location MW-2B - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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

Printed 6/22/21

	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		
4/11	0.01 U	1.5	0.005 U	0.01 U	5.2	0.005 U	0.01 U	0.009
9/11	0.01 U	--	--	--	--	--	--	--
3/12	0.01	1.7	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.008
9/12	0.01	1.7	0.005 U	0.01 U	4.9	0.005 U	0.01 U	0.007
3/13	0.01 U	1.8	0.005 U	0.01 U	5.0	0.005 U	0.01 U	0.008
9/13	0.01 U	1.4	0.005 U	0.01 U	3.9	0.005 U	0.01 U	0.007
3/14	0.01 U	1.6	0.005 U	0.01 U	4.6	0.005 U	0.01 U	0.009
9/14	0.01 U	1.4	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.012
3/15	0.01 U	1.5	0.035 U	0.01 U	5.1	0.002 U	0.01 U	0.010 U
9/15	0.01 U	1.4	0.005 U	0.00 U	4.3	0.001 U	0.01 U	0.003 J
3/16	0.00 U	1.6	0.002 U	0.00 U	5.3	0.001 U	0.00 U	0.004
8/16	0.00	1.3	0.002 U	0.00 U	3.6	0.001 U	0.00 U	0.005
3/17	0.00	1.5	0.002 U	0.00 U	4.6	0.001 U	0.00 U	0.014
9/17	0.00	1.4	0.002 U	0.00 U	4.4	0.001 U	0.00 U	0.010
4/18	0.00	1.5	0.002 U	0.00 U	4.4	0.001 U	0.00 U	0.012
9/18	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 6/22/21

	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	
7/10	0.0010 U	0.0008 J	0.0088	0.0010 U	0.0010 U	--	0.0012	0.0022	0.0015	--	0.00050 J	--
9/10	0.0050 U	0.0050 U	0.0113	0.0050 U	0.0050 U	4.92	0.0050 U	0.0050 U	0.0054	0.5000 U	0.00500 U	1.940
4/11	0.0050 U	0.0050 U	0.0095	0.0050 U	0.0050 U	8.72	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U	2.840
9/11	0.0050 U	0.0050 U	0.0123	0.0050 U	0.0050 U	7.20	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U	2.850
3/12	0.0050 U	0.0050 U	0.0064	0.0050 U	0.0050 U	9.89	0.0050 U	0.0050 U	0.0061	0.2000 U	0.00500 U	2.440
9/12	0.0050 U	0.0050 U	0.0080	0.0050 U	0.0050 U	11.70	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	3.040
3/13	0.0050 U	0.0050 U	0.0071	0.0050 U	0.0050 U	10.70	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	2.580
9/13	0.0050 U	0.0050 U	0.0070	0.0050 U	0.0050 U	10.10	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	2.560
3/14	0.0050 U	0.0050 U	0.0071	0.0050 U	0.0050 U	11.00	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	2.740
9/14	0.0050 U	0.0050 U	0.0192	0.0050 U	0.0050 U	5.48	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	3.140
3/15	0.0020 U	0.0020 U	0.0120	0.0020 U	0.0040 U	5.70	0.0100 U	0.0100 U	0.0100 U	0.0170	0.00200 U	3.000
9/15	0.0010 U	0.0010 U	0.0130	0.0010 U	0.0005 U	4.90	0.0050 U	0.0050 U	0.0050 U	0.0640	0.00100 U	2.700
3/16	0.0020 U	0.0020 U	0.0112	0.0020 U	0.0020 U	6.78	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	3.380
8/16	0.0020 U	0.0020 U	0.0081	0.0020 U	0.0020 U	6.03	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	2.470
3/17	0.0020 U	0.0020 U	0.0086	0.0020 U	0.0020 U	8.39	0.0020 U	0.0020 U	0.0023	0.2000 U	0.00200 U	2.900
9/17	0.0020 U	0.0020 U	0.0076	0.0020 U	0.0020 U	8.24	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	2.980
4/18	0.0020 U	0.0020 U	0.0064	0.0020 U	0.0020 U	7.61	0.0024	0.0020 U	0.0020 U	0.0500 U	0.00200 U	2.650
9/18	0.0020 U	0.0020 U	0.0054	0.0020 U	0.0020 U	7.39	0.0020 U	0.0020 U	0.0020 U	0.0500 U	0.00200 U	2.470
4/19	0.0010 U	0.0010 U	0.0087	0.0010 U	0.0010 U	2.26	0.0036	0.0010 U	0.0016	0.1000 U	0.00100 U	1.910
8/19	0.0010 U	0.0010 U	0.0078	0.0010 U	0.0010 U	2.42	0.0069	0.0010 U	0.0010 U	0.1000 U	0.00100 U	1.840
3/20	0.0010 U	0.0010 U	0.0104	0.0010 U	0.0010 U	3.29	0.0017	0.0010 U	0.0010 U	0.0558 J	0.00100 U	2.360

Gude Landfill
Monitoring Location MW-2B - Total Metals

Printed 6/22/21

	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)
7/20	0.0010 U	0.0010 U	0.0126	0.0010 U	0.0010 U	3.39	0.0027	0.0010 U	0.0010 U	0.0498 J	0.00100 U	2.620
3/21	0.0010 U	0.0010 U	0.0103	0.0010 U	0.0010 U	2.93	0.0021	0.0010 U	0.0024	0.0398 J	0.00100 U	2.170

Gude Landfill
Monitoring Location MW-2B - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200 U	0.0038	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01300
9/10	0.08680	0.000200 U	0.0050 U	1.360	0.00500 U	0.0050 U	6.99	0.0050 U	--	0.00500 U	0.00606
4/11	0.06300	0.000200 U	0.0050 U	1.580	0.00500 U	0.0050 U	5.22	0.0050 U	--	0.00500 U	0.00800
9/11	0.04400	0.000200 U	--	1.390	0.00500 U	0.0050 U	4.88	0.0050 U	--	0.00500 U	0.00794
3/12	0.03930	0.000200 U	0.0070	1.660	0.00500 U	0.0050 U	8.64	0.0050 U	--	0.00500 U	0.00753
9/12	0.03020	0.000582	0.0050 U	1.740	0.00500 U	0.0050 U	4.89	0.0050 U	--	0.00500 U	0.00694
3/13	0.03420	0.000200 U	0.0050 U	1.830	0.00500 U	0.0050 U	4.66	0.0050 U	--	0.00500 U	0.00721
9/13	0.02300	0.000200 U	0.0050 U	1.470	0.00500 U	0.0050 U	4.17	0.0050 U	--	0.00500 U	0.00981
3/14	0.02110	0.000200 U	0.0050 U	1.590	0.00500 U	0.0050 U	4.62	0.0050 U	--	0.00500 U	0.00716
9/14	0.06290	0.000200 U	0.0050 U	1.470	0.00500 U	0.0050 U	4.25	0.0050 U	--	0.00500 U	0.01130
3/15	0.05200	0.000200 U	0.0110 U	1.400	0.03500 U	0.0100 U	4.80	0.0020 U	--	0.01000 U	0.01000 U
9/15	0.02800	0.000200 U	0.0100 U	1.500	0.00500 U	0.0010 U	4.30	0.0010 U	--	0.00500 U	0.00500 U
3/16	0.04180	0.000200 U	0.0020 U	1.520	0.00200 U	0.0001 U	6.50	0.0010 U	--	0.00200 U	0.00374
8/16	0.03930	0.000200 U	0.0020 U	1.320	0.00200 U	0.0020 U	3.81	0.0010 U	--	0.00200 U	0.00381
3/17	0.06090	0.000200 U	0.0049	1.500	0.00200 U	0.0020 U	4.59	0.0010 U	--	0.00200 U	0.01430
9/17	0.02840	0.000200 U	0.0028	1.430	0.00200 U	0.0020 U	4.54	0.0010 U	--	0.00200 U	0.01050
4/18	0.03490	0.000200 U	0.0034	1.430	0.00200 U	0.0020 U	4.21	0.0010 U	--	0.00200 U	0.01180
9/18	0.02560	0.000200 U	0.0022	1.440	0.00200 U	0.0020 U	4.18	0.0010 U	--	0.00200 U	0.00397
4/19	0.02330	0.000100 U	0.0039	1.150	0.00100 U	0.0010 U	3.44 B	0.0010 U	--	0.00100 U	0.00400 U
8/19	0.03590	0.000100 U	0.0050	1.150	0.00100 U	0.0010 U	3.41	0.0010 U	--	0.00100 U	0.00630 B
3/20	0.01780	0.000100 U	0.0015	1.370	0.00100 U	0.0010 U	4.12	0.0010 U	--	0.00100 U	0.00644

Gude Landfill
Monitoring Location MW-2B - Total Metals

Printed 6/22/21

	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)
7/20	0.05360	0.000523	0.0010 U	1.400	0.00100 U	0.0010 U	4.36	0.0010 U	--	0.00100 U	0.00400 U
3/21	0.04900	0.000341	0.0023	1.240	0.00100 U	0.0010 U	3.43	0.0010 U	--	0.00100 U	0.02300

Gude Landfill

Printed 6/22/21

Monitoring Location MW-2B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-2B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-2B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.70 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-2B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-2B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	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	3.00	1.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.90	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	3.00	1.00 U
3/12	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	3.20	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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	3.27	1.00 U
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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	2.57	1.00 U
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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	3.93	1.00 U
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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	2.32	1.00 U
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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	2.18	1.00 U
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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	2.28	1.00 U
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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	2.51	1.00 U
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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	1.28	1.00 U
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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	1.77	1.00 U
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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	2.35	1.00 U
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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	2.10	1.00 U
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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	1.71	1.00 U
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-2B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
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	1.00 U	1.00 U	1.00 U	1.20	1.00 U
7/20	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	1.40	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-2B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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

Gude Landfill

Printed 6/22/21

Monitoring Location MW-2B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-3A - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	40.0	0.20 U	10.0 U	2.5000 U	--	--	130.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	24.0	0.20 U	10.0 U	2.9400	--	--	14.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	21.0	0.20 U	10.0 U	2.8900	--	--	22.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	24.0	0.20 U	6.3	5.2800	--	--	50.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	21.0	0.20 U	10.0 U	2.7600	--	--	44.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	17.2	0.20 U	10.0 U	2.6000	--	8.34	34.0	0.2000 U	0.20 U	0.05 U	425.0	5.99	--	43.7
9/13	16.0	0.20 U	10.0 U	2.5000 U	--	8.81	16.0	0.2000 U	0.20 U	0.05 U	378.0	5.49	--	37.1
3/14	17.0	0.20 U	10.0 U	2.9100	--	8.89	78.0	0.2000 U	--	--	404.0	5.40	--	30.3
9/14	13.5	0.20 U	10.0 U	3.1000	--	9.20	38.0	0.2000 U	0.20 U	0.05 U	398.0	6.13	--	33.1
3/15	17.0	0.20 U	10.0 U	2.5000 U	--	9.36	30.0	0.2000 U	0.20 U	0.05 U	397.0	5.98	--	33.4
9/15	18.0	0.20 U	10.0 U	2.5000 U	--	5.75	20.0	0.2000 U	0.20 U	0.05 U	374.0	5.51	--	36.0
3/16	15.2	0.20 U	10.0 U	2.5000 U	--	0.00	16.0	0.2000 U	0.20 U	0.05 U	388.0	6.02	--	35.0
9/16	26.0	0.20 U	10.0 U	2.5800	--	8.59	20.0	0.2000 U	0.20 U	0.05 U	400.0	5.68	--	31.5
3/17	13.6	0.20 U	10.0 U	2.5000 U	--	--	34.0	0.2000 U	0.20 U	0.05 U	429.0	5.70	--	28.9
9/17	13.8	0.20 U	10.0 U	2.5000 U	--	8.62	40.0	0.2000 U	0.20 U	0.05 U	411.0	5.66	--	34.2
4/18	15.5	0.20 U	10.0 U	2.5000 U	--	--	10.8	0.2000 U	0.20 U	0.05 U	214.0	5.95	--	33.3
9/18	15.6	0.20 U	10.0 U	2.5200	--	--	11.8	0.2000 U	0.20 U	0.05 U	259.0	5.68	--	31.4

Gude Landfill
Monitoring Location MW-3A - General Parameters

Printed 6/22/21

	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)
4/19	34.3	0.10 U	3.0 U	3.2000	--	8.57	20.4 B	0.2000 U	--	--	175.9	5.96	6.27	72.0
7/19	36.0	0.10 U	9.7	3.0000	--	8.87	18.1	0.2000 U	--	--	202.6	5.40	6.31	37.8
3/20	28.9	0.10 U	3.0 U	2.7000	--	8.43	23.2	0.2000 U	--	--	260.0	5.93	6.29	57.1
7/20	13.3	0.10 U	8.1	2.7000	--	8.68	13.9	0.2000 U	--	--	223.2	5.65	6.03	46.0
3/21	22.7	0.10 U	3.0 U	2.8200	--	9.05	22.8	0.0540	--	--	238.2	5.66	6.06	46.7

Gude Landfill

Printed 6/22/21

Monitoring Location MW-3A - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	100.0	--	1535.000	--
4/11	--	4.00 U	--	--	60.0	--	151.500	--
9/11	--	4.00 U	--	--	144.0	--	--	--
3/12	--	4.00 U	--	--	112.0	--	--	--
9/12	--	4.00 U	--	--	60.0	--	--	--
3/13	--	4.00 U	--	12.1	16.0	--	--	982.00
9/13	--	4.00 U	--	14.4	126.0	--	--	982.00
3/14	--	4.00 U	--	13.1	10.0	--	--	--
9/14	--	4.00 U	--	13.7	74.0	--	--	1.80
3/15	--	4.00 U	--	10.4	74.0	--	--	38.00
9/15	--	4.00 U	--	20.2	1.0 U	--	--	11.10
3/16	--	4.00 U	--	14.1	10.0 U	--	--	0.00
9/16	--	4.00 U	--	18.2	43.0	--	--	11.70
3/17	--	4.00 U	--	19.1	10.0 U	--	--	4.90
9/17	--	4.00 U	--	15.2	53.0	--	--	10.70
4/18	--	4.00 U	--	11.9	32.0	--	--	7.80
9/18	--	4.00 U	--	16.3	26.0	--	--	8.30

Gude Landfill

Printed 6/22/21

Monitoring Location MW-3A - 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)
4/19	77.7	2.00	--	13.6	44.0	18.7	10.300	9.40
7/19	76.9	1.10	--	14.8	61.0	20.2	14.000	9.80
3/20	65.3	1.22	--	14.9	55.0	18.8	4.110	6.20
7/20	41.6	0.58 J	--	17.5	49.3	246.0	20.100	1209.10
3/21	58.7	1.30	--	19.2	50.5	92.9	50.400	106.90

Gude Landfill
Monitoring Location MW-3A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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 6/22/21

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		
4/11	0.01 U	0.9	0.005 U	0.01 U	4.1	0.005 U	0.01 U	0.007
9/11	0.01	--	--	--	--	--	--	--
3/12	0.08	0.9	0.005 U	0.01 U	3.8	0.005 U	0.01 U	0.007
9/12	0.05	1.0	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.005 U
3/13	0.02	1.1	0.005 U	0.01 U	3.7	0.005 U	0.01 U	0.005 U
9/13	0.01	1.0	0.005 U	0.01 U	3.9	0.005 U	0.01 U	0.005 U
3/14	0.01 U	1.0	0.005 U	0.01 U	4.0	0.005 U	0.01 U	0.005 U
9/14	0.01 U	0.9	--	0.01 U	3.4	0.005 U	0.01 U	0.007
3/15	0.01 U	0.9	0.035 U	0.01 U	3.3	0.002 U	0.01 U	0.008 U
9/15	0.01 U	0.9	0.005 U	0.00 U	3.2	0.001 U	0.01 U	0.005 U
3/16	0.00 U	1.1	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.002 U
9/16	0.00 U	0.8	0.002 U	0.00 U	3.2	0.001 U	0.00 U	0.002 U
3/17	0.00 U	0.8	0.002 U	0.00 U	3.1	0.001 U	0.00 U	0.002 U
9/17	0.00 U	0.7	0.002 U	0.00 U	3.1	0.001 U	0.00 U	0.002 U
4/18	0.00 U	0.8	0.002 U	0.00 U	3.5	0.001 U	0.00 U	0.002 U
9/18	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 6/22/21

	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	
7/10	0.0010 U	0.0026	0.0610	0.0006 J	0.0010 U	--	0.0470	0.0160	0.0480	--	0.01300	--
9/10	0.0050 U	0.0050 U	0.1440	0.0050 U	0.0050 U	6.89	0.0530	0.0410	0.1180	61.7000	0.02590	20.900
4/11	0.0050 U	0.0050 U	0.0519	0.0050 U	0.0050 U	6.10	0.0067	0.0108	0.0180	5.9900	0.00890	3.680
9/11	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	11.10	0.0075	0.0188	0.0273	6.6700	0.02300	7.040
3/12	0.0050 U	0.0050 U	0.2230	0.0050 U	0.0050 U	17.20	0.0815	0.0397	0.1220	86.1000	0.04350	28.100
9/12	0.0050 U	0.0050 U	0.1130	0.0250 U	0.0050 U	10.10	0.0500	0.0267	0.0773	44.4000	0.02000	15.600
3/13	0.0050 U	0.0050 U	0.0487	0.0050 U	0.0050 U	7.11	0.0277	0.0094	0.0332	17.0000	0.00880	6.680
9/13	0.0050 U	0.0050 U	0.0332	0.0050 U	0.0050 U	5.41	0.0133	0.0051	0.0196	11.7000	0.00500 U	5.370
3/14	0.0050 U	0.0050 U	0.0367	0.0050 U	0.0050 U	4.52	0.0121	0.0056	0.0288	10.1000	0.00520	5.740
9/14	0.0050 U	0.0050 U	0.0580	0.0050 U	0.0050 U	5.50	0.0206	0.0108	0.0280	15.8000	0.00963	6.120
3/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	3.10	0.0100 U	0.0100 U	0.0028 J	2.2000	0.00200 U	1.800
9/15	0.0010 U	0.0010 U	0.0100	0.0010 U	0.0005 U	3.00	0.0050 U	0.0050 U	0.0050 U	2.3000	0.00100 J	1.900
3/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	2.48	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U	1.100
9/16	0.0020 U	0.0020 U	0.0037	0.0020 U	0.0020 U	2.53	0.0021	0.0020 U	0.0020 U	0.3430	0.00200 U	1.290
3/17	0.0050 U	0.0050 U	0.0094	0.0050 U	0.0050 U	4.17	0.0050 U	0.0050 U	0.0050 U	0.4110	0.00500 U	1.830
9/17	0.0050 U	0.0050 U	0.0075	0.0050 U	0.0050 U	3.79	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	1.740
4/18	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	2.47	0.0020 U	0.0020 U	0.0020 U	0.0580	0.00200 U	1.130
9/18	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	2.54	0.0050 U	0.0050 U	0.0050 U	0.5090	0.00500 U	1.320
4/19	0.0010 U	0.0010 U	0.0042	0.0010 U	0.0010 U	5.51 B	0.0029	0.0010 U	0.0010 U	0.2810	0.00100 U	1.610
7/19	0.0010 U	0.0015	0.0152	0.0010 U	0.0010 U	3.11	0.0533	0.0044	0.0139	7.4700	0.00166	2.510
3/20	0.0010 U	0.0010 U	0.0040	0.0010 U	0.0010 U	6.63	0.0020	0.0010 U	0.0010 U	0.2350	0.00100 U	1.610

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-3A - Total Metals

Printed 6/22/21

	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)
7/20	0.0010 U	0.0010 U	0.0075	0.0010 U	0.0010 U	2.46	0.0063	0.0011	0.0032	1.7000	0.00100 U	1.900
3/21	0.0010 U	0.0010 U	0.0114	0.0010 U	0.0010 U	5.34	0.0047	0.0018	0.0062	2.9100	0.00148	2.300

Gude Landfill
Monitoring Location MW-3A - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200 U	0.0390	--	0.00100 U	0.0010 U	--	0.0005 J	0.0050 U	0.03500	0.09000
9/10	1.08000	0.000200 U	0.0816	13.000	0.00500 U	0.0050 U	7.66	0.0050 U	--	0.05290	0.22700
4/11	0.34300	0.000200 U	0.0067	1.980	0.00500 U	0.0050 U	4.12	0.0050 U	--	0.01000	0.02750
9/11	0.62900	0.000200 U	--	2.860	0.00500 U	0.0050 U	4.19	0.0050 U	--	0.01240	0.04590
3/12	1.17000	0.000200 U	0.0050 U	15.000	0.00500 U	0.0050 U	4.33	0.0050 U	--	0.10000	0.23500
9/12	0.71500	0.000200 U	0.0050 U	9.800	0.00500 U	0.0050 U	3.88	0.0050 U	--	0.05800	0.15900
3/13	0.24000	0.000200 U	0.0050 U	3.990	0.00500 U	0.0050 U	4.10	0.0050 U	--	0.02200	0.06000
9/13	0.14100	0.000200 U	0.0050 U	3.030	0.00500 U	0.0050 U	3.81	0.0050 U	--	0.01340	0.03720
3/14	0.17200	0.000200 U	0.0126	2.770	0.00500 U	0.0050 U	4.24	0.0050 U	--	0.01320	0.04100
9/14	0.41600	0.000200 U	0.0202	3.560	0.00500 U	0.0050 U	3.28	0.0050 U	--	0.02120	0.06390
3/15	0.05900	0.000200 U	0.0110 U	1.300	0.03500 U	0.0100 U	3.30	0.0020 U	--	0.01000 U	0.00780 J
9/15	0.01000 U	0.000200 U	0.0100 U	1.400	0.00500 U	0.0010 U	3.40	0.0010 U	--	0.00500 U	0.00840
3/16	0.00200 U	0.000200 U	0.0020 U	0.765	0.00200 U	0.0020 U	2.93	0.0010 U	--	0.00200 U	0.00200 U
9/16	0.01760	0.000200 U	0.0020 U	0.876	0.00200 U	0.0020 U	3.08	0.0010 U	--	0.00200 U	0.00289
3/17	0.02130	0.000200 U	0.0050 U	1.000	0.00500 U	0.0050 U	3.84	0.0050 U	--	0.00500 U	0.00500 U
9/17	0.00729	0.000200 U	0.0050 U	0.832	0.00500 U	0.0050 U	3.54	0.0050 U	--	0.00500 U	0.01530
4/18	0.00219	0.000200 U	0.0020 U	0.846	0.00200 U	0.0020 U	3.32	0.0010 U	--	0.00200 U	0.00200 U
9/18	0.01350	0.000200 U	0.0050 U	0.965	0.00500 U	0.0050 U	3.36	0.0050 U	--	0.00500 U	0.01530
4/19	0.00947	0.000100 U	0.0019	1.040	0.00100 U	0.0010 U	3.69	0.0010 U	--	0.00100 U	0.00400 U
7/19	0.28100	0.000100 U	0.0351	1.670	0.00100 U	0.0010 U	3.47	0.0010 U	--	0.00618	0.01730 B
3/20	0.01320	0.000100 U	0.0013	1.060	0.00100 U	0.0010 U	3.31	0.0010 U	--	0.00100 U	0.00400 U

Gude Landfill
Monitoring Location MW-3A - Total Metals

Printed 6/22/21

	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)
7/20	0.04680	0.000100 U	0.0060	1.300	0.00100 U	0.0010 U	3.76	0.0010 U	--	0.00261	0.00539
3/21	0.07650	0.000100 U	0.0038	1.520	0.00100 U	0.0010 U	3.38	0.0010 U	--	0.00383	0.01400

Gude Landfill

Printed 6/22/21

Monitoring Location MW-3A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5		75	
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.30 B	5.00 U	1.00 U	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 MW-3A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-3A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	1.00	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	1.00 U
9/10	1.46 J	2.00 U	2.00 U	2.00 U	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
4/11	1.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.15	1.00 U	1.00 U	1.00 U	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
9/13	1.64	1.00 U	1.00 U	1.00 U	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
3/14	2.50	1.00 U	1.00 U	1.00 U	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
9/14	2.19	1.00 U	1.00 U	1.00 U	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
3/15	1.44	1.00 U	1.00 U	1.00 U	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
9/15	1.28	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/16	1.14	1.00 U	1.00 U	1.00 U	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
3/17	1.01	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.12	1.00 U	1.00 U	1.00 U	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
4/19	2.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-3A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
7/19	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	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	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-3A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-3A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-3B - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	160.0	0.20 U	10.0 U	2.5000 U	--	--	100.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	110.0	0.20 U	22.4	4.5900	--	--	66.0	0.2000 U	0.25	0.07	--	--	--	--
9/11	80.0	0.20 U	7.6	2.5700	--	--	45.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	111.0	0.20 U	6.7	3.4900	--	--	114.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	137.0	0.20 U	10.0 U	3.4600	--	--	188.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	118.0	0.20 U	10.0 U	2.7600	--	7.72	132.0	0.2000 U	0.20 U	0.05 U	433.0	8.03	--	161.1
9/13	123.0	0.20 U	10.0 U	3.0500	--	8.33	162.0	0.2000 U	0.20 U	0.05 U	311.0	7.59	--	221.9
3/14	112.0	0.20 U	10.0 U	2.6300	--	9.23	130.0	0.2000 U	--	--	269.0	7.11	--	214.0
9/14	105.0	0.20 U	10.0 U	2.5000 U	--	7.50	118.0	0.2000 U	0.20 U	0.05 U	311.0	7.32	--	146.9
3/15	94.0	0.20 U	10.0 U	2.5000 U	--	7.20	100.0	0.2000 U	0.20 U	0.05 U	390.0	7.49	--	184.6
9/15	81.0	0.20 U	10.0 U	2.5800	--	9.02	66.0	0.2000 U	0.20 U	0.05 U	286.0	7.00	--	184.0
3/16	86.0	0.20 U	10.0 U	2.5300	--	0.00	78.0	0.2000 U	0.20 U	0.05 U	333.0	7.42	--	191.6
9/16	234.0	0.20 U	10.0 U	479.0000	--	4.84	590.0	0.2000 U	0.20 U	0.05 U	360.0	6.81	--	153.0
3/17	91.0	0.20 U	10.0 U	2.5000 U	--	5.24	70.0	0.2000 U	0.20 U	0.05 U	410.0	6.97	--	197.7
9/17	65.0	0.20 U	10.0 U	2.7600	--	3.77	72.0	0.2000 U	0.20 U	0.05 U	310.0	6.94	--	157.6
4/18	78.0	0.20 U	10.0 U	2.9500	--	--	67.3	0.2000 U	0.20 U	0.05 U	178.0	7.36	--	151.5
9/18	75.7	0.20 U	10.0 U	2.5100	--	--	59.3	0.2000 U	0.20 U	0.05 U	239.0	6.84	--	177.4

Gude Landfill
Monitoring Location MW-3B - General Parameters

Printed 6/22/21

	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)
4/19	60.5	0.10 U	6.0	3.1000	--	3.65	41.6 B	0.2000 J	--	--	84.7	6.87	6.93	197.5
7/19	42.2	0.10 U	11.5	3.6000	--	6.46	28.5	0.2000 U	--	--	106.2	6.43	2.14	86.0
3/20	21.0	0.10 U	3.0 U	2.7000	--	8.10	15.3	0.2000 U	--	--	262.2	5.78	6.25	44.6
7/20	22.2	0.10 U	17.0	2.9000	--	7.80	15.7	0.2000 U	--	--	156.1	6.45	6.51	100.1
3/21	21.1	0.10 U	3.0 U	2.8400	--	9.60	16.3	0.1430	--	--	154.2	6.67	6.53	56.1

Gude Landfill
Monitoring Location MW-3B - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	13.50	--	--	332.0	--	42.000	--
4/11	--	165.00 J	--	--	472.0	--	2130.000	--
9/11	--	36.90	--	--	188.0	--	--	--
3/12	--	65.70	--	--	268.0	--	--	--
9/12	--	94.40	--	--	292.0	--	--	--
3/13	--	52.60	--	13.5	158.0	--	--	11.30
9/13	--	43.20	--	14.3	242.0	--	--	22.70
3/14	--	29.40	--	14.3	228.0	--	--	27.80
9/14	--	23.60	--	15.6	256.0	--	--	30.10
3/15	--	11.60	--	7.8	142.0	--	--	4.40
9/15	--	5.74	--	22.0	63.0	--	--	3.44
3/16	--	10.80	--	13.0	107.0	--	--	5.20
9/16	--	65.50	--	15.3	1240.0	--	--	0.00
3/17	--	16.40	--	14.6	40.0	--	--	4.00
9/17	--	7.33	--	15.0	104.0	--	--	2.00
4/18	--	11.70	--	9.2	125.0	--	--	11.50
9/18	--	11.50	--	13.6	118.0	--	--	1.40

Gude Landfill

Monitoring Location MW-3B - 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)
4/19	145.0	47.50	--	12.7	100.0	37.9	8.630	12.80
7/19	91.4	2.90	--	20.0	73.0	9.2	9.260	16.50
3/20	47.7	1.00 U	--	14.4	48.0	6.8	3.250	0.70
7/20	53.6	1.66	--	17.2	54.3	7.1	4.800	9.00
3/21	54.1	0.90	--	14.3	46.5	9.1	4.880	2.13

Gude Landfill
Monitoring Location MW-3B - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	0.002 U	0.002 U	0.009	0.002 U	0.002 U	16.3	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	2.6	0.002 U	0.0002 U

Gude Landfill
Monitoring Location MW-3B - Dissolved Metals

Printed 6/22/21

	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		
4/11	0.01 U	6.4	0.005 U	0.01 U	103.0	0.005 U	0.01	0.005 U
9/11	0.01	--	--	--	--	--	--	--
3/12	0.04	--	--	--	--	--	--	--
9/12	0.28	5.1	0.005 U	0.01 U	53.8	0.005 U	0.01 U	0.005 U
3/13	0.04	2.6	0.005 U	0.01 U	34.6	0.005 U	0.01 U	0.005 U
9/13	0.11	2.6	0.005 U	0.01 U	30.9	0.005 U	0.01 U	0.005 U
3/14	0.01 U	2.2	0.005 U	0.01 U	18.5	0.005 U	0.01 U	0.006
9/14	0.01 U	2.0	0.005 U	0.01 U	17.6	0.005 U	0.01 U	0.008
3/15	0.01 U	1.3	0.035 U	0.01 U	10.0	0.002 U	0.01 U	0.010 U
9/15	0.01 U	1.3	0.005 U	0.00 U	9.0	0.001 U	0.01 U	0.005 U
3/16	0.00 U	1.4	0.002 U	0.00 U	10.4	0.001 U	0.00 U	0.002 U
9/16	0.00 U	1.2	0.002 U	0.00 U	9.3	0.001 U	0.00 U	0.002
3/17	0.00 U	1.2	0.002 U	0.00 U	17.4	0.001 U	0.00 U	0.003
9/17	0.00 U	1.0	0.002 U	0.00 U	8.4	0.001 U	0.00 U	0.003
4/18	0.00 U	1.3	0.002 U	0.00 U	14.6	0.001 U	0.00 U	0.006
9/18	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 6/22/21

	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	
7/10	0.0006 J	0.0091	0.2100	0.0020	0.0010 U	--	0.0740	0.0270	0.0860	--	0.04900	--
9/10	0.0050 U	0.0050 U	0.0943	0.0050 U	0.0050 U	10.70	0.0246	0.0050 U	0.0125	1.3300	0.00500 U	0.715
4/11	0.0050 U	0.0050 U	0.2370	0.0050 U	0.0050 U	63.00	0.0180	0.0270	0.0533	9.6200	0.04100	10.600
9/11	0.0050 U	0.0050 U	0.1750	0.0100 U	0.0050 U	57.40	0.0129	0.0064	0.0184	3.8900	0.01100	5.360
3/12	0.0050 U	0.0050 U	0.0994	0.0050 U	0.0050 U	42.30	0.0409	0.0120	0.0403	19.4000	0.01380	11.700
9/12	0.0050 U	0.0050 U	0.1300	0.0050 U	0.0050 U	61.80	0.1840	0.0243	0.1050	19.1500	0.01630	11.300
3/13	0.0050 U	0.0050 U	0.0643	0.0050 U	0.0050 U	44.40	0.0478	0.0093	0.0308	8.8900	0.00869	7.410
9/13	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	54.50	0.1240	0.0157	0.0540	24.9000	0.01710	12.000
3/14	0.0050 U	0.0050 U	0.0491	0.0050 U	0.0050 U	34.30	0.0530	0.0058	0.0258	5.6800	0.00773	6.810
9/14	0.0050 U	0.0050 U	0.0808	0.0050 U	0.0050 U	33.30	0.0655	0.0113	0.0467	11.4000	0.01340	7.090
3/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	26.00	0.0100 U	0.0100 U	0.0100 U	0.2400	0.00200 U	3.600
9/15	0.0010 U	0.0010 U	0.0300	0.0010 U	0.0005 U	23.00	0.0050 U	0.0050 U	0.0050 U	0.1300	0.00100 U	2.800
3/16	0.0020 U	0.0020 U	0.0135	0.0020 U	0.0020 U	24.50	0.0020 U	0.0020 U	0.0020 U	0.2550	0.00200 U	3.950
9/16	0.0020 U	0.0026	0.3040	0.0020 U	0.0020 U	106.00	0.0061	0.7460	0.0092	3.9200	0.00200 U	77.400
3/17	0.0050 U	0.0050 U	0.0146	0.0050 U	0.0050 U	22.80	0.0050 U	0.0050 U	0.0050 U	0.2400	0.00500 U	3.730
9/17	0.0050 U	0.0050 U	0.0209	0.0050 U	0.0050 U	19.40	0.0050 U	0.0050 U	0.0050 U	0.2710	0.00500 U	3.340
4/18	0.0050 U	0.0050 U	0.0193	0.0050 U	0.0050 U	21.30	0.0050 U	0.0050 U	0.0050	1.2500	0.00500 U	3.440
9/18	0.0020 U	0.0020 U	0.0079	0.0020 U	0.0020 U	18.80	0.0041	0.0020 U	0.0020 U	0.4940	0.00200 U	2.960
4/19	0.0010 U	0.0010 U	0.0105	0.0010 U	0.0010 U	12.10 B	0.0053	0.0010 U	0.0014	0.6140	0.00100 U	2.770
7/19	0.0010 U	0.0010 U	0.0117	0.0010 U	0.0010 U	7.87	0.0185	0.0012	0.0221	0.5840	0.00100 U	2.160
3/20	0.0010 U	0.0010 U	0.0046	0.0010 U	0.0010 U	3.47	0.0020	0.0010 U	0.0014	0.2180	0.00100 U	1.620

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-3B - Total Metals

Printed 6/22/21

	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)
7/20	0.0010 U	0.0010 U	0.0062	0.0010 U	0.0010 U	3.44	0.0065	0.0010 U	0.0038	0.2420	0.00100 U	1.720
3/21	0.0010 U	0.0010 U	0.0070	0.0010 U	0.0010 U	3.68	0.0011	0.0010 U	0.0028	0.2340	0.00100 U	1.740

Gude Landfill
Monitoring Location MW-3B - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200 U	0.0640	--	0.00160	0.0010 U	--	0.0008 J	0.0056	0.05600	0.19000
9/10	0.03950	0.000200 U	0.0266	26.000	0.00500 U	0.0050 U	56.70	0.0050 U	--	0.00470 J	0.01230
4/11	1.26000	0.000200 U	0.0310	9.540	0.00500 U	0.0050 U	107.00 J	0.0050 U	--	0.02790	0.10800
9/11	0.27600	0.000200 U	--	9.110	0.00500 U	0.0050 U	41.00	0.0050 U	--	0.00980	0.03590
3/12	0.37100	0.000200 U	--	7.830	0.00500 U	0.0050 U	48.60	0.0050 U	--	0.02200	0.07240
9/12	0.58400	0.000200 U	0.0050 U	7.260	0.00500 U	0.0050 U	51.10	0.0050 U	--	0.02160	0.09880
3/13	0.33000	0.000200 U	0.0050 U	4.180	0.00500 U	0.0050 U	36.00	0.0050 U	--	0.01120	0.04290
9/13	0.46500	0.000308	0.0061	6.490	0.00500 U	0.0050 U	30.10	0.0050 U	--	0.02330	0.08010
3/14	0.22100	0.000200 U	0.0605	3.190	0.00500 U	0.0050 U	19.40	0.0050 U	--	0.00683	0.03000
9/14	0.38500	0.000200 U	0.0648	3.550	0.00500 U	0.0050 U	17.00	0.0050 U	--	0.01360	0.06120
3/15	0.01100	0.000200 U	0.0110 U	1.500	0.03500 U	0.0100 U	12.00	0.0020 U	--	0.01000 U	0.01000 U
9/15	0.01000 U	0.000200 U	0.0100 U	1.300	0.00500 U	0.0010 U	9.10	0.0010 U	--	0.00500 U	0.00500 U
3/16	0.01150	0.000200 U	0.0020 U	1.670	0.00200 U	0.0020 U	11.40	0.0010 U	--	0.00200 U	0.00200 U
9/16	60.10000	0.000200 U	0.0820	4.250	0.00249	0.0020 U	114.00	0.0010 U	--	0.00228	0.04150
3/17	0.01430	0.000200 U	0.0050 U	1.420	0.00500 U	0.0050 U	22.40	0.0050 U	--	0.00500 U	0.00554
9/17	0.02120	0.000200 U	0.0050 U	1.210	0.00500 U	0.0050 U	11.20	0.0050 U	--	0.00500 U	0.03010
4/18	0.07160	0.000200 U	0.0052	1.670	0.00500 U	0.0050 U	14.80	0.0050 U	--	0.00500 U	0.03360
9/18	0.01400	0.000200 U	0.0020 U	1.270	0.00200 U	0.0020 U	15.10	0.0010 U	--	0.00200 U	0.00470
4/19	0.03220	0.000100 U	0.0036	1.260	0.00100 U	0.0010 U	13.50	0.0010 U	--	0.00119	0.01040
7/19	0.02160	0.000100 U	0.0114	1.190	0.00100 U	0.0010 U	6.37	0.0010 U	--	0.00100 U	0.01540 B
3/20	0.01020	0.000100 U	0.0012	0.931	0.00100 U	0.0010 U	3.21	0.0010 U	--	0.00100 U	0.01130

Gude Landfill
Monitoring Location MW-3B - Total Metals

Printed 6/22/21

	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)
7/20	0.01180	0.000100 U	0.0055	0.905	0.00100 U	0.0010 U	5.36	0.0010 U	--	0.00100 U	0.00978
3/21	0.01690	0.000100 U	0.0015	0.957	0.00100 U	0.0010 U	4.53	0.0010 U	--	0.00100 U	0.01370

Gude Landfill

Printed 6/22/21

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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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	1.32
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.08	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	6.17	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.20 B	5.00 U	1.00 U	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 MW-3B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-3B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	1.00 U	1.00 U	0.90 J	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	1.00 U
9/10	2.00 U	2.00 U	1.11 J	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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	1.44	1.00 U
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.02	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-3B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
7/19	1.10	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.20	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	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-3B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-3B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-4 - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	70.0	0.20 U	10.0 U	106.0000	--	--	183.0	0.3756 HT	0.39 HT	0.01 J	--	--	--	--
4/11	60.0	0.20 U	10.0 U	138.0000 J	--	--	200.0	0.3780	0.39	0.05 U	--	--	--	--
9/11	52.0	0.20 U	10.0 U	120.0000	--	--	163.0	0.4060	0.42	0.05 U	--	--	--	--
3/12	56.0	0.20 U	3.1	145.0000	--	--	188.0	0.4700	0.48	0.05 U	--	--	--	--
9/12	51.0	0.20 U	10.0 U	125.0000	--	--	162.0	0.4440	0.49	0.05 U	--	--	--	--
4/13	55.0	0.20 U	10.0 U	141.0000	--	0.18	186.0	0.4650	0.52	0.05 U	364.0	6.11	--	620.9
9/13	55.0	0.20 U	10.0 U	128.0000	--	0.14	170.0	0.4890	0.50	0.05 U	300.0	6.05	--	485.6
3/14	65.0	0.20 U	10.0 U	147.0000	--	0.23	206.0	0.4630	--	--	284.0	6.03	--	548.7
9/14	51.0	0.20 U	10.0 U	139.0000	--	1.71	194.0	0.5660	0.58	0.05 U	253.0	6.24	--	498.8
3/15	50.0	0.20 U	10.0 U	143.0000	--	0.00	212.0	0.6210	0.67	0.05 U	356.0	5.96	--	487.3
9/15	60.0	0.20 U	10.0 U	152.0000	--	7.70	194.0	0.5070	0.56	0.05 U	221.0	5.92	--	574.2
3/16	54.0	0.20 U	10.0 U	154.0000	--	0.00	184.0	0.6510	0.70	0.05 U	327.0	5.99	--	524.6
8/16	47.0	0.20 U	10.0 U	138.0000	--	--	140.0	0.6550	0.67	0.05 U	330.0	5.86	--	502.0
3/17	47.0	0.20 U	10.0 U	148.0000	--	--	192.0	0.6680	0.72	0.05 U	370.0	5.71	--	499.4
9/17	54.0	0.20 U	10.0 U	148.0000	--	0.43	116.0	0.6580	0.67	0.05 U	392.0	6.03	--	589.9
4/18	43.2	0.20 U	10.0 U	145.0000	--	--	181.0	0.7870	0.80	0.05 U	180.0	5.82	--	497.2
9/18	43.5	0.20 U	10.0 U	148.0000	--	--	191.0	0.7880	0.80	0.05 U	219.0	5.67	--	550.8

Gude Landfill
Monitoring Location MW-4 - General Parameters

Printed 6/22/21

	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)
4/19	45.6	0.10 U	12.4	156.0000	--	0.26	187.0 B	0.8000	--	--	160.3	5.76	5.95	718.0
7/19	43.8	0.10 U	11.5	157.0000	--	0.50	174.0 B	0.7000	--	--	199.9	5.77	5.93	529.0
3/20	45.2	0.10 U	11.7	150.0000	--	0.66	205.0	0.8200	--	--	135.8	5.60	6.07	739.0
8/20	43.0	0.10 U	26.6	158.0000	--	0.68	203.0	0.6800	--	--	184.7	5.74	5.83	574.0
3/21	48.0	0.10 U	3.0 U	170.0000	--	0.07	194.0	0.6620	--	--	172.1	5.71	5.92	580.0

Gude Landfill
Monitoring Location MW-4 - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	552.0	--	880.000	--
4/11	--	4.00 U	--	--	552.0	--	13.200	--
9/11	--	4.00 U	--	--	520.0	--	--	--
3/12	--	4.00 U	--	--	528.0	--	--	--
9/12	--	4.00 U	--	--	428.0	--	--	--
4/13	--	4.26	--	13.4	310.0	--	--	59.70
9/13	--	4.01	--	15.3	442.0	--	--	45.20
3/14	--	4.73	--	11.4	320.0	--	--	132.60
9/14	--	4.73	--	15.0	370.0	--	--	87.00
3/15	--	5.37	--	14.1	442.0	--	--	13.30
9/15	--	5.12	--	15.4	320.0	--	--	0.00
3/16	--	5.32	--	13.0	320.0	--	--	14.10
8/16	--	4.80	--	16.5	412.0	--	--	6.50
3/17	--	5.13	--	13.9	282.0	--	--	1.70
9/17	--	5.10	--	15.2	507.0	--	--	0.30
4/18	--	4.85	--	11.6	398.0	--	--	4.80
9/18	--	4.17	--	15.9	398.0	--	--	5.70

Gude Landfill
Monitoring Location MW-4 - General Parameters

Printed 6/22/21

	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)
4/19	604.0	5.90	--	15.0	482.0	4.7 U	3.420	5.40
7/19	597.0	5.90	--	15.8	475.0	25.1	11.900	8.00
3/20	608.0	4.85	--	13.0	480.0	336.0	45.300	51.20
8/20	638.0	4.57	--	18.1	365.0	107.0	33.200 O-	53.80
3/21	663.0	5.50	--	14.8	366.0	151.0	16.600	106.90

Gude Landfill
Monitoring Location MW-4 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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
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		
4/11	0.01	2.6	0.005 U	0.01 U	15.0	0.005 U	0.01 U	0.005
9/11	0.01	--	--	--	--	--	--	--
3/12	0.02	2.9	0.005 U	0.01 U	29.1	0.005 U	0.01 U	0.007
9/12	0.01	2.9	0.005 U	0.01 U	27.8	0.005 U	0.01 U	0.014
4/13	0.01	1.3	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.011
9/13	0.01	2.6	0.005 U	0.01 U	28.5	0.005 U	0.01 U	0.007
3/14	0.01	2.8	0.005 U	0.01 U	30.2	0.005 U	0.01 U	0.006
9/14	0.01	2.6	0.005 U	0.01 U	27.3	0.005 U	0.01 U	0.008
3/15	0.01 U	2.9	0.035 U	0.01 U	31.0	0.002 U	0.01 U	0.010 U
9/15	0.01 J	2.8	0.005 U	0.00 U	32.0	0.001 U	0.01 U	0.005 U
3/16	0.00 U	2.6	0.002 U	0.00 U	28.8	0.001 U	0.00 U	0.002
8/16	0.00 U	2.6	0.002 U	0.00 U	28.5	0.001 U	0.00 U	0.002
3/17	0.00	2.6	0.002 U	0.00 U	29.0	0.001 U	0.00	0.004
9/17	0.00	2.6	0.002 U	0.00 U	31.5	0.001 U	0.00 U	0.002 U
4/18	0.00	2.7	0.002 U	0.00 U	29.4	0.001 U	0.00 U	0.004
9/18	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 6/22/21

	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	
7/10	0.0010 U	0.0006 J	0.0270	0.0010 U	0.0010 U	--	0.0008 J	0.0011	0.0010 U	--	0.00100 U	--
9/10	0.0050 U	0.0050 U	0.2280	0.0050 U	0.0050 U	34.40	0.0261	0.0264	0.0370	37.6000	0.02200	30.900
4/11	0.0050 U	0.0050 U	0.0431	0.0050 U	0.0050 U	35.50 J	0.0050 U	0.0050 U	0.0050 U	1.2100	0.00500 U	25.800 J
9/11	0.0050 U	0.0050 U	0.0409	0.0050 U	0.0050 U	34.50	0.0050 U	0.0050 U	0.0050 U	1.0600	0.00500 U	22.900
3/12	0.0050 U	0.0050 U	0.0721	0.0050 U	0.0050 U	40.40	0.0076	0.0050 U	0.0145	7.6900	0.00500 U	25.500
9/12	0.0050 U	0.0050 U	0.0383	0.0050 U	0.0050 U	33.40	0.0050 U	0.0050 U	0.0050 U	0.8890	0.00500 U	19.600
4/13	0.0050 U	0.0050 U	0.0383	0.0050 U	0.0050 U	39.60	0.0050 U	0.0050 U	0.0133	0.9700	0.00500 U	22.600
9/13	0.0050 U	0.0050 U	0.0417	0.0050 U	0.0050 U	35.10	0.0050 U	0.0050 U	0.0050 U	0.7860	0.00500 U	23.200
3/14	0.0050 U	0.0050 U	0.0483	0.0050 U	0.0050 U	45.60	0.0050 U	0.0050 U	0.0050 U	1.9200	0.00500 U	25.000
9/14	0.0050 U	0.0050 U	0.0420	0.0050 U	0.0050 U	35.00	0.0050 U	0.0050 U	0.0050 U	1.0200	0.00500 U	21.100
3/15	0.0020 U	0.0020 U	0.0340	0.0020 U	0.0040 U	40.00	0.0100 U	0.0100 U	0.0100 U	0.7000	0.00200 U	25.000
9/15	0.0010 U	0.0010 U	0.0320	0.0010 U	0.0005 U	39.00	0.0050 U	0.0050 U	0.0050 U	0.2200	0.00100 U	25.000
3/16	0.0050 U	0.0050 U	0.0410	0.0050 U	0.0050 U	43.80	0.0050 U	0.0050 U	0.0050 U	0.7260	0.00500 U	25.300
8/16	0.0020 U	0.0020 U	0.0323	0.0020 U	0.0020 U	34.50	0.0020 U	0.0020 U	0.0020 U	0.3800	0.00200 U	20.500
3/17	0.0020 U	0.0020 U	0.0326	0.0020 U	0.0020 U	35.40	0.0021	0.0020 U	0.0023	0.2340	0.00200 U	20.900
9/17	0.0020 U	0.0020 U	0.0333	0.0020 U	0.0020 U	38.80	0.0020 U	0.0020 U	0.0020 U	0.2520	0.00200 U	23.200
4/18	0.0020 U	0.0020 U	0.0318	0.0020 U	0.0020 U	37.30	0.0020 U	0.0020 U	0.0032	0.1770	0.00200 U	21.400
9/18	0.0050 U	0.0050 U	0.0326	0.0050 U	0.0050 U	39.40	0.0050 U	0.0050 U	0.0050 U	0.1190	0.00500 U	22.600
4/19	0.0010 U	0.0010 U	0.0334	0.0010 U	0.0010 U	33.00	0.0027	0.0010 U	0.0012	0.5660	0.00100 U	25.400
7/19	0.0010 U	0.0010 U	0.0357	0.0010 U	0.0010 U	32.00 B	0.0036	0.0010 U	0.0114	1.4800	0.00100 U	23.000
3/20	0.0010 U	0.0010 U	0.0451	0.0010 U	0.0010 U	37.40	0.0065	0.0010	0.0010 U	2.7600	0.00124	27.100

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-4 - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.0463	0.0010 U	0.0010 U	36.10	0.0055	0.0012	0.0024	3.4100	0.00123	27.300
3/21	0.0010 U	0.0010 U	0.0474	0.0010 U	0.0010 U	35.80	0.0052	0.0014	0.0025	3.0000	0.00165	25.400

Gude Landfill
Monitoring Location MW-4 - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200 U	0.0200	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01300
9/10	2.87000	0.000200 U	0.0758	12.200	0.00500 U	0.0050 U	29.40	0.0050 U	--	0.02130	0.13800
4/11	0.13800	0.000200 U	0.0108	3.560	0.00500 U	0.0050 U	30.20 J	0.0050 U	--	0.00500 U	0.00782
9/11	0.10400	0.000200 U	--	2.760	0.00500 U	0.0050 U	29.40	0.0050 U	--	0.00500 U	0.00755
3/12	0.54900	0.000200 U	0.0085	4.510	0.00500 U	0.0050 U	29.70	0.0050 U	--	0.00500 U	0.03130
9/12	0.11500	0.000200 U	0.0108	3.010	0.00500 U	0.0050 U	24.90	0.0050 U	--	0.00500 U	0.00689
4/13	0.17500	0.000200 U	0.0059	3.470	0.00500 U	0.0050 U	30.90	0.0050 U	--	0.00500 U	0.00903
9/13	0.14200	0.000200 U	0.0096	2.530	0.00500 U	0.0050 U	29.60	0.0050 U	--	0.00500 U	0.00733
3/14	0.25700	0.000200 U	0.0130	3.030	0.00500 U	0.0050 U	30.30	0.0050 U	--	0.00500 U	0.01030
9/14	0.12300	0.000200 U	0.0076	2.790	0.00500 U	0.0050 U	28.30	0.0050 U	--	0.00500 U	0.01080
3/15	0.09100	0.000200 U	0.0110 U	3.000	0.03500 U	0.0100 U	30.00	0.0020 U	--	0.01000 U	0.00560 J
9/15	0.12000	0.000200 U	0.0100 U	2.900	0.00500 U	0.0010 U	35.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	0.07260	0.000200 U	0.0050 U	3.440	0.00500 U	0.0050 U	33.30	0.0050 U	--	0.00500 U	0.00648
8/16	0.05280	0.000200 U	0.0020 U	2.530	0.00200 U	0.0020 U	27.50	0.0010 U	--	0.00200 U	0.00223
3/17	0.04480	0.000200 U	0.0021	2.470	0.00200 U	0.0020 U	28.00	0.0010 U	--	0.00200 U	0.00257
9/17	0.09240	0.000200 U	0.0049	2.540	0.00200 U	0.0020 U	32.10	0.0010 U	--	0.00200 U	0.00200 U
4/18	0.02140	0.000200 U	0.0020 U	2.640	0.00200 U	0.0020 U	28.90	0.0010 U	--	0.00200 U	0.00583
9/18	0.01850	0.000200 U	0.0050 U	2.740	0.00500 U	0.0050 U	29.50	0.0050 U	--	0.00500 U	0.00500 U
4/19	0.02270	0.000100 U	0.0017	2.860	0.00100 U	0.0010 U	34.40	0.0010 U	--	0.00100 U	0.00463
7/19	0.05790	0.000100 U	0.0022	2.850	0.00100 U	0.0010 U	29.70 B	0.0010 U	--	0.00100 U	0.00609
3/20	0.10600	0.000100 U	0.0050	3.500	0.00100 U	0.0010 U	32.90	0.0010 U	--	0.00100 U	0.00904 B

Gude Landfill
Monitoring Location MW-4 - Total Metals

Printed 6/22/21

	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)
8/20	0.11500	0.000100 U	0.0044	3.450	0.00100 U	0.0010 U	33.00	0.0010 U	--	0.00187	0.01440
3/21	0.17700	0.000100 U	0.0018	3.360	0.00100 U	0.0010 U	30.40	0.0010 U	--	0.00190	0.01140

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5		75	
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	9.40	5.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.60	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	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
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-4 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-4 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	1.00 U	1.00 U	0.50 J	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	2.90	13.00	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	2.00	--	1.00 U	1.50	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
4/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.70	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.25	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.18	1.00 U	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
8/16	1.00 U	1.00 U	1.04	1.00 U	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
3/17	1.00 U	1.00 U	1.22	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-4 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
7/19	1.00 U	1.00 U	1.10	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	1.00 U	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-4 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.70	1.00 U	5.00 U	5.60	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.40	14.00	1.00 U	3.10	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-4 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-6 - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	260.0	0.20 U	10.0 U	222.0000	--	--	430.0	0.0757 J	0.11 J	0.03 J	--	--	--	--
4/11	264.0	0.20 U	17.3	200.0000	--	--	1720.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	214.0	0.20 U	10.0 U	226.0000	--	--	430.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	238.0	0.20 U	10.0 U	243.0000	--	--	470.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	197.0	0.20 U	10.0 U	255.0000	--	--	452.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	216.0	0.20 U	10.0 U	258.0000	--	0.13	472.0	0.2000 U	0.20 U	0.05 U	297.0	6.17	--	1.4
9/13	--	--	--	--	--	1.09	410.0	--	--	--	152.1	5.90	--	938.0
9/13	183.0	0.20 U	10.0 U	304.0000	--	0.19	500.0	0.2000 U	0.20 U	0.05 U	439.0	5.62	--	1248.0
9/13	--	--	--	--	--	4.46	430.0	--	--	--	169.0	5.98	--	1.2
3/14	208.0	0.20 U	10.0 U	282.0000	--	4.05	500.0	0.2000 U	--	--	280.0	6.09	--	1214.0
9/14	201.0	0.20 U	10.0 U	411.0000	--	1.13	632.0	0.2000 U	0.20 U	0.05 U	324.0	5.85	--	1557.0
3/15	201.0	0.20 U	10.0 U	372.0000	--	0.00	104.0	0.2000 U	0.20 U	0.05 U	292.0	6.55	--	1320.0
8/15	197.0	0.20 U	10.0 U	409.0000	--	--	800.0	0.2000 U	0.20 U	0.05 U	225.0	6.01	--	1004.0
3/16	247.0	0.20 U	10.0 U	407.0000	--	2.98	710.0	0.2000 U	0.20 U	0.05 U	166.0	6.27	--	1730.0
9/16	80.0	0.20 U	10.0 U	3.6100	--	--	70.0	0.2000 U	0.20 U	0.05 U	236.0	5.66	--	1844.0
3/17	210.0	0.20 U	10.0 U	443.0000	--	--	630.0	0.2000 U	0.20 U	0.05 U	376.0	5.97	--	1667.0
9/17	243.0	0.20 U	10.0 U	456.0000	--	--	1300.0	0.2000 U	0.20 U	0.05 U	349.0	5.99	--	1849.0

Gude Landfill
Monitoring Location MW-6 - General Parameters

Printed 6/22/21

	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)
4/18	250.0	0.20 U	10.4	533.0000	--	--	521.0	0.2000 U	0.20 U	0.05 U	68.0	6.00	--	1898.0
9/18	250.0	0.20 U	10.0 U	545.0000	--	--	545.0	0.2000 U	0.20 U	0.05 U	18.0	5.99	--	2243.0
4/19	245.0	0.10 U	12.0	618.0000	--	0.08	653.0 B	0.2000 U	--	--	86.8	5.86	6.03	2830.0
8/19	241.0	0.10 U	3.0 U	564.0000	--	0.19	470.0	1.7000	--	--	61.1	5.62	6.12	2.1
3/20	130.0	0.38	12.7	455.0000	--	0.47	484.0	0.2300	--	--	43.7	5.71	6.07	2554.0
8/20	211.0	0.10 U	10.9	503.0000	--	0.57	525.0	0.2000 U	--	--	107.4	6.00	5.90	1982.0
3/21	240.0	0.10 U	5.8	488.0000	--	0.03	462.0	0.0760	--	--	12.5	5.87	6.00	2111.0

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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	54.10	--	--	1080.0	--	5300.000	--
4/11	--	58.70	--	--	868.0	--	1540.000	--
9/11	--	45.20	--	--	1036.0	--	--	--
3/12	--	43.40	--	--	976.0	--	--	--
9/12	--	47.40	--	--	776.0	--	--	--
3/13	--	48.00	--	12.6	644.0	--	--	270.00
9/13	--	--	--	16.6	--	--	4.600	4.80
9/13	--	50.00	--	16.2	878.0	--	--	2651.00
9/13	--	--	--	14.6	--	--	3400.000	114.00
3/14	--	62.10	--	14.4	718.0	--	--	589.00
9/14	--	70.60	--	17.0	96.0	--	--	129.60
3/15	--	77.20	--	16.8	926.0	--	--	11.20
8/15	--	70.70	--	19.3	1022.0	--	--	6.40
3/16	--	70.10	--	15.3	978.0	--	--	2.20
9/16	--	7.46	--	26.2	98.0	--	--	15.60
3/17	--	53.80	--	15.3	1060.0	--	--	9.00
9/17	--	57.40	--	17.8	1140.0	--	--	3.50

Gude Landfill
Monitoring Location MW-6 - General Parameters

Printed 6/22/21

	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)
4/18	--	40.20	--	14.8	1080.0	--	--	7.10
9/18	--	34.10	--	26.9	1140.0	--	--	0.00
4/19	2390.0	41.40	--	17.3	1860.0	45.7	8.210	5.50
8/19	2110.0	41.10	--	19.2	1440.0	28.1	4.770	1.72
3/20	1840.0	39.80	--	17.1	1180.0	23.4	45.700	17.10
8/20	2160.0	37.20	--	20.9	1140.0	91.1	21.000	29.80
3/21	2000.0	32.90	--	18.5	1130.0	135.0	16.900	36.70

Gude Landfill
Monitoring Location MW-6 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/13	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
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/14	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
9/14	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
3/15	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
8/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill 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		
4/11	0.03	3.1	0.005 U	0.01 U	62.2	0.005 U	0.01 U	0.043
9/11	0.03	--	--	--	--	--	--	--
3/12	0.04	3.7	0.005 U	0.01 U	77.8	0.005 U	0.01 U	0.033
9/12	0.06	4.1	0.007	0.01 U	64.0	0.005 U	0.01 U	0.039
3/13	0.05	3.4	0.007	0.01 U	64.3	0.005 U	0.01 U	0.037
9/13	0.03	--	--	--	--	--	--	--
9/13	0.04	3.7	0.008	0.01 U	68.4	0.005 U	0.01 U	0.035
9/13	0.06	--	--	--	--	--	--	--
3/14	0.03	3.3	0.005 U	0.01 U	67.5	0.005 U	0.01 U	0.043
9/14	0.06	4.3	0.007	0.01 U	98.0	0.005 U	0.01 U	0.045
3/15	0.49	3.7	0.350 U	0.01 U	97.0	0.002 U	0.01 U	0.044
8/15	0.35	4.0	0.005 U	0.00 U	97.0	0.001 U	0.01 U	0.044
3/16	0.05	3.2	0.005	0.00 U	102.0	0.001 U	0.00 U	0.023
9/16	0.08	4.2	0.002	0.00 U	114.0	0.001 U	0.00	0.040
3/17	0.07	4.0	0.002 U	0.00 U	112.0	0.001 U	0.00	0.040
9/17	0.07	4.3	0.006	0.00 U	123.0	0.001 U	0.00 U	0.033
4/18	0.06	5.0 U	0.020 U	0.00 U	115.0	0.001 U	0.02 U	0.027
9/18	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 6/22/21

	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	
7/10	0.0010 U	0.0031	0.2800	0.0010 U	0.0010 U	--	0.0085	0.2000	0.0110	--	0.00370	--
9/10	0.0050 U	0.0050 U	0.6750	0.0070	0.0082	62.60	0.0533	0.3300	0.1430	69.4000	0.05190	57.900
4/11	0.0050 U	0.0050 U	0.3030	0.0050 U	0.0050 U	73.90	0.0050 U	0.3220	0.0157	2.9000	0.01010	54.900
9/11	0.0050 U	0.0050 U	0.3190	0.0050 U	0.0066	70.30	0.0050 U	0.2160	0.0106	0.8970	0.01100	53.500
3/12	0.0050 U	0.0050 U	0.3650	0.0050 U	0.0062	78.70	0.0073	0.3740	0.0243	4.7600	0.01370	56.300
9/12	0.0050 U	0.0050 U	0.4330	0.0050 U	0.0089	72.80	0.0229	0.3430	0.0414	17.9000	0.00953	53.100
3/13	0.0050 U	0.0050 U	0.2590	0.0050 U	0.0050 U	76.30	0.0051	0.3880	0.0133	3.4700	0.00500 U	54.900
9/13	0.0050 U	0.0025	0.3000	0.0010 U	0.0010 U	76.00	0.0010 U	0.3400	0.0026	10.0000 U	0.00100 U	54.000
9/13	0.0050 U	0.0050 U	0.3010	0.0050 U	0.0050 U	79.80	0.0064	0.2630	0.0149	7.6500	0.00541	56.700
9/13	0.0050 U	0.0320	0.3900	0.0013	0.0010 U	78.00	0.0120	0.3500	0.0540	17.0000	0.02500	58.000
3/14	0.0050 U	0.0050 U	0.3000	0.0050 U	0.0050 U	80.10	0.0118	0.2810	0.0157	8.6500	0.00552	56.300
9/14	0.0050 U	0.0050 U	0.3930	0.0050 U	0.0050 U	90.20	0.0050 U	0.4660	0.0091	2.3900	0.00500 U	65.000
3/15	0.0020 U	0.0020 U	0.3100	0.0020 U	0.0040 U	83.00	0.5700	0.5900	0.0170	8.3000	0.00200 U	60.000
8/15	0.0010 U	0.0011	0.3200	0.0010 U	0.0005 U	84.00	0.5300	0.4600	0.0110	3.3000	0.00100 U	59.000
3/16	0.0020 U	0.0020 U	0.3320	0.0020 U	0.0023	95.90	0.0020 U	0.5540	0.0033	27.3000	0.00200 U	71.500
9/16	0.0020 U	0.0020 U	0.0158	0.0020 U	0.0020 U	19.50	0.0031	0.0020 U	0.0020 U	0.2000 U	0.00200 U	2.820
3/17	0.0020 U	0.0031	0.3170	0.0020 U	0.0020 U	96.70	0.0034	0.5700	0.0216	0.7980	0.00200 U	66.900
9/17	0.0020 U	0.0020 U	0.4180	0.0020 U	0.0024	109.00	0.0032	0.5970	0.0031	0.7230	0.00200 U	79.300
4/18	0.0020 U	0.0200 U	0.3500	0.0020 U	0.0020 U	93.10	0.0200 U	0.5680	0.0200 U	3.8500	0.00200 U	70.200
9/18	0.0020 U	0.0020 U	0.3400	0.0020 U	0.0020 U	98.60	0.0037	0.7860	0.0337	22.7000	0.00200 U	72.600
4/19	0.0010 U	0.0010 U	0.4630	0.0010 U	0.0010 U	110.00	0.0059	0.8380	0.0072	4.7500 B	0.00100 U	91.700

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-6 - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/19	0.0010 U	0.0010 U	0.3820	0.0010 U	0.0010 U	75.60	0.0066	0.7070	0.0029	3.6300	0.00100 U	68.400
3/20	0.0010 U	0.0010 U	0.3580	0.0010 U	0.0010 U	76.50	0.0018	0.7340	0.0050	14.1000	0.00100 U	71.200
8/20	0.0010 U	0.0010 U	0.4150	0.0010 U	0.0010 U	82.70	0.0035	0.7600	0.0034	3.6800	0.00100 U	77.300
3/21	0.0010 U	0.0010 U	0.3480	0.0010 U	0.0010 U	76.00	0.0016	0.5860	0.0073	1.8600	0.00100 U	66.200

Gude Landfill
Monitoring Location MW-6 - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200 U	0.0330	--	0.00120	0.0010 U	--	0.0010 U	0.0050 U	0.00670	0.06800
9/10	38.90000	0.000200 U	0.1540	4.920	0.04290	0.0050 U	56.20	0.0050 U	--	0.05310	0.50000
4/11	54.00000	0.000350	0.0339	2.940	0.01130	0.0050 U	63.10	0.0050 U	--	0.00500 U	0.05160
9/11	37.63000	0.000200 U	--	3.710	0.00983	0.0050 U	61.20	0.0001	--	0.00500 U	0.04870
3/12	44.40000	0.000200 U	0.0339	3.630	0.00963	0.0050 U	70.90	0.0050 U	--	0.00540	0.06160
9/12	37.60000	0.000200 U	0.0342	4.190	0.01510	0.0050 U	59.60	0.0050 U	--	0.01490	0.13600
3/13	48.00000	0.000200 U	0.0344	3.770	0.00839	0.0050 U	65.30	0.0050 U	--	0.00500 U	0.05150
9/13	40.00000	0.000200 U	--	3.500	0.00058 J	0.0010 U	65.00	0.0010 U	--	0.00500 U	2.00000 U
9/13	40.00000	0.000200 U	0.0349	4.000	0.01330	0.0050 U	66.00	0.0050 U	--	0.00500 U	0.05610
9/13	37.00000	0.000140 J	--	3.800	0.00380	0.0010 U	65.00	0.0010 U	--	0.01400	0.14000
3/14	44.70000	0.000200 U	0.0409	3.350	0.00843	0.0050 U	64.30	0.0050 U	--	0.00508	0.06270
9/14	54.30000	0.000200 U	0.0532	3.970	0.00837	0.0050 U	89.80	0.0050 U	--	0.00500 U	0.04560
3/15	48.00000	0.000200 U	0.5700	3.500	0.35000 U	0.0100 U	76.00	0.0020 U	--	0.01000 U	0.04800
8/15	50.00000	0.000200 U	0.5600	3.900	0.00500 U	0.0010 U	95.00	0.0010 U	--	0.00500 U	0.04500
3/16	58.10000	0.000200 U	0.0511	3.290	0.00568	0.0001 U	101.00	0.0010 U	--	0.00200 U	0.02530
9/16	0.01310	0.000200 U	0.0020 U	1.170	0.00200 U	0.0020 U	10.40	0.0010 U	--	0.00200 U	0.00357
3/17	45.50000	0.000200 U	0.0684	4.080	0.00205	0.0020 U	107.00	0.0010 U	--	0.00225	0.04240
9/17	61.20000	0.000200 U	0.0654	4.220	0.00572	0.0020 U	123.00	0.0010 U	--	0.00200 U	0.03370
4/18	65.60000	0.000200 U	0.0576	5.520	0.02000 U	0.0020 U	106.00	0.0010 U	--	0.02000 U	0.02790
9/18	3.47000	0.000200 U	0.0776	2.350	0.00200 U	0.0020 U	105.00	0.0010 U	--	0.00200 U	0.05010
4/19	75.00000	0.000132	0.1000	4.890	0.01180	0.0010 U	199.00	0.0010 U	--	0.00100 U	0.05740 B

Gude Landfill
Monitoring Location MW-6 - Total Metals

Printed 6/22/21

	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)
8/19	64.80000	0.000100 U	0.0811	4.350	0.00969	0.0010 U	171.00	0.0010 U	--	0.00100 U	0.03810 B
3/20	52.40000	0.000100 U	0.0808	4.330	0.00547	0.0010 U	167.00	0.0010 U	--	0.00100 U	0.03850
8/20	56.90000	0.000100 U	0.0885	4.570	0.00692	0.0010 U	174.00	0.0010 U	--	0.00100 U	0.04500
3/21	41.30000	0.000100 U	0.0784	3.870	0.00532	0.0010 U	157.00	0.0010 U	--	0.00100 U	0.03910

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5		75	
7/10	1.00 U	1.00 U	1.00 U	1.00 U	7.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00	2.00	1.00 U	1.00 U	10.00
9/10	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	1.84 J	2.37	2.00 U	6.64
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	0.85	1.00 U	1.00 U	--	7.00
9/12	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	1.00 U	1.00 U	6.24
3/13	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	1.00 U	1.15	4.53
9/13	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	3.99
3/14	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	4.99
9/14	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	1.00 U	1.00 U	4.42
3/15	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	1.00 U	1.00 U	3.27
8/15	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	1.00 U	1.00 U	3.92
3/16	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	1.00 U	1.00 U	4.43
9/16	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	1.34
3/17	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	3.63
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	1.00 U	1.00 U	3.38
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	1.00 U	1.00 U	2.78
9/18	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	2.40
4/19	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	1.00 U	4.30

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	4.80
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	1.00 U	1.00 U	1.00 U	1.00 U	4.60
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	5.90
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	4.90

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5		80	80			5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	1.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	7.00	1.00
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.74 J	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	5.77	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.10	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.30	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.56	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.03	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.03	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.94	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.19	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.17	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.90	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	11.60	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.02	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	8.84	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.75	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.67	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.82	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.60	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.03	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	13.70	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.30	1.00 U

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.40	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.20	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.50	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.10	1.00 U

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	1.00 U	1.00 U	41.00	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	1.00 U
9/10	2.00 U	2.00 U	33.20	2.00 U	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	23.00	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	1.00 U
9/12	1.00 U	1.00 U	18.10	1.00 U	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
3/13	1.00 U	1.00 U	15.30	1.00 U	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
9/13	1.00 U	1.00 U	15.60	1.00 U	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
3/14	1.00 U	1.00 U	11.20	1.00 U	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
9/14	1.00 U	1.00 U	11.40	1.00 U	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
3/15	1.00 U	1.00 U	11.20	1.00 U	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
8/15	1.00 U	1.00 U	12.90	1.00 U	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
3/16	1.00 U	1.00 U	13.40	1.00 U	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
9/16	1.00 U	1.00 U	7.86	1.00 U	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
3/17	1.00 U	1.00 U	10.30	1.00 U	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
9/17	1.00 U	1.00 U	6.92	1.00 U	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
4/18	1.00 U	1.00 U	6.41	1.00 U	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
9/18	1.00 U	1.00 U	3.71	1.00 U	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
4/19	1.00 U	1.00 U	4.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-6 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
8/19	1.00 U	1.00 U	5.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	4.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	4.10	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	1.00 U	1.00 U	1.00 U
3/21	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Monitoring Location MW-6 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	3.00	1.00 U	5.00 U	2.00	1.00 U	1.00 U	7.00	--
9/10	2.63	2.00 U	2.00 U	1.19 J	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	2.20	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.20	1.00 U	5.00 U	1.00	1.00 U	1.00 U	2.00	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.01	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.65	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.26	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.62	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.38	1.00 U
8/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.42	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.41	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-6 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-7 - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS					0.2			10		1			
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--
9/10	90.0	0.20 U	12.6	131.0000	--	--	650.0	10.3500	10.40	0.05 U	--	--	--
4/11	42.0	0.20 U	15.0	119.0000 J	--	--	219.0	14.5900	14.60	0.05 U	--	--	--
9/11	69.0	0.20 U	15.1	117.0000	--	--	241.0	18.4500	18.50	0.05 U	--	--	--
3/12	42.0	0.20 U	14.6	70.3000	--	--	198.0	29.0900	29.10	0.05 U	--	--	--
9/12	31.0	0.20 U	10.0 U	108.0000	--	--	216.0	22.6500	22.70	0.05 U	--	--	--
3/13	68.0	0.20 U	21.2	118.0000	--	0.17	238.0	15.0122	15.10	0.09	461.0	5.79	--
9/13	48.0	0.20 U	10.0 U	117.0000	--	0.46	212.0	15.7500	15.80	0.05 U	375.0	5.57	--
3/14	139.0	0.27	23.7	123.0000	--	0.05	294.0	6.2060	--	--	234.0	5.55	--
9/14	259.0	0.38	35.8	166.0000	--	1.25	418.0	2.1700	2.22	0.05 U	75.0	6.27	--
3/15	62.0	0.20 U	10.0 U	124.0000	--	2.59	210.0	4.2000	4.25	0.05 U	387.0	5.81	--
8/15	128.0	0.20 U	25.2	128.0000	--	2.24	266.0	5.3800	5.39	0.05 U	318.0	5.93	--
3/16	254.0	0.20 U	34.4	194.0000	--	0.00	440.0	1.0400	1.09	0.05 U	154.0	5.95	--
9/16	105.0	0.20 U	10.0 U	85.1000	--	--	114.0	1.8400	1.85	0.05 U	249.0	5.41	--
3/17	290.0	0.20 U	25.0	189.0000	--	--	126.0	0.2540	0.26	0.05 U	249.0	5.95	--
9/17	384.0	1.32	40.8	222.0000	--	0.04	450.0	0.3170	0.33	0.05 U	95.0	6.15	--
3/18	395.0	0.32	37.6	235.0000	--	--	700.0	0.3670	0.38	0.05 U	31.0	6.07	--
9/18	260.0	0.46	27.2	167.0000	--	--	416.0	0.2000 U	0.20 U	0.05 U	-35.0	5.87	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-7 - General Parameters

Printed 6/22/21

	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)
4/19	284.0	1.05	48.0	118.0000	--	0.23	284.0	0.2000 U	--	--	-80.8	5.96	6.31
8/19	344.0	1.24	51.9	188.0000	--	0.09	400.0	0.2000 U	--	--	-35.5	5.70	6.14
3/20	131.0	0.30	18.7	69.4000	--	0.44	199.0	2.4200	--	--	214.3	5.71	5.90
8/20	200.0	0.97	56.6	162.0000	--	0.57	360.0	0.2000 U	--	--	103.4	6.03	6.10
3/21	279.0	0.22	30.0	85.8000	--	2.97	289.0	2.9100	--	--	53.1	6.30	6.46

Gude Landfill
Monitoring Location MW-7 - 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 Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
8/10	--	--	--	0.0 U	--	--	--	--	--
9/10	--	--	13.10	--	--	648.0	--	11.100	--
4/11	--	--	12.40 J	--	--	552.0	--	6.060	--
9/11	--	--	11.70	--	--	788.0	--	--	--
3/12	--	--	5.60	--	--	528.0	--	--	--
9/12	--	--	11.00	--	--	560.0	--	--	--
3/13	693.4	--	5.66	--	13.9	420.0	--	--	0.80
9/13	580.1	--	7.76	--	17.0	524.0	--	--	3.70
3/14	667.6	--	10.50	--	16.7	442.0	--	--	6.09
9/14	1005.0	--	21.00	--	16.6	650.0	--	--	10.10
3/15	174.4	--	21.40	--	11.9	398.0	--	--	0.00
8/15	640.3	--	26.80	--	27.5	392.0	--	--	0.00
3/16	979.3	--	21.20	--	17.0	600.0	--	--	0.00
9/16	540.4	--	34.90	--	23.2	358.0	--	--	0.00
3/17	920.7	--	23.80	--	15.4	578.0	--	--	1.60
9/17	1417.0	--	19.20	--	18.2	779.0	--	--	8.70
3/18	1293.0	--	22.10	--	14.6	779.0	--	--	8.20
9/18	1025.0	--	27.30	--	18.5	582.0	--	--	7.70

Gude Landfill

Monitoring Location MW-7 - 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 Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19	1109.0	863.0	21.80	--	19.7	572.0	5.7	18.100	9.80
8/19	1.2	1210.0	34.10	--	17.7	800.0	6.2	10.100	0.10
3/20	641.0	610.0	66.00	--	18.9	362.0	2.4	1.420	1.90
8/20	933.0	1120.0	54.30	--	20.6	646.0	20.4	10.900	43.80
3/21	847.0	884.0	46.40	--	18.2	519.0	64.2	8.370	30.70

Gude Landfill
Monitoring Location MW-7 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
8/15	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
3/16	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
9/16	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
3/17	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
9/17	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
3/18	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
9/18	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		
4/11	0.01	3.3	0.005 U	0.01 U	31.3	0.005 U	0.01 U	0.009
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	3.1	0.005 U	0.01 U	22.8	0.005 U	0.01 U	0.012
9/12	0.01	3.6	0.005 U	0.01 U	24.8	0.005 U	0.01 U	0.010
3/13	0.01	4.1	0.005 U	0.01 U	22.8	0.005 U	0.01 U	0.011
9/13	0.01	2.9	0.005 U	0.01 U	23.5	0.005 U	0.01 U	0.010
3/14	0.01	3.6	0.005 U	0.01 U	25.8	0.005 U	0.01 U	0.009
9/14	0.01	4.2	0.005 U	0.01 U	49.2	0.005 U	0.01 U	0.010
3/15	0.01 U	2.9	0.035 U	0.01 U	29.0	0.002 U	0.01 U	0.010 U
8/15	0.01 U	3.5	0.005 U	0.00 U	40.0	0.001 U	0.01 U	0.007
3/16	0.01	3.9	0.008	0.00 U	48.0	0.001 U	0.00 U	0.003
9/16	0.01	2.9	0.002 U	0.00 U	33.3	0.001 U	0.00 U	0.007
3/17	0.01	4.1	0.004	0.00 U	49.4	0.001 U	0.00 U	0.019
9/17	0.01	4.4	0.003	0.00 U	52.6	0.001 U	0.00 U	0.005
3/18	0.01	4.7	0.005	0.00 U	51.8	0.001 U	0.00	0.005
9/18	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 6/22/21

	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	
8/10	0.0010 U	0.0012	0.0800	0.0010 U	0.0010 U	--	0.0018	0.0160	0.0180	--	0.00100 U	--
9/10	0.0050 U	0.0050 U	0.0666	0.0050 U	0.0050 U	46.70	0.0050 U	0.0066	0.0160	0.6900	0.00500 U	23.200
4/11	0.0050 U	0.0050 U	0.0674	0.0050 U	0.0050 U	46.50 J	0.0050 U	0.0050 U	0.0100	0.5170	0.00500 U	28.100 J
9/11	0.0050 U	0.0050 U	0.0636	0.0100 U	0.0050 U	55.20	0.0050 U	0.0050 U	0.0084	0.5000 U	0.00500 U	31.500
3/12	0.0050 U	0.0050 U	0.0580	0.0050 U	0.0050 U	41.70	0.0050 U	0.0065	0.0115	0.4780	0.00500 U	25.700
9/12	0.0050 U	0.0050 U	0.0631	0.0050 U	0.0050 U	44.50	0.0050 U	0.0073	0.0130	0.4130	0.00500 U	24.700
3/13	0.0050 U	0.0050 U	0.0635	0.0050 U	0.0050 U	48.90	0.0050 U	0.0050 U	0.0172	0.3910	0.00500 U	27.600
9/13	0.0050 U	0.0050 U	0.0732	0.0050 U	0.0050 U	45.40	0.0050 U	0.0050 U	0.0110	0.2900	0.00500 U	27.700
3/14	0.0050 U	0.0050 U	0.0659	0.0050 U	0.0050 U	55.60	0.0050 U	0.0100	0.0111	3.3100	0.00500 U	28.700
9/14	0.0050 U	0.0050 U	0.1020	0.0050 U	0.0050 U	81.60	0.0050 U	0.0103	0.0148	2.2300	0.00500 U	44.100
3/15	0.0020 U	0.0020 U	0.0580	0.0020 U	0.0040 U	40.00	0.0100 U	0.0100 U	0.0068 J	0.0050 U	0.00200 U	23.000
8/15	0.0010 U	0.0010 U	0.0690	0.0010 U	0.0005 U	57.00	0.0050 U	0.0094	0.0096	0.1300	0.00100 U	29.000
3/16	0.0050 U	0.0050 U	0.1030	0.0050 U	0.0050 U	98.00	0.0050 U	0.0136	0.0121	3.8300	0.00500 U	53.400
9/16	0.0020 U	0.0020 U	0.0599	0.0020 U	0.0020 U	40.20	0.0020 U	0.0121	0.0051	1.6000	0.00200 U	21.900
3/17	0.0020 U	0.0025	0.0921	0.0020 U	0.0020 U	98.10	0.0068	0.0159	0.0129	2.3600	0.00200 U	50.600
9/17	0.0050 U	0.0050 U	0.1100	0.0050 U	0.0050 U	127.00	0.0050 U	0.0132	0.0100	6.3100	0.00500 U	64.700
3/18	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	148.00	0.0050 U	0.0114	0.0071	1.9800	0.00500 U	70.800
9/18	0.0050 U	0.0050 U	0.0918	0.0050 U	0.0050 U	93.20	0.0050 U	0.0153	0.0095	4.1000	0.00500 U	44.500
4/19	0.0010 U	0.0010 U	0.2250	0.0010 U	0.0010 U	52.00	0.0035	0.0443	0.0082	19.5000	0.00100 U	37.400
8/19	0.0010 U	0.0010 U	0.1460	0.0010 U	0.0010 U	73.60	0.0012	0.0764	0.0264	4.3100	0.00100 U	52.400
3/20	0.0010 U	0.0010 U	0.0669	0.0010 U	0.0010 U	38.20	0.0047	0.0235	0.0038	0.1810	0.00100 U	25.200

Gude Landfill
Monitoring Location MW-7 - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.1060	0.0010 U	0.0010 U	69.00	0.0037	0.0886	0.0219	1.7500	0.00100 U	45.500
3/21	0.0010 U	0.0010 U	0.0842	0.0010 U	0.0010 U	56.40	0.0052	0.0080	0.0264	0.7450	0.00100 U	36.000

Gude Landfill
Monitoring Location MW-7 - Total Metals

Printed 6/22/21

	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			
8/10	--	0.000200 U	0.0099	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01300
9/10	2.01000	0.000200 U	0.0157	3.160	0.00500 U	0.0050 U	33.40	0.0050 U	--	0.00500 U	0.02460
4/11	0.76100	0.000200 U	0.0064	3.810	0.00500 U	0.0050 U	32.60 J	0.0050 U	--	0.00500 U	0.01190
9/11	0.56200	0.000200 U	--	3.360	0.00500 U	0.0050 U	31.70	0.0050 U	--	0.00500 U	0.01060
3/12	0.68100	0.000200 U	0.0059	3.090	0.00500 U	0.0050 U	22.70	0.0050 U	--	0.00500 U	0.01480
9/12	0.34000	0.000200 U	0.0077	3.800	0.00500 U	0.0050 U	23.10	0.0050 U	--	0.00500 U	0.01400
3/13	1.30000	0.000200 U	0.0069	4.230	0.00500 U	0.0050 U	24.10	0.0050 U	--	0.00500 U	0.00977
9/13	1.22000	0.000200 U	0.0068	2.820	0.00500 U	0.0050 U	24.70	0.0050 U	--	0.00500 U	0.00991
3/14	1.88000	0.000200 U	0.0077	3.810	0.00500 U	0.0050 U	25.70	0.0050 U	--	0.00500 U	0.00955
9/14	5.81000	0.000200 U	0.0089	4.170	0.00500 U	0.0050 U	48.20	0.0050 U	--	0.00500 U	0.01180
3/15	0.95000	0.000200 U	0.0110 U	2.800	0.03500 U	0.0100 U	28.00	0.0020 U	--	0.01000 U	0.01000 U
8/15	2.20000	0.000200 U	0.0100 U	3.800	0.00500 U	0.0010 U	43.00	0.0010 U	--	0.00500 U	0.01100
3/16	1.83000	0.000200 U	0.0086	5.690	0.00500 U	0.0050 U	56.10	0.0050 U	--	0.00500 U	0.00708
9/16	1.49000	0.000200 U	0.0052	2.940	0.00200 U	0.0020 U	33.10	0.0010 U	--	0.00200 U	0.00711
3/17	1.92000	0.000200 U	0.0099	4.080	0.00407	0.0020 U	49.40	0.0010 U	--	0.00200 U	0.01470
9/17	3.40000	0.000200 U	0.0072	4.620	0.00500 U	0.0050 U	55.10	0.0050 U	--	0.00500 U	0.02460
3/18	3.18000	0.000200 U	0.0102	5.220	0.00500 U	0.0050 U	55.90	0.0050 U	--	0.00500 U	0.03080
9/18	2.71000	0.000200 U	0.0115	4.110	0.00500 U	0.0050 U	43.10	0.0050 U	--	0.00500 U	0.04090
4/19	20.10000 J	0.000100 U	0.0082	3.990	0.00100 U	0.0010 U	56.00 B	0.0010 U	--	0.00125	0.00564
8/19	19.60000	0.000100 U	0.0111	4.330	0.00100 U	0.0010 U	67.00	0.0010 U	--	0.00100 U	0.00793 B
3/20	2.28000	0.000100 U	0.0096	3.220	0.00100 U	0.0010 U	45.00	0.0010 U	--	0.00100 U	0.00650

Gude Landfill
Monitoring Location MW-7 - Total Metals

Printed 6/22/21

	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)
8/20	6.51000	0.000100 U	0.0171	4.580	0.00100 U	0.0010 U	65.30	0.0010 U	--	0.00330	0.01520
3/21	0.08500	0.000100 U	0.0067	3.890	0.00100 U	0.0010 U	59.10	0.0010 U	--	0.00239	0.00948 B

Gude Landfill

Monitoring Location MW-7 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
8/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	9.00
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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	1.69
9/13	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
3/14	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	7.54
9/14	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	10.60
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	1.22
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	1.00 U	1.00 U	3.39
3/16	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	1.00 U	1.00 U	18.20
9/16	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	2.94
3/17	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	1.00 U	1.00 U	14.50
9/17	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	1.00 U	1.00 U	20.00
3/18	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	1.00 U	1.00 U	18.40
9/18	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	8.50
4/19	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	1.00 U	9.40

Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	12.30
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	1.00 U	1.00 U	1.00 U	1.00 U	2.90
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	7.60
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	2.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00 U
9/10	2.00 U	0.73 J	2.00 U	2.00 U	4.74	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.35	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	28.40	5.00 U	1.29	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.31	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.06	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.05	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.49	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.07	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.24	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.11	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	39.00	5.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U

Gude Landfill
Monitoring Location MW-7 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	12.70	5.00 U	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.20	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-7 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
8/10	1.00 U	1.00 U	31.00	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	1.00 U
9/10	2.00 U	0.58 J	2.00 U	2.00 U	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	0.54 J	2.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.70	--	1.00 U	3.00	1.00 U
3/12	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	3.20	1.00 U
9/12	1.00 U	1.00 U	5.12	1.00 U	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	3.56	1.00 U
3/13	1.00 U	1.00 U	3.38	1.00 U	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	5.26	1.00 U
9/13	1.00 U	1.00 U	3.45	1.00 U	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	4.39	1.00 U
3/14	1.00 U	1.00 U	6.65	1.00 U	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	4.64	1.00 U
9/14	1.00 U	1.00 U	5.18	1.00 U	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	1.97	1.00 U
3/15	1.00 U	1.00 U	2.05	1.00 U	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	3.79	1.00 U
8/15	1.00 U	1.00 U	1.54	1.00 U	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	2.22	1.00 U
3/16	1.00 U	1.00 U	8.40	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.79	1.00 U	1.00 U	2.34	1.00 U
9/16	1.00 U	1.00 U	7.77	1.00 U	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	1.02	1.00 U
3/17	1.00 U	1.00 U	8.46	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.36	1.00 U	1.00 U	2.02	1.00 U
9/17	1.00 U	1.00 U	9.23	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.98	1.00 U	1.00 U	2.54	42.40
3/18	1.00 U	1.00 U	9.76	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.84	1.00 U	1.00 U	2.07	1.00 U
9/18	1.00 U	1.00 U	7.71	1.00 U	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
4/19	1.00 U	1.00 U	8.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 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 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
8/19	1.00 U	1.00 U	6.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	4.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-7 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
8/10	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1.00 U	5.00	--
9/10	2.00 U	2.00 U	2.00 U	0.52 J	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	11.00	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	3.00	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	3.58	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	2.21	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	2.62	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	2.37	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.09	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.37	1.00 U	5.00 U	1.00 U	1.00 U
8/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	2.17	1.00 U	5.00 U	1.25	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	2.10	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	2.85	1.00 U	5.00 U	1.24	1.00 U
3/18	1.00 U	1.00 U	5.00 U	2.49	1.00 U	5.00 U	1.07	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.31	1.00 U	5.00 U	1.05	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-7 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-8 - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS					0.2			10		1			
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--
9/10	190.0	0.73	10.0 U	190.0000	--	--	270.0	7.6300	7.68	0.05 U	--	--	--
4/11	480.0	1.94	26.3	207.0000	--	--	600.0	13.8500	13.90	0.05 U	--	--	--
9/11	209.0	0.20 U	6.2	210.0000	--	--	99.0	5.6500	5.66	0.05 U	--	--	--
3/12	166.0	0.20 U	11.5	198.0000	--	--	332.0	14.7900	14.80	0.05 U	--	--	--
9/12	178.0	0.20 U	10.0 U	223.0000	--	--	344.0	9.6100	9.66	0.05 U	--	--	--
3/13	175.0	0.20 U	10.0 U	172.0000	--	1.07	302.0	4.7500	4.80	0.05 U	306.0	6.57	--
9/13	89.0	0.20 U	10.0 U	197.0000	--	1.00	218.0	5.2100	5.26	0.05 U	264.0	6.39	--
3/14	233.0	0.20 U	16.0	142.0000	--	8.14	412.0	14.5500	--	--	290.0	6.61	--
9/14	187.0	0.20 U	11.8	160.0000	--	0.96	316.0	9.4300	9.44	0.05 U	262.0	6.81	--
3/15	266.0	0.20 U	12.5	134.0000	--	10.47	444.0	11.5900	11.60	0.05 U	312.0	7.83	--
8/15	144.0	0.20 U	10.2	151.0000	--	2.70	276.0	9.5300	9.54	0.05 U	315.0	6.55	--
3/16	289.0	0.20 U	10.0 U	133.0000	--	0.00	468.0	6.7500	6.80	0.05 U	206.0	7.14	--
8/16	157.0	0.20 U	13.2	102.0000	--	--	298.0	8.2200	8.23	0.05 U	284.0	6.64	--
3/17	216.0	0.20 U	10.0 U	135.0000	--	--	400.0	6.8400	6.85	0.05 U	253.0	6.90	--
9/17	128.0	0.20 U	10.0 U	128.0000	--	--	260.0	6.8200	6.87	0.05 U	322.0	7.03	--
3/18	45.4	0.20 U	10.0 U	125.0000	--	--	170.0	7.4700	7.48	0.05 U	148.0	7.18	--
9/18	346.0	0.20 U	14.6	91.7000	--	--	412.0	5.8100	5.82	0.05 U	89.0	6.75	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-8 - General Parameters

Printed 6/22/21

	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)
4/19	660.0	1.99	38.0	112.0000	--	0.08	670.0	0.2000 U	--	--	39.2	6.88	7.05
8/19	612.0	1.05	18.9	126.0000	--	0.11	596.0	0.2000 U	--	--	28.5	6.45	6.96
3/20	423.0	0.10 U	16.9	88.7000	--	2.96	526.0	14.1000	--	--	109.5	6.87	6.99
8/20	257.0	0.10 U	29.8	19.9000	--	0.51	517.0	3.2500	--	--	70.9	6.96	6.91
3/21	170.0	0.10 U	20.2	99.0000	--	0.77	643.0	3.4200	--	--	59.9	6.92	7.03

Gude Landfill
Monitoring Location MW-8 - 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 Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
7/10	--	--	--	3.0 U	--	--	--	--	--
9/10	--	--	55.00	--	--	696.0	--	1227.000	--
4/11	--	--	68.50	--	--	1136.0	--	22.700	--
9/11	--	--	72.60	--	--	1016.0	--	--	--
3/12	--	--	67.40	--	--	776.0	--	--	--
9/12	--	--	69.00	--	--	712.0	--	--	--
3/13	1.2	--	95.10	--	14.6	642.0	--	--	8.70
9/13	907.6	--	57.60	--	16.8	520.0	--	--	--
3/14	1121.0	--	136.00	--	14.3	740.0	--	--	35.20
9/14	964.7	--	92.70	--	15.6	624.0	--	--	11.60
3/15	951.2	--	120.00	--	8.5	656.0	--	--	7.50
8/15	879.0	--	69.30	--	17.3	483.0	--	--	2.87
3/16	1123.0	--	169.00	--	14.8	742.0	--	--	0.00
8/16	895.0	--	111.00	--	19.0	588.0	--	--	1.50
3/17	932.0	--	130.00	--	12.9	643.0	--	--	19.40
9/17	733.2	--	84.60	--	18.8	528.0	--	--	410.00
3/18	617.9	--	53.30	--	14.3	417.0	--	--	11.80
9/18	1111.0	--	103.00	--	16.9	684.0	--	--	0.00

Gude Landfill
Monitoring Location MW-8 - 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 Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19	1814.0	1480.0	60.80	--	10.8	917.0	2.7	3.180	3.10
8/19	1.4	1470.0	64.40	--	14.7	868.0	2.3 J	2.630	0.00
3/20	1195.0	1250.0	59.60	--	16.1	762.0	11.6	2.930	7.00
8/20	1183.0	1360.0	56.10	--	18.3	791.0	539.0	13.700	20.50
3/21	1454.0	1520.0	33.70	--	12.7	846.0	27.6	4.870	25.60

Gude Landfill
Monitoring Location MW-8 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
8/15	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
3/16	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
8/16	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
3/17	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
3/18	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
9/18	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

Printed 6/22/21

	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		
4/11	0.01	20.1	0.005 U	0.01 U	130.0	0.005 U	0.01 U	0.008
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	11.6	0.005 U	0.01 U	113.0	0.005 U	0.01 U	0.005 U
9/12	0.08	11.5	0.005	0.01 U	114.0	0.005 U	0.01 U	0.016
3/13	0.01 U	13.7	0.005 U	0.01 U	88.8	0.005 U	0.01 U	0.007
9/13	0.02	8.2	0.005 U	0.01 U	99.5	0.005 U	0.01 U	0.031
3/14	0.01	13.0	0.005 U	0.01 U	81.5	0.005 U	0.01 U	0.006
9/14	0.01 U	11.0	0.005 U	0.01 U	88.8	0.005 U	0.01 U	0.009
3/15	0.01 J	11.0	0.035 U	0.01 U	72.0	0.002 U	0.01 U	0.010 U
8/15	0.01 U	9.8	0.005 U	0.00 U	85.0	0.001 U	0.01 U	0.005 U
3/16	0.00	12.0	0.003	0.00 U	86.3	0.001 U	0.00 U	0.002 U
8/16	0.00	9.4	0.002	0.00 U	78.5	0.001 U	0.00 U	0.003
3/17	0.01	10.4	0.003	0.00 U	83.8	0.001 U	0.00	0.010
3/18	0.00	8.4	0.003	0.00 U	63.7	0.001 U	0.00 U	0.006
9/18	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 6/22/21

	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	
7/10	0.0010 U	0.0041	0.2900	0.0032	0.0010 U	--	0.0710	0.1100	0.0780	--	0.02700	--
9/10	0.0050 U	0.0050 U	0.2730	0.0050 U	0.0050 U	59.00	0.0215	0.0816	0.0540	15.1000	0.01000	36.900
4/11	0.0050 U	0.0050 U	0.1770	0.0050 U	0.0050 U	114.00 J	0.0050 U	0.0050 U	0.0145	1.6900	0.00500 U	90.900
9/11	0.0050 U	0.0050 U	0.1090	0.0050 U	0.0050 U	76.20	0.0050 U	0.0050 U	0.0067	0.6900	0.00500 U	50.200
3/12	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	70.10	0.0050 U	0.0050 U	0.0081	1.1500	0.00500 U	40.500
9/12	0.0050 U	0.0050 U	0.4190	0.0050 U	0.0050 U	67.40	0.0654	0.0838	0.1310	46.3000	0.02700	39.600
3/13	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	67.50	0.0050 U	0.0050 U	0.0134	0.4980	0.00500 U	33.900
9/13	0.0050 U	0.0050 U	0.1560	0.0050 U	0.0050 U	46.90	0.0221	0.0050 U	0.0107	1.6400	0.00500 U	27.100
3/14	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	87.30	0.0050 U	0.0050 U	0.0069	1.2500	0.00500 U	46.000
9/14	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	64.00	0.0050 U	0.0050 U	0.0061	0.4850	0.00500 U	37.700
3/15	0.0020 U	0.0020 U	0.0890	0.0020 U	0.0040 U	88.00	0.0140	0.0100 U	0.0029 J	0.0050 U	0.00200 U	48.000
8/15	0.0010 U	0.0010 U	0.0940	0.0010 U	0.0005 U	56.00	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00100 U	32.000
3/16	0.0020 U	0.0020 U	0.0856	0.0020 U	0.0020 U	97.30	0.0020 U	0.0020 U	0.0023	0.6880	0.00200 U	52.600
8/16	0.0020 U	0.0020 U	0.0804	0.0020 U	0.0020 U	56.80	0.0020 U	0.0020 U	0.0026	0.3710	0.00200 U	32.800
3/17	0.0050 U	0.0050 U	0.0942	0.0050 U	0.0050 U	79.20	0.0050 U	0.0064	0.0179	2.1400	0.00500 U	41.800
9/17	0.0050 U	0.0050 U	0.1760	0.0050 U	0.0050 U	56.20	0.0290	0.0368	0.0574	22.5000	0.01070	32.200
3/18	0.0050 U	0.0050 U	0.0476	0.0050 U	0.0050 U	38.70	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U	18.800
9/18	0.0050 U	0.0050 U	0.0989	0.0050 U	0.0050 U	91.10	0.0050 U	0.0050 U	0.0050 U	0.1490	0.00500 U	44.800
4/19	0.0010 U	0.0010 U	0.1320	0.0010 U	0.0010 U	109.00	0.0021	0.0184	0.0054	1.0900	0.00100 U	96.700
8/19	0.0010 U	0.0010 U	0.1460	0.0010 U	0.0010 U	99.60	0.0010 U	0.0204	0.0034	0.4440	0.00100 U	84.200
3/20	0.0010 U	0.0010 U	0.1000	0.0010 U	0.0010 U	88.90	0.0036	0.0010 U	0.0012	0.1470	0.00100 U	73.800

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-8 - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.1220	0.0010 U	0.0010 U	87.50	0.0026	0.0014	0.0040	0.4970	0.00100 U	72.600
3/21	0.0010 U	0.0010 U	0.1190	0.0010 U	0.0010 U	106.00	0.0011	0.0010 U	0.0022 B	0.1220	0.00100 U	91.700

Gude Landfill
Monitoring Location MW-8 - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200 U	0.1000	--	0.00070 J	0.0010 U	--	0.0010 U	0.0050 U	0.04700	0.28000
9/10	3.46000	0.000200 U	0.0534	10.400	0.00500 U	0.0050 U	104.00	0.0050 U	--	0.03660	0.16000
4/11	0.14400	0.000200 U	0.0082	19.100 J	0.00500 U	0.0050 U	139.00 J	0.0050 U	--	0.00500 U	0.01430
9/11	0.09020	0.000200 U	--	14.000	0.00500 U	0.0050 U	124.00	0.0050 U	--	0.00500 U	0.01090
3/12	0.01010	0.000200 U	0.0056	11.800	0.00500 U	0.0050 U	106.00	0.0050 U	--	0.00500 U	0.01040
9/12	2.36000	0.000200 U	0.0155	12.900	0.00760	0.0050 U	102.00	0.0100 U	--	0.08740	0.22000
3/13	0.03380	0.000200 U	0.0050 U	13.600	0.00500 U	0.0050 U	95.70	0.0050 U	--	0.00500 U	0.00708
9/13	0.18200	0.000200 U	0.0104	8.000	0.00500 U	0.0050 U	100.00	0.0050 U	--	0.00500 U	0.03110
3/14	0.01110	0.000200 U	0.0075	12.700	0.00500 U	0.0050 U	78.80	0.0050 U	--	0.00500 U	0.00846
9/14	0.01080	0.000200 U	0.0050 U	10.800	0.00500 U	0.0050 U	91.50	0.0050 U	--	0.00500 U	0.00925
3/15	0.00500 U	0.000200 U	0.0110 U	11.000	0.03500 U	0.0100 U	71.00	0.0020 U	--	0.01000 U	0.01000 U
8/15	0.01000 U	0.000200 U	0.0100 U	9.700	0.00500 U	0.0010 U	85.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	0.00477	0.000200 U	0.0036	11.900	0.00227	0.0020 U	87.00	0.0010 U	--	0.00200 U	0.00200 U
8/16	0.02400	0.000200 U	0.0024	8.840	0.00200 U	0.0020 U	69.80	0.0010 U	--	0.00200 U	0.00324
3/17	0.19200	0.000200 U	0.0097	10.700	0.00500 U	0.0050 U	82.60	0.0050 U	--	0.00597	0.01800
9/17	1.16000	0.000200 U	0.0373	9.480	0.00500 U	0.0050 U	72.20	0.0050 U	--	0.03510	0.11200
3/18	0.01990	0.000200 U	0.0050 U	8.660	0.00500 U	0.0050 U	68.30	0.0050 U	--	0.00500 U	0.03260
9/18	0.00686	0.000200 U	0.0050 U	13.300	0.00500 U	0.0050 U	69.50	0.0050 U	--	0.00500 U	0.00500 U
4/19	1.34000	0.000100 U	0.0069	12.900	0.00100 U	0.0010 U	84.80 B	0.0010 U	--	0.00102	0.00611
8/19	1.27000	0.000100 U	0.0060	12.500	0.00100 U	0.0010 U	90.50	0.0010 U	--	0.00100 U	0.00400 U
3/20	0.00543	0.000100 U	0.0044	11.800	0.00100 U	0.0010 U	82.20	0.0010 U	--	0.00100 U	0.00400 U

Gude Landfill
Monitoring Location MW-8 - Total Metals

Printed 6/22/21

	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)
8/20	0.03780	0.000100 U	0.0039	13.200	0.00100 U	0.0010 U	80.20	0.0010 U	--	0.00154	0.00400 U
3/21	0.01700	0.000100 U	0.0030	13.400	0.00100 U	0.0010 U	74.70	0.0010 U	--	0.00100 U	0.00400 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	4.03
3/13	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	1.45
9/13	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
3/14	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
9/14	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
3/15	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
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	1.00 U	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/16	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
3/17	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	1.90
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	1.00 U	1.00 U	1.00 U
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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.60
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.90 J	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	1.41 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.51 J	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	8.60	5.00 U	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
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	10.20	5.00 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	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.10	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.50	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-8 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
7/10	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	1.00 U
9/10	2.00 U	1.98 J	2.00 U	2.00 U	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
4/11	1.00 U	3.70	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
8/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.88	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-8 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-8 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	2.80	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	5.37	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.24	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-8 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-9 - General Parameters

Printed 6/22/21

	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				
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	64.0	0.20 U	10.0 U	11.9000	--	--	80.0	1.2500	1.30	0.05 U	--	--	--	--
4/11	110.0	0.20 U	10.0 U	10.9000 J	--	--	48.0	1.2500	1.26	0.05 U	--	--	--	--
9/11	44.0	0.20 U	10.0 U	12.3000	--	--	140.0	1.1400	1.15	0.05 U	--	--	--	--
3/12	34.0	0.20 U	10.0 U	12.1000	--	--	50.0	1.4700	1.48	0.05 U	--	--	--	--
9/12	37.0	0.20 U	10.0 U	13.6000	--	--	84.0	1.1800	1.23	0.05 U	--	--	--	--
4/13	33.0	0.20 U	10.0 U	12.9000	--	2.88	46.0	1.4500	1.46	0.05 U	514.0	5.42	--	120.2
9/13	28.0	0.20 U	10.0 U	13.9000	--	2.98	48.0	1.4900	1.50	0.05 U	450.0	5.05	--	70.2
3/14	35.0	0.20 U	10.0 U	152.0000	--	3.70	68.0	1.3600	--	--	468.0	5.07	--	579.6
9/14	30.0	0.20 U	10.0 U	15.7000	--	4.67	46.0	1.2600	1.31	0.05 U	377.0	5.50	--	108.1
3/15	28.0	0.20 U	10.0 U	70.3000	--	5.03	36.0	0.8390	0.89	0.05 U	407.0	5.70	--	269.8
9/15	28.0	0.20 U	10.0 U	13.7000	--	--	46.0	1.2100	1.22	0.05 U	382.0	5.16	--	102.0
3/16	51.0	0.20 U	10.0 U	63.3000	--	0.00	124.0	1.1200	1.17	0.05 U	432.0	5.57	--	238.1
9/16	38.0	0.20 U	10.0 U	13.7000	--	--	72.0	1.2700	1.28	0.05 U	400.0	4.97	--	111.7
3/17	46.0	0.20 U	10.0 U	15.3000	--	--	72.0	0.9410	0.95	0.05 U	475.0	5.30	--	99.0
9/17	45.0	0.20 U	10.0 U	16.3000	--	--	62.0	1.0700	1.08	0.05 U	451.0	5.23	--	113.0
3/18	25.7	0.20 U	10.0 U	15.9000	--	--	100.0	1.4200	1.43	0.05 U	313.0	5.25	--	101.9
9/18	22.0	0.20 U	10.0 U	16.8000	--	5.14	42.3	1.4500	1.46	0.05 U	242.0	5.15	--	109.5

Gude Landfill
Monitoring Location MW-9 - General Parameters

Printed 6/22/21

	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)
4/19	20.1	0.10 U	9.0	22.9000	--	5.36	34.7	1.4000	--	--	204.8	5.26	5.65	159.3
8/19	18.6	0.12	4.2	44.1000	--	6.07	77.1	1.7000	--	--	268.7	4.76	5.48	0.2
3/20	17.8	0.10 U	5.2	22.0000	--	5.71	72.0	1.3100	--	--	228.7	5.05	5.49	185.7
8/20	11.0	0.10 U	18.4	19.9000	--	5.46	49.5	1.2800	--	--	324.7	5.79	5.23	116.8
4/21	14.0	0.10 U	3.9	28.9000	--	5.82	43.7	1.6200	--	--	226.3	5.22	3.64	157.1

Gude Landfill
Monitoring Location MW-9 - 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								
8/10	--	--	0.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	168.0	--	1160.000	--
4/11	--	4.00 U	--	--	172.0	--	398.000	--
9/11	--	4.00 U	--	--	116.0	--	--	--
3/12	--	4.00 U	--	--	80.0	--	--	--
9/12	--	4.00 U	--	--	112.0	--	--	--
4/13	--	4.00 U	--	17.3	196.0	--	--	446.00
9/13	--	4.00 U	--	16.7	96.0	--	--	1235.00
3/14	--	4.00 U	--	15.6	370.0	--	--	644.00
9/14	--	4.00 U	--	19.8	72.0	--	--	500.00
3/15	--	4.00 U	--	7.1	188.0	--	--	154.30
9/15	--	4.00 U	--	22.1	34.0	--	--	18.80
3/16	--	4.00 U	--	23.2	147.0	--	--	40.90
9/16	--	4.00 U	--	35.1	91.0	--	--	16.30
3/17	--	4.00 U	--	12.3	124.0	--	--	19.90
9/17	--	4.00 U	--	23.2	94.0	--	--	269.00
3/18	--	4.00 U	--	15.2	55.0	--	--	3.60
9/18	--	4.00 U	--	20.9	81.0	--	--	17.90

Gude Landfill
Monitoring Location MW-9 - General Parameters

Printed 6/22/21

	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)
4/19	123.0	1.00 U	--	19.8	84.0	51.3	28.200	8.30
8/19	199.0	1.00 U	--	18.9	136.0	26.2	159.000	126.00
3/20	128.0	1.00 U	--	20.6	85.0	473.0	165.000	92.70
8/20	117.0	1.00 U	--	23.0	93.5	141.0	160.000	419.10
4/21	255.0	0.30 U	--	19.5	108.0	240.0	62.000	107.10

Gude Landfill
Monitoring Location MW-9 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
3/18	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
9/18	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		
4/11	0.01	1.3	0.005 U	0.01 U	3.6	0.005 U	0.01 U	0.008
9/11	0.01 U	--	--	--	--	--	--	--
3/12	0.01	1.1	0.005 U	0.01 U	3.7	0.005 U	0.01 U	0.011
9/12	0.03	--	--	--	--	--	--	--
4/13	0.02	3.1	0.005 U	0.01 U	32.6	0.005 U	0.01 U	0.006
9/13	0.02	1.0	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.023
3/14	0.01	0.2 U	0.005 U	0.01 U	58.6	0.005 U	0.01 U	0.015
9/14	0.01 U	1.0	0.005 U	0.01 U	10.4	0.005 U	0.01 U	0.017
3/15	0.01 U	1.1	0.035 U	0.01 U	56.0	0.002 U	0.01 U	0.007 J
9/15	0.00 J	0.9	0.000 J	0.00 J	8.4	0.000 J	0.00 J	0.006
3/16	0.00	1.1	0.002 U	0.00 U	39.9	0.001 U	0.00 U	0.009
9/16	0.00	0.7	0.002 U	0.00 U	5.7	0.001 U	0.00 U	0.007
3/17	0.00 U	0.8	0.002 U	0.00 U	4.2	0.001 U	0.00 U	0.007
9/17	0.00 U	0.7	0.002 U	0.00 U	3.4	0.001 U	0.00 U	0.007
3/18	0.00	0.8	0.002 U	0.00 U	3.8	0.001 U	0.00 U	0.012
9/18	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 6/22/21

	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	
8/10	0.0010 U	0.0038	0.2000	0.0007 J	0.0010 U	--	0.1400	0.0280	0.0350	--	0.02600	--
9/10	0.0050 U	0.0050 U	0.3340	0.0050 U	0.0050 U	15.80	0.0588	0.0341	0.0339	48.6000	0.03730	24.400
4/11	0.0050 U	0.0050 U	0.1560	0.0050 U	0.0050 U	14.90	0.0320	0.0160	0.0174	16.7000 J	0.01320	13.200
9/11	0.0050 U	0.0050 U	0.1720	0.0050 U	0.0050 U	12.40	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.01240	6.900
3/12	0.0050 U	0.0050 U	0.0682	0.0050 U	0.0050 U	10.48	0.0090	0.0050 U	0.0083	3.0500	0.00500 U	7.220
9/12	0.0050 U	0.0050 U	1.3300	0.0050 U	0.0050 U	17.50	0.0384	0.0603	0.0369	26.2000	0.05440	15.900
4/13	0.0050 U	0.0050 U	0.0722	0.0050 U	0.0050 U	12.00	0.0270	0.0057	0.0196	6.4100	0.00500 U	8.440
9/13	0.0050 U	0.0050 U	0.1150	0.0050 U	0.0050 U	11.00	0.0263	0.0087	0.0170	14.7000	0.01090	11.800
3/14	0.0050 U	0.0050 U	0.3380	0.0050 U	0.0050 U	14.80	0.0363	0.0138	0.0177	22.2000	0.01370	15.700
9/14	0.0050 U	0.0050 U	0.6880	0.0055	0.0050 U	10.10	0.1280	0.0684	0.0508	86.7000	0.06480	38.200
3/15	0.0020 U	0.0020 U	0.0690	0.0020 U	0.0040 U	4.60	0.0044 J	0.0100 U	0.0043 J	3.0000	0.00180 J	4.500
9/15	0.0010 U	0.0010 U	0.0430	0.0010 U	0.0005 U	6.40	0.0050 U	0.0050 U	0.0050 U	0.7500	0.00100 U	4.700
3/16	0.0050 U	0.0050 U	0.0777	0.0050 U	0.0050 U	8.37	0.0050 U	0.0050 U	0.0050 U	0.8750	0.00500 U	6.340
9/16	0.0020 U	0.0020 U	0.0434	0.0020 U	0.0020 U	6.78	0.0024	0.0020 U	0.0020 U	0.2000 U	0.00200 U	4.880
3/17	0.0020 U	0.0020 U	0.0445	0.0020 U	0.0020 U	9.30	0.0031	0.0020 U	0.0020 U	0.2000 U	0.00200 U	5.090
9/17	0.0050 U	0.0050 U	0.1850	0.0050 U	0.0050 U	12.40	0.0356	0.0124	0.0348	22.8000	0.01460	14.300
3/18	0.0020 U	0.0020 U	0.0405	0.0020 U	0.0020 U	9.71	0.0045	0.0020 U	0.0062	0.2000 U	0.00200 U	5.610
9/18	0.0050 U	0.0050 U	0.0458	0.0050 U	0.0050 U	8.18	0.0050 U	0.0050 U	0.0050 U	0.1800	0.00500 U	5.310
4/19	0.0010 U	0.0010 U	0.0527	0.0010 U	0.0010 U	4.78	0.0131	0.0030	0.0053	4.1600	0.00307	5.520
8/19	0.0010 U	0.0010 U	0.1140	0.0010 U	0.0010 U	10.10	0.0360	0.0076	0.0078 B	11.3000	0.00786	12.600
3/20	0.0010 U	0.0012	0.1530	0.0012	0.0010 U	6.20	0.0520	0.0198	0.0174	22.6000	0.01370	13.700

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-9 - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.0878	0.0010 U	0.0010 U	5.72	0.0126	0.0074	0.0073	8.5300	0.00640	8.560
4/21	0.0010 U	0.0010 U	0.0561	0.0010 U	0.0010 U	6.80	0.0148	0.0022	0.0048	2.1300	0.00171	6.490

Gude Landfill
Monitoring Location MW-9 - Total Metals

Printed 6/22/21

	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			
8/10	--	0.000200 U	0.1100	--	0.00100 U	0.0010 U	--	0.0007 J	0.0050 U	0.06300	0.13000
9/10	1.80000	0.000200 U	0.0553	17.800	0.00500 U	0.0050 U	7.23	0.0050 U	--	0.05410	0.18900
4/11	0.68900	0.000200 U	0.0274	7.410	0.00500 U	0.0050 U	3.75	0.0050 U	--	0.02850	0.07770
9/11	0.19600	0.000350	--	1.540	0.00500 U	0.0050 U	3.91	0.0050 U	--	0.00500 U	0.01660
3/12	0.24200	0.000200 U	0.0050 U	2.090	0.00500 U	0.0050 U	4.26	0.0050 U	--	0.00500 U	0.02420
9/12	3.19000	0.000447	--	9.630	0.00879	0.0050 U	3.77	0.0050 U	--	0.03060	0.15700
4/13	0.27300	0.000200 U	0.0095	3.450	0.00500 U	0.0050 U	7.95	0.0050 U	--	0.00762	0.03630
9/13	0.41500	0.000200 U	0.0058	5.400	0.00500 U	0.0050 U	4.13	0.0050 U	--	0.01670	0.08710
3/14	0.62600	0.000200 U	0.0318	8.610	0.00500 U	0.0050 U	87.10	0.0050 U	--	0.02580	0.08670
9/14	2.56000	0.000200 U	0.1090	30.300	0.00778	0.0050 U	9.44	0.0050 U	--	0.11700	0.39800
3/15	0.08800	0.000200 U	0.0052 J	1.800	0.03500 U	0.0100 U	50.00	0.0020 U	--	0.01000 U	0.02200
9/15	0.02300	0.000200 U	0.0100 U	0.990	0.00500 U	0.0010 U	7.90	0.0010 U	--	0.00500 U	0.00940
3/16	0.05630	0.000200 U	0.0050 U	1.600	0.00500 U	0.0050 U	41.80	0.0050 U	--	0.00500 U	0.01710
9/16	0.05480	0.000200 U	0.0025	0.789	0.00200 U	0.0020 U	5.76	0.0010 U	--	0.00200 U	0.00868
3/17	0.02750	0.000200 U	0.0020 U	0.768	0.00200 U	0.0020 U	4.14	0.0010 U	--	0.00200 U	0.00603
9/17	0.58800	0.000200 U	0.0259	8.290	0.00500 U	0.0050 U	3.90	0.0050 U	--	0.02960	0.11500
3/18	0.01750	0.000200 U	0.0022	0.805	0.00200 U	0.0020 U	3.92	0.0010 U	--	0.00200 U	0.01870
9/18	0.03510	0.000200 U	0.0050 U	0.998	0.00500 U	0.0050 U	6.20	0.0050 U	--	0.00500 U	0.01320
4/19	0.11500	0.000100 U	0.0105	1.950	0.00176	0.0010 U	13.10 B	0.0010 U	--	0.00580	0.04100
8/19	0.35700	0.000179	0.0275	4.200	0.00224	0.0010 U	7.61	0.0010 U	--	0.01400	0.08420
3/20	0.73300	0.000100 U	0.0433	8.300	0.00303	0.0010 U	5.12	0.0010 U	--	0.02720	0.20200

Gude Landfill
Monitoring Location MW-9 - Total Metals

Printed 6/22/21

	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)
8/20	0.34600	0.000100 U	0.0118	3.120	0.00232	0.0010 U	4.63	0.0010 U	--	0.01190	0.07950
4/21	0.10400	0.000100 U	0.0166	1.460	0.00100 U	0.0010 U	5.56	0.0010 U	--	0.00364	0.04080 B,

Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	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	1.00 U	0.05 U	0.02 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

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5		80	80			5	100	
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	22.00	5.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	6.70	5.00 U	1.00 U	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 MW-9 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-9 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
8/10	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	14.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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	8.72	2.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	5.00	3.00
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	16.00	1.00 U
3/12	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	14.00	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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	13.60	1.00 U
4/13	1.00 U	1.00 U	1.00 U	1.00 U	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	16.40	1.00 U
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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	12.90	1.00 U
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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	16.50	1.00 U
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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	1.94	1.00 U
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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	5.10	1.00 U
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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	17.10	1.00 U
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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	9.16	1.00 U
9/16	1.00 U	1.00 U	1.00 U	1.00 U	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	9.71	1.00 U
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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	12.20	1.00 U
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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	11.90	1.00 U
3/18	1.00 U	1.00 U	1.00 U	1.00 U	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	10.20	1.00 U
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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	7.38	1.00 U
4/19	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	8.40	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
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	4.90	1.00 U
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	1.00 U	1.00 U	1.00 U	4.60	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U

Gude Landfill
Monitoring Location MW-9 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
8/10	1.00 U	1.00 U	5.00 U	0.70 J	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	0.73 J	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.11	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	2.03	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.04	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.17	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.09	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-9 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/21	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 MW-10 - General Parameters

Printed 6/22/21

	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				
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	100.0	0.20 U	10.0 U	6.7500	--	--	110.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	75.0	0.20 U	36.6	19.4000 J	--	--	70.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	78.0	0.20 U	10.0 U	8.0200	--	--	72.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	65.0	0.20 U	4.4	8.3100	--	--	68.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	79.0	0.20 U	10.0 U	9.6000	--	--	82.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/13	59.0	0.20 U	10.0 U	6.7600	--	3.24	60.0	0.2000 U	0.20 U	0.05 U	466.0	5.95	--	164.9
9/13	86.0	0.20 U	10.0 U	7.9500	--	1.62	90.0	0.2000 U	0.20 U	0.05 U	436.0	5.90	--	183.0
3/14	68.0	0.20 U	10.0 U	6.9700	--	3.03	82.0	0.2000 U	--	--	531.0	5.62	--	148.4
9/14	4.6	0.20 U	10.0 U	283.0000	--	6.39	236.0	3.9100	3.96	0.05 U	415.0	5.16	--	983.8
3/15	61.0	0.20 U	10.0 U	6.2200	--	3.76	76.0	0.2000 U	0.20 U	0.05 U	407.0	5.95	--	132.3
9/15	62.0	0.20 U	10.0 U	8.6800	--	3.28	70.0	0.2000 U	0.20 U	0.05 U	347.0	5.73	--	163.1
3/16	50.0	0.20 U	10.0 U	6.2600	--	0.00	104.0	0.2000 U	0.20 U	0.05 U	381.0	6.08	--	135.1
9/16	66.0	0.20 U	10.0 U	8.1100	--	--	100.0	0.2000 U	0.20 U	0.05 U	388.0	5.70	--	157.0
3/17	64.0	0.20 U	10.0 U	6.9900	--	--	76.0	0.2000 U	0.20 U	0.05 U	395.0	5.77	--	153.3
9/17	80.0	0.20 U	10.0 U	6.1500	--	--	72.0	0.2000 U	0.20 U	0.05 U	411.0	6.08	--	162.0
4/18	58.1	0.20 U	10.0 U	4.6400	--	--	63.9	0.2000 U	0.20 U	0.05 U	249.0	5.82	--	130.5
9/18	35.8	0.20 U	10.0 U	2.5000 U	--	--	33.4	0.2000 U	0.20 U	0.05 U	243.0	5.59	--	93.7

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-10 - General Parameters

Printed 6/22/21

	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)
4/19	60.6	0.10 U	5.0	2.8000	--	0.46	53.9	0.2000 U	--	--	138.5	5.87	6.07	108.8
8/19	31.7	0.10 U	7.0	2.2000	--	1.31	20.4	0.2000 U	--	--	207.0	5.64	6.11	0.1
3/20	34.5	0.17	3.0 U	2.0000	--	3.65	51.5	0.1600 J	--	--	175.9	5.66	6.15	122.2
8/20	13.2	0.10 U	26.2	1.0000	--	1.83	19.0	0.2000 U	--	--	506.1	6.17	6.06	63.3
3/21	36.0	0.10 U	9.6	0.5320	--	4.81	33.9	0.1040	--	--	215.0	5.79	6.04	82.6

Gude Landfill
Monitoring Location MW-10 - 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								
8/10	--	--	0.0 U	--	--	--	--	--
9/10	--	7.56	--	--	148.0	--	4340.000	--
4/11	--	8.30	--	--	140.0	--	3140.000	--
9/11	--	7.83	--	--	140.0	--	--	--
3/12	--	8.02	--	--	116.0	--	--	--
9/12	--	7.40	--	--	160.0	--	--	--
4/13	--	8.41	--	14.3	162.0	--	--	203.00
9/13	--	6.47	--	13.8	142.0	--	--	1583.00
3/14	--	8.64	--	11.3	144.0	--	--	114.00
9/14	--	18.80	--	18.3	680.0	--	--	401.00
3/15	--	11.30	--	9.6	68.0	--	--	115.50
9/15	--	11.60	--	17.1	73.0	--	--	37.80
3/16	--	11.20	--	20.9	96.0	--	--	16.00
9/16	--	11.40	--	25.0	133.0	--	--	38.00
3/17	--	10.10	--	16.8	138.0	--	--	36.70
9/17	--	11.10	--	18.6	117.0	--	--	26.70
4/18	--	10.00	--	9.7	133.0	--	--	35.60
9/18	--	8.16	--	20.7	58.0	--	--	65.10

Gude Landfill

Monitoring Location MW-10 - 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)
4/19	147.0	1.00 U	--	13.3	114.0	11.2	12.900	5.80
8/19	79.8	5.20	--	17.0	70.0	31.7	14.100	8.66
3/20	97.3	9.68	--	15.0	99.0	174.0	79.500	76.20
8/20	52.5	2.03	--	18.1	59.5	117.0	31.100	95.20
3/21	88.8	11.80	--	14.5	71.5	177.0	84.500	149.30

Gude Landfill
Monitoring Location MW-10 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	0.002 U	0.002 U	0.052	0.002 U	0.004 U	14.0	0.01 U	0.01 U	0.001 J	0.0 U	0.002 U	6.5	0.013	0.0002 U
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
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		
4/11	0.01	2.8	0.005 U	0.01 U	17.5	0.005 U	0.01 U	0.006
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	1.1	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.011
9/12	0.02	1.4	0.005 U	0.01 U	11.3	0.005 U	0.01 U	0.012
4/13	0.01	1.1	0.005 U	0.01 U	11.8	0.005 U	0.01 U	0.011
9/13	0.06	1.7	0.005 U	0.01 U	12.0	0.005 U	0.01 U	0.016
3/14	0.01 U	1.1	0.005 U	0.01 U	11.1	0.005 U	0.01 U	0.056
9/14	0.01	3.3	0.005 U	0.01 U	91.2	0.005 U	0.01 U	0.019
3/15	0.01 U	1.0	0.035 U	0.01 U	8.7	0.002 U	0.01 U	0.028
9/15	0.00 J	1.1	0.005 U	0.00 U	9.2	0.001 U	0.01 U	0.004 J
3/16	0.00	1.0	0.002 U	0.00 U	8.8	0.001 U	0.00 U	0.012
9/16	0.00	1.1	0.002 U	0.00 U	8.6	0.001 U	0.00	0.011
3/17	0.00	0.9	0.002 U	0.00 U	8.1	0.001 U	0.00	0.005
9/17	0.00	1.0	0.002 U	0.00 U	7.8	0.001 U	0.00 U	0.007
4/18	0.00	0.9	0.002 U	0.00 U	8.1	0.001 U	0.00 U	0.011
9/18	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 6/22/21

	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	
8/10	0.0010 U	0.0009 J	0.0920	0.0010 U	0.0010 U	--	0.0070	0.0034	0.0190	--	0.00230	--
9/10	0.0050 U	0.0050 U	1.4900	0.0050 U	0.0050 U	29.10	0.1250	0.0659	0.1970	201.0000	0.06110	78.300
4/11	0.0050 U	0.0050 U	0.1240	0.0050 U	0.0050 U	14.20 J	0.0050 U	0.0050 U	0.0123	0.5000 U	0.00500 U	9.111
9/11	0.0050 U	0.0050 U	0.4140	0.0050 U	0.0050 U	21.20	0.0057	0.0103	0.0292	5.7000	0.01530	10.700
3/12	0.0050 U	0.0050 U	0.1160	0.0050 U	0.0050 U	16.10	0.0102	0.0052	0.0270	9.0000	0.00500 U	9.780
9/12	0.0050 U	0.0050 U	0.1570	0.0050 U	0.0050 U	21.10	0.0174	0.0067	0.0283	12.6000	0.00502	11.200
4/13	0.0050 U	0.0050 U	0.0878	0.0050 U	0.0050 U	17.20	0.0081	0.0050 U	0.0254	5.5000	0.00500 U	8.420
9/13	0.0050 U	0.0050 U	0.4480	0.0050 U	0.0050 U	23.30	0.0677	0.0308	0.1080	55.7000	0.01810	26.400
3/14	0.0050 U	0.0050 U	0.1040	0.0050 U	0.0050 U	18.30	0.0050 U	0.0050 U	0.0139	4.3100	0.00500 U	9.060
9/14	0.0050 U	0.0050 U	0.6820	0.0050 U	0.0050 U	50.60	0.0251	0.0139	0.0313	22.1000	0.01850	30.600
3/15	0.0020 U	0.0020 U	0.0640	0.0020 U	0.0040 U	15.00	0.0036 J	0.0100 U	0.0051 J	2.0000	0.00200 U	7.100
9/15	0.0010 U	0.0010 U	0.0710	0.0010 U	0.0005 U	16.00	0.0050 U	0.0050 U	0.0050 U	1.2000	0.00100 U	6.900
3/16	0.0050 U	0.0050 U	0.0526	0.0050 U	0.0050 U	14.90	0.0050 U	0.0050 U	0.0050 U	0.3290	0.00500 U	7.400
9/16	0.0020 U	0.0020 U	0.0688	0.0020 U	0.0020 U	15.90	0.0020 U	0.0020 U	0.0020 U	0.4230	0.00200 U	6.840
3/17	0.0050 U	0.0050 U	0.0784	0.0050 U	0.0050 U	18.30	0.0050 U	0.0050 U	0.0050 U	1.0900	0.00500 U	7.800
9/17	0.0050 U	0.0050 U	0.0822	0.0050 U	0.0050 U	17.60	0.0050 U	0.0050 U	0.0096	1.2400	0.00500 U	7.300
4/18	0.0050 U	0.0050 U	0.0652	0.0050 U	0.0050 U	15.00	0.0050 U	0.0050 U	0.0070	0.6450	0.00500 U	6.420
9/18	0.0050 U	0.0050 U	0.0328	0.0050 U	0.0050 U	7.43	0.0050 U	0.0050 U	0.0159	1.9300	0.00500 U	3.610
4/19	0.0010 U	0.0010 U	0.0373	0.0010 U	0.0010 U	12.20	0.0011	0.0021	0.0034	0.9170	0.00100 U	5.670
8/19	0.0010 U	0.0010 U	0.0210	0.0010 U	0.0010 U	4.36	0.0021	0.0010 U	0.0076	0.5490	0.00100 U	2.310
3/20	0.0010 U	0.0010 U	0.0988	0.0010 U	0.0010 U	8.12	0.0242	0.0062	0.0278	11.2000	0.00529	7.570

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-10 - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.0269	0.0010 U	0.0010 U	3.78	0.0046	0.0011	0.0091	1.7100	0.00100 U	2.320
3/21	0.0010 U	0.0010 U	0.0419	0.0010 U	0.0010 U	6.26	0.0045	0.0019	0.0203	3.4600	0.00255	4.430

Gude Landfill
Monitoring Location MW-10 - Total Metals

Printed 6/22/21

	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			
8/10	--	0.000200 U	0.0086	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.01800	0.02800
9/10	3.59000	0.000200 U	0.1110	43.500	0.00850	0.0050 U	12.40	0.0050 U	--	0.18900	0.33700
4/11	0.04400	0.000200 U	0.0050 U	1.260	0.00500 U	0.0050 U	10.10	0.0050 U	--	0.00500 U	0.13200
9/11	0.38000	0.000200 U	--	2.120	0.00500 U	0.0050 U	8.30	0.0050 U	--	0.00943	0.05750
3/12	0.15800	0.000200 U	0.0050 U	2.780	0.00500 U	0.0050 U	8.54	0.0050 U	--	0.02420	0.03350
9/12	0.21200	0.000200 U	0.0064	3.270	0.00500 U	0.0050 U	9.10	0.0050 U	--	0.03190	0.04440
4/13	0.09830	0.000200 U	0.0050	2.290	0.00500 U	0.0050 U	12.40	0.0050 U	--	0.01430	0.02720
9/13	0.93100	0.000200 U	0.0066	11.300	0.00500 U	0.0050 U	9.52	0.0050 U	--	0.12400	0.19000
3/14	0.06920	0.000200 U	0.0074	1.810	0.00500 U	0.0050 U	9.11	0.0050 U	--	0.01070	0.06060
9/14	0.58000	0.000200 U	0.0254	6.430	0.00500 U	0.0050 U	90.20	0.0050 U	--	0.02730	0.08980
3/15	0.03600	0.000200 U	0.0062 J	1.300	0.03500 U	0.0100 U	8.80	0.0020 U	--	0.00550 J	0.03500
9/15	0.00980 J	0.000200 U	0.0100 U	1.300	0.00500 U	0.0010 U	8.80	0.0010 U	--	0.00500 U	0.00730
3/16	0.01490	0.000200 U	0.0050 U	1.020	0.00500 U	0.0050 U	9.87	0.0050 U	--	0.00500 U	0.01490
9/16	0.02050	0.000200 U	0.0039	1.090	0.00200 U	0.0020 U	8.57	0.0010 U	--	0.00291	0.00946
3/17	0.02380	0.000200 U	0.0054	1.300	0.00500 U	0.0050 U	9.18	0.0050 U	--	0.00500 U	0.01070
9/17	0.03920	0.000200 U	0.0050 U	1.190	0.00500 U	0.0050 U	8.97	0.0050 U	--	0.00500 U	0.03310
4/18	0.02380	0.000200 U	0.0050 U	1.030	0.00500 U	0.0050 U	8.91	0.0050 U	--	0.00500 U	0.04210
9/18	0.04360	0.000200 U	0.0050 U	2.390	0.00500 U	0.0050 U	7.38	0.0050 U	--	0.00500 U	0.04510
4/19	0.22100	0.000100 U	0.0034	1.430	0.00100 U	0.0010 U	8.12	0.0010 U	--	0.00203	0.16500
8/19	0.03280	0.000100 U	0.0036 B	1.330	0.00100 U	0.0010 U	5.14	0.0010 U	--	0.00370	0.04560
3/20	0.18700	0.000100 U	0.0168	2.980	0.00117	0.0010 U	6.59	0.0010 U	--	0.02800	0.07830

Gude Landfill
Monitoring Location MW-10 - Total Metals

Printed 6/22/21

	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)
8/20	0.06020	0.000100 U	0.0044	2.630	0.00100 U	0.0010 U	2.80	0.0010 U	--	0.00845	0.02450
3/21	0.05560	0.000100 U	0.0010 U	1.270	0.00100 U	0.0010 U	4.74	0.0010 U	--	0.00933	0.03480

Gude Landfill

Printed 6/22/21

Monitoring Location MW-10 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-10 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-10 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	24.00	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-10 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-10 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
8/10	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	5.20	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
4/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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	1.99	1.00 U
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-10 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-10 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-10 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-11A - General Parameters

Printed 6/22/21

	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				
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	50.0	0.20 U	10.0 U	4.2200	--	--	90.0	1.4774	1.49	0.01 J	--	--	--	--
4/11	27.0	0.20 U	10.0 U	10.9000 J	--	--	36.0	1.1000	1.15	0.05 U	--	--	--	--
9/11	40.0	0.20 U	10.0 U	4.5200	--	--	54.0	1.9400	1.99	0.05 U	--	--	--	--
3/12	33.0	0.20 U	10.0 U	4.1700	--	--	52.0	1.2900	1.34	0.05 U	--	--	--	--
9/12	37.0	0.20 U	10.0 U	5.1000	--	--	80.0	2.2500	2.30	0.05 U	--	--	--	--
4/13	29.0	0.20 U	10.0 U	4.9900	--	5.55	46.0	1.8700	1.88	0.05 U	472.0	5.78	--	111.2
9/13	33.0	0.20 U	10.0 U	5.1400	--	4.17	60.0	2.5700	2.58	0.05 U	437.0	5.72	--	111.7
3/14	16.2	0.20 U	10.0 U	4.2100	--	8.06	200.0	1.0900	--	--	489.0	5.54	--	76.9
9/14	31.0	0.20 U	10.0 U	4.9700	--	6.29	58.0	2.3400	2.35	0.05 U	409.0	5.76	--	101.0
3/15	23.0	0.20 U	10.0 U	4.8700	--	7.67	44.0	1.2200	1.27	0.05 U	306.0	5.70	--	57.4
9/15	37.0	0.20 U	10.0 U	7.0200	--	--	54.0	3.5700	3.58	0.05 U	360.0	5.53	--	125.8
3/16	25.0	0.20 U	10.0 U	6.5600	--	5.86	88.0	1.9900	2.04	0.05 U	399.0	5.80	--	97.4
9/16	33.0	0.20 U	10.0 U	7.7100	--	3.64	84.0	3.4100	3.42	0.05 U	426.0	5.51	--	119.1
3/17	35.0	0.20 U	10.0 U	7.9800	--	--	70.0	3.3000	3.31	0.05 U	452.0	5.39	--	111.9
9/17	30.0	0.20 U	10.0 U	7.1500	--	5.37	52.0	3.2900	3.30	0.05 U	446.0	5.65	--	117.5
4/18	22.7	0.20 U	10.0 U	6.7100	--	--	44.4	2.2500	2.26	0.05 U	280.0	5.68	--	63.0
9/18	16.1	0.20 U	10.0 U	4.8500	--	--	32.2	1.5700	1.58	0.05 U	271.0	5.39	--	76.8

Gude Landfill
Monitoring Location MW-11A - General Parameters

Printed 6/22/21

	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)
4/19	18.3	0.10 U	11.0	6.2000	--	3.63	28.7	1.2000	--	--	155.7	6.27	5.91	257.1
8/19	22.6	0.10 U	10.2	23.9000	--	6.86	42.0	5.1000	--	--	239.3	5.23	5.84	0.1
3/20	19.0	0.31	3.0 U	20.3000	--	6.14	63.5	1.4400	--	--	201.9	5.29	5.80	157.3
8/20	13.9	0.10 U	3.0 U	25.9000	--	6.29	71.6	2.5300	--	--	205.1	5.44	5.45	159.1
3/21	30.0	0.10 U	3.0 U	14.2000	--	5.38	43.8	1.3400	--	--	215.3	5.49	5.78	93.9

Gude Landfill

Printed 6/22/21

Monitoring Location MW-11A - 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								
8/10	--	--	0.0 U	--	--	--	--	--
9/10	--	7.07	--	--	108.0	--	4880.000	--
4/11	--	6.28	--	--	72.0	--	1600.000	--
9/11	--	5.94	--	--	96.0	--	--	--
3/12	--	5.83	--	--	64.0	--	--	--
9/12	--	5.76	--	--	108.0	--	--	--
4/13	--	6.22	--	14.3	176.0	--	--	766.00
9/13	--	5.93	--	14.2	116.0	--	--	1272.00
3/14	--	6.78	--	11.8	87.0	--	--	607.00
9/14	--	6.37	--	14.8	78.0	--	--	630.00
3/15	--	6.75	--	7.8	50.0	--	--	46.00
9/15	--	5.37	--	22.8	10.0	--	--	86.30
3/16	--	5.79	--	22.4	86.0	--	--	17.50
9/16	--	5.35	--	23.1	118.0	--	--	39.90
3/17	--	4.90	--	19.5	124.0	--	--	47.90
9/17	--	6.52	--	19.2	91.0	--	--	34.50
4/18	--	6.48	--	9.5	90.0	--	--	21.00
9/18	--	6.48	--	16.2	59.0	--	--	63.70

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Monitoring Location MW-11A - 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)
4/19	78.5	6.90	--	13.4	68.0	187.0	16.200	5.90
8/19	135.0	2.40	--	17.0	111.0	14.0	24.900	32.00
3/20	129.0	5.50	--	16.9	114.0	229.0	169.000	78.40
8/20	175.0	6.30	--	17.0	133.0	347.0	196.000	22.10
3/21	103.0	6.00	--	15.9	77.5	904.0	102.000	216.00

Gude Landfill
Monitoring Location MW-11A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01 U	0.7	0.005 U	0.01 U	4.3	0.005 U	0.01 U	0.005
9/11	0.02	--	--	--	--	--	--	--
3/12	0.03	0.8	0.005 U	0.01 U	5.2	0.005 U	0.01 U	0.009
9/12	0.05	0.9	0.005 U	0.01 U	5.9	0.005 U	0.01 U	0.005
4/13	0.03	0.9	0.005 U	0.01 U	8.9	0.005 U	0.01 U	0.005 U
9/13	0.05	1.0	0.005 U	0.01 U	6.3	0.005 U	0.01 U	0.007
3/14	0.01 U	0.6	0.005 U	0.01 U	4.8	0.005 U	0.01 U	0.007
9/14	0.01 U	0.7	0.005 U	0.01 U	4.8	0.005 U	0.01 U	0.005
3/15	0.01 U	0.5	0.035 U	0.01 U	3.1	0.002 U	0.01 U	0.010 U
9/15	0.01 U	0.8	0.005 U	0.00 U	5.4	0.001 U	0.01 U	0.005 U
3/16	0.00 U	0.5	0.002 U	0.00 U	3.4	0.001 U	0.00 U	0.002 U
9/16	0.00	0.6	0.002 U	0.00 U	5.0	0.001 U	0.00 U	0.002
3/17	0.00	0.6	0.002 U	0.00 U	4.9	0.001 U	0.00 U	0.003
9/17	0.00	0.7	0.002 U	0.00 U	4.9	0.001 U	0.00 U	0.007
4/18	0.00	0.6	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.006
9/18	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 6/22/21

	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	
8/10	0.0010 U	0.0011	0.0900	0.0010 U	0.0010 U	--	0.0210	0.0086	0.0190	--	0.00490	--
9/10	0.0050 U	0.0050 U	0.7490	0.0050 U	0.0050 U	23.40	0.1440	0.0695	0.0825	149.0000	0.04990	66.600
4/11	0.0050 U	0.0050 U	0.2740	0.0050 U	0.0050 U	14.80	0.0273	0.0181	0.0260	12.1000	0.01560	11.200
9/11	0.0050 U	0.0050 U	0.1480	0.0050 U	0.0050 U	15.10	0.0096	0.0103	0.0135	7.5400	0.01220	8.630
3/12	0.0050 U	0.0050 U	0.1380	0.0050 U	0.0050 U	11.40	0.0354	0.0140	0.0452	22.5600	0.00689	11.700
9/12	0.0050 U	0.0050 U	0.1830	0.0050 U	0.0050 U	15.80	0.0514	0.0213	0.0409	30.8000	0.01360	13.900
4/13	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	12.50	0.0320	0.0119	0.0321	18.4000	0.00611	9.740
9/13	0.0050 U	0.0050 U	0.1850	0.0050 U	0.0050 U	17.30	0.0518	0.0212	0.0460	30.7000	0.01170	16.400
3/14	0.0050 U	0.0050 U	0.1580	0.0050 U	0.0050 U	10.90	0.0384	0.0155	0.0413	27.8000	0.00791	12.700
9/14	0.0050 U	0.0050 U	0.0830	0.0050 U	0.0050 U	12.90	0.0143	0.0055	0.0156	9.8400	0.00500 U	7.800
3/15	0.0020 U	0.0020 U	0.0320	0.0020 U	0.0040 U	7.70	0.0095 J	0.0100 U	0.0051 J	4.7000	0.00150 J	3.600
9/15	0.0010 U	0.0010 U	0.0470	0.0010 U	0.0005 U	13.00	0.0050 U	0.0050 U	0.0050 U	3.0000	0.00100 U	5.700
3/16	0.0050 U	0.0050 U	0.0396	0.0050 U	0.0050 U	11.00	0.0050 U	0.0050 U	0.0050 U	1.4500	0.00500 U	5.240
9/16	0.0020 U	0.0020 U	0.0399	0.0020 U	0.0020 U	12.50	0.0025	0.0020 U	0.0027	0.8400	0.00200 U	4.950
3/17	0.0050 U	0.0050 U	0.0553	0.0050 U	0.0050 U	14.90	0.0050 U	0.0050 U	0.0050 U	2.6100	0.00500 U	6.350
9/17	0.0050 U	0.0050 U	0.0390	0.0050 U	0.0050 U	13.20	0.0050 U	0.0050 U	0.0079	0.7350	0.00500 U	4.760
4/18	0.0050 U	0.0050 U	0.0366	0.0050 U	0.0050 U	11.00	0.0050 U	0.0050 U	0.0082	0.6980	0.00500 U	4.100
9/18	0.0050 U	0.0050 U	0.0236	0.0050 U	0.0050 U	7.89	0.0050 U	0.0050 U	0.0050 U	0.9320	0.00500 U	3.050
4/19	0.0010 U	0.0010 U	0.0236	0.0010 U	0.0010 U	6.29	0.0035	0.0010 U	0.0023	0.8410	0.00100 U	3.160
8/19	0.0010 U	0.0010 U	0.0364	0.0010 U	0.0010 U	9.06	0.0054	0.0010 U	0.0021 B	1.7500	0.00110	4.700
3/20	0.0010 U	0.0010 U	0.1100	0.0010 U	0.0010 U	8.40	0.0360	0.0121	0.0156	17.4000	0.00639	10.300

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-11A - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.0929	0.0010 U	0.0010 U	13.30	0.0223	0.0052	0.0098	9.0000	0.00350	9.330
3/21	0.0010 U	0.0010 U	0.0622	0.0010 U	0.0010 U	8.71	0.0171	0.0042	0.0081	5.1200	0.00237	5.360

Gude Landfill
Monitoring Location MW-11A - Total Metals

Printed 6/22/21

	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			
8/10	--	0.000200 U	0.0210	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.02300	0.05000
9/10	3.47000	0.000200 U	0.1450	27.700	0.00560	0.0050 U	8.49	0.0050 U	--	0.12400	0.33400
4/11	0.73800	0.000200 U	0.0277	1.870	0.00500 U	0.0050 U	4.21	0.0050 U	--	0.00930	0.09380
9/11	0.31900	0.000200 U	--	1.300	0.00500 U	0.0050 U	5.15	0.0050 U	--	0.00545	0.04930
3/12	0.45100	0.000200 U	0.0050 U	4.850	0.00500 U	0.0050 U	4.66	0.0050 U	--	0.04250	0.07880
9/12	0.69300	0.000200 U	0.0061	4.820	0.00500 U	0.0050 U	4.57	0.0050 U	--	0.05700	0.10900
4/13	0.32600	0.000200 U	0.0050 U	3.640	0.00500 U	0.0050 U	8.24	0.0050 U	--	0.03280	0.06900
9/13	0.63300	0.000200 U	0.0050 U	6.810	0.00500 U	0.0050 U	5.31	0.0050 U	--	0.05550	0.12400
3/14	0.46400	0.000200 U	0.0360	5.260	0.00500 U	0.0050 U	3.89	0.0050 U	--	0.04240	0.09250
9/14	0.16900	0.000200 U	0.0134	2.340	0.00500 U	0.0050 U	4.70	0.0050 U	--	0.01710	0.03400
3/15	0.05700	0.000200 U	0.0099 J	1.100	0.03500 U	0.0100 U	3.70	0.0020 U	--	0.00910 J	0.01100
9/15	0.00680 J	0.000200 U	0.0100 U	1.200	0.00500 U	0.0010 U	5.30	0.0010 U	--	0.00520	0.01100
3/16	0.03640	0.000200 U	0.0050 U	0.975	0.00500 U	0.0050 U	5.38	0.0050 U	--	0.00500 U	0.00945
9/16	0.02360	0.000200 U	0.0040	0.802	0.00200 U	0.0020 U	5.01	0.0010 U	--	0.00231	0.00763
3/17	0.05000	0.000200 U	0.0067	1.280	0.00500 U	0.0050 U	5.75	0.0050 U	--	0.00500 U	0.01540
9/17	0.01720	0.000200 U	0.0050 U	0.960	0.00500 U	0.0050 U	5.03	0.0050 U	--	0.00500 U	0.03270
4/18	0.02880	0.000200 U	0.0050 U	0.706	0.00500 U	0.0050 U	4.60	0.0050 U	--	0.00500 U	0.04000
9/18	0.01570	0.000200 U	0.0050 U	0.675	0.00500 U	0.0050 U	3.98	0.0050 U	--	0.00500 U	0.00765
4/19	0.01930	0.000100 U	0.0032	0.635	0.00100 U	0.0010 U	3.85	0.0010 U	--	0.00219	0.01210
8/19	0.02710	0.000100 U	0.0041	0.789	0.00100 U	0.0010 U	4.66	0.0010 U	--	0.00388	0.01050 B
3/20	0.32900	0.000100 U	0.0295	3.340	0.00177	0.0010 U	4.10	0.0010 U	--	0.02970	0.06630

Gude Landfill
Monitoring Location MW-11A - Total Metals

Printed 6/22/21

	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)
8/20	0.15200	0.000100 U	0.0234	2.160	0.00138	0.0010 U	6.39	0.0010 U	--	0.01870	0.03650
3/21	0.12500	0.000100 U	0.0210	1.290	0.00100 U	0.0010 U	3.53	0.0010 U	--	0.00871	0.02800

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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
9/13	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
3/14	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
9/14	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	1.00 U	1.00 U	4.64
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
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	1.00 U	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-11A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.86	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-11A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-11A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
8/10	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
4/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	17.80	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location MW-11A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.01	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.37	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-11A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-11B - General Parameters

Printed 6/22/21

	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				
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	100.0	0.20 U	10.0 U	4.1800	--	--	94.0	2.3070	2.31	0.05 U	--	--	--	--
4/11	69.0	0.20 U	10.0 U	4.7900	--	--	66.0	2.3300	2.34	0.05 U	--	--	--	--
9/11	65.0	0.20 U	10.0 U	4.3800	--	--	58.0	2.1900	2.20	0.05 U	--	--	--	--
3/12	68.0	0.20 U	10.0 U	4.9000	--	--	62.0	2.5600	2.57	0.05 U	--	--	--	--
9/12	61.0	0.20 U	10.0 U	5.0600	--	--	62.0	2.3700	2.42	0.05 U	--	--	--	--
4/13	67.0	0.20 U	10.0 U	5.3500	--	3.64	64.0	2.6400	2.65	0.05 U	400.0	6.51	--	190.4
9/13	62.0	0.20 U	10.0 U	6.5700	--	3.44	62.0	2.3800	2.39	0.05 U	397.0	6.46	--	144.9
3/14	68.0	0.20 U	10.0 U	6.1400	--	3.61	72.0	2.7400	--	--	473.0	6.19	--	160.0
9/14	73.0	0.20 U	10.0 U	6.3800	--	3.63	86.0	2.8200	2.83	0.05 U	379.0	6.56	--	171.5
3/15	72.0	0.20 U	10.0 U	6.7700	--	3.72	86.0	3.0200	3.03	0.05 U	371.0	6.77	--	74.1
9/15	68.0	0.20 U	10.0 U	7.0700	--	3.63	72.0	3.0000	3.01	0.05 U	321.0	6.27	--	170.2
3/16	68.0	0.20 U	10.0 U	9.6400	--	0.00	108.0	2.9300	2.98	0.05 U	324.0	6.27	--	162.1
9/16	67.0	0.20 U	10.0 U	9.6800	--	3.42	82.0	2.4500	2.46	0.05 U	349.0	6.05	--	163.5
3/17	67.0	0.20 U	10.0 U	9.5100	--	--	80.0	2.8800	2.89	0.05 U	378.0	6.21	--	169.1
9/17	64.0	0.20 U	10.0 U	23.9000	--	--	82.0	2.1900	2.20	0.05 U	357.0	6.32	--	190.1
4/18	69.0	0.20 U	10.0 U	10.9000	--	--	88.7	3.2000	3.21	0.05 U	184.0	6.33	--	174.2
9/18	62.1	0.20 U	10.0 U	14.2000	--	--	83.9	2.9200	2.93	0.05 U	225.0	6.20	--	182.4

Gude Landfill
Monitoring Location MW-11B - General Parameters

Printed 6/22/21

	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)
4/19	72.4	0.10 U	12.0	13.1000	--	8.58	79.8	3.9000	--	--	224.7	5.63	6.50	89.4
8/19	68.1	0.10 U	3.0 U	17.3000	--	3.75	78.0	3.6000	--	--	184.1	5.97	6.56	0.2
3/20	68.6	0.10 U	3.0 U	17.3000	--	3.90	87.3	3.5500	--	--	165.2	6.01	6.32	272.1
8/20	40.9	0.10 U	15.6	19.3000	--	5.26	80.0	3.0000	--	--	148.6	6.71	6.36	207.6
3/21	74.0	0.10 U	3.0 U	18.7000	--	3.39	83.1	3.4300	--	--	165.7	6.21	6.40	199.8

Gude Landfill

Monitoring Location MW-11B - 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								
8/10	--	--	0.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	156.0	--	72.400	--
4/11	--	4.00 U	--	--	132.0	--	4.990	--
9/11	--	4.00 U	--	--	116.0	--	--	--
3/12	--	4.00 U	--	--	132.0	--	--	--
9/12	--	4.00 U	--	--	136.0	--	--	--
4/13	--	4.00 U	--	13.4	232.0	--	--	51.50
9/13	--	4.00 U	--	13.5	134.0	--	--	15.80
3/14	--	4.00 U	--	13.1	156.0	--	--	40.50
9/14	--	4.00 U	--	14.8	108.0	--	--	7.40
3/15	--	4.00 U	--	11.7	106.0	--	--	34.20
9/15	--	4.00 U	--	19.5	43.0	--	--	36.90
3/16	--	4.00 U	--	16.2	143.0	--	--	24.60
9/16	--	4.00 U	--	16.9	128.0	--	--	29.60
3/17	--	4.00 U	--	17.9	171.0	--	--	185.90
9/17	--	4.00 U	--	19.2	121.0	--	--	89.40
4/18	--	4.00 U	--	13.0	160.0	--	--	10.90
9/18	--	4.00 U	--	15.1	133.0	--	--	21.10

Gude Landfill

Printed 6/22/21

Monitoring Location MW-11B - 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)
4/19	211.0	4.20	--	14.3	159.0	18.4	2.980	38.50
8/19	212.0	3.40	--	14.9	156.0	3.7	1.540	0.00
3/20	220.0	3.99	--	14.2	155.0	13.8	4.470	4.20
8/20	229.0	2.89	--	15.9	158.0	7.4	3.510	2.30
3/21	231.0	4.50	--	13.8	203.0	389.0	18.600	23.70

Gude Landfill
Monitoring Location MW-11B - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01 U	0.9	0.005 U	0.01 U	9.8	0.005 U	0.01 U	0.005 U
9/11	0.01 U	--	--	--	--	--	--	--
3/12	0.01 U	0.9	0.005 U	0.01 U	10.2	0.005 U	0.01 U	0.005 U
9/12	0.01 U	1.0	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.005 U
4/13	0.01	0.9	0.005 U	0.01 U	12.5	0.005 U	0.01 U	0.005 U
9/13	0.01 U	1.0	0.005 U	0.01 U	9.1	0.005 U	0.01 U	0.005 U
3/14	0.01 U	1.0	0.005 U	0.01 U	11.9	0.005 U	0.01 U	0.005 U
9/14	0.01 U	0.8	0.005 U	0.01 U	9.2	0.005 U	0.01 U	0.005 U
3/15	0.01 U	0.9	0.035 U	0.01 U	9.9	0.002 U	0.01 U	0.010 U
9/15	0.01 U	3.8	0.005 U	0.00 U	22.0	0.001 U	0.00 J	0.005 U
3/16	0.00 U	0.7	0.002 U	0.00 U	8.1	0.001 U	0.00	0.002 U
9/16	0.00 U	0.8	0.002 U	0.00 U	8.6	0.001 U	0.00	0.002 U
3/17	0.00 U	0.8	0.002 U	0.00 U	8.8	0.001 U	0.00	0.002 U
9/17	0.00 U	0.8	0.002 U	0.00 U	9.2	0.001 U	0.00	0.002 U
4/18	0.00 U	0.8	0.002 U	0.00 U	9.1	0.001 U	0.00	0.002 U
9/18	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 6/22/21

	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	
8/10	0.0010 U	0.0006 J	0.0240	0.0010 U	0.0010 U	--	0.0029	0.0009 J	0.0022	--	0.00100 U	--
9/10	0.0050 U	0.0050 U	0.0744	0.0050 U	0.0050 U	34.40	0.0082	0.0050	0.0131	6.9700	0.00500 U	8.360
4/11	0.0050 U	0.0050 U	0.0194	0.0050 U	0.0050 U	15.40	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U	6.630
9/11	0.0050 U	0.0050 U	0.0188	0.0050 U	0.0050 U	14.90	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U	6.300
3/12	0.0050 U	0.0050 U	0.0252	0.0050 U	0.0050 U	14.30	0.0050 U	0.0050 U	0.0074	1.3700	0.00500 U	7.720
9/12	0.0050 U	0.0050 U	0.0210	0.0050 U	0.0050 U	15.90	0.0050 U	0.0050 U	0.0050 U	0.5670	0.00500 U	6.620
4/13	0.0050 U	0.0050 U	0.0348	0.0050 U	0.0050 U	18.00	0.0150	0.0050 U	0.0159	3.3400	0.00500 U	9.260
9/13	0.0050 U	0.0050 U	0.0261	0.0050 U	0.0050 U	16.90	0.0050 U	0.0050 U	0.0055	0.9480	0.00500 U	8.180
3/14	0.0050 U	0.0050 U	0.0348	0.0050 U	0.0050 U	17.50	0.0052	0.0050 U	0.0070	2.7300	0.00500 U	9.360
9/14	0.0050 U	0.0050 U	0.0256	0.0050 U	0.0050 U	17.60	0.0050 U	0.0050 U	0.0050 U	0.7050	0.00500 U	8.630
3/15	0.0020 U	0.0020 U	0.0210	0.0020 U	0.0040 U	16.00	0.0100 U	0.0100 U	0.0021 J	1.8000	0.00200 U	8.800
9/15	0.0010 U	0.0010 U	0.0210	0.0010 U	0.0005 U	16.00	0.0050 U	0.0050 U	0.0050 U	1.6000	0.00100 U	8.000
3/16	0.0050 U	0.0050 U	0.0246	0.0050 U	0.0050 U	18.60	0.0050 U	0.0050 U	0.0050 U	0.4490	0.00500 U	10.200
9/16	0.0020 U	0.0020 U	0.0182	0.0020 U	0.0020 U	14.90	0.0020 U	0.0020 U	0.0022	0.2550	0.00200 U	7.550
3/17	0.0050 U	0.0050 U	0.0373	0.0050 U	0.0050 U	19.20	0.0050 U	0.0050 U	0.0059	3.1900	0.00500 U	10.300
9/17	0.0050 U	0.0050 U	0.0306	0.0050 U	0.0050 U	18.90	0.0050 U	0.0050 U	0.0058	1.9800	0.00500 U	9.610
4/18	0.0050 U	0.0050 U	0.0329	0.0050 U	0.0050 U	19.20	0.0051	0.0050 U	0.0050 U	1.8900	0.00500 U	9.860
9/18	0.0050 U	0.0050 U	0.0212	0.0050 U	0.0050 U	18.20	0.0050 U	0.0050 U	0.0050 U	0.9320	0.00500 U	9.350
4/19	0.0010 U	0.0010 U	0.0190	0.0010 U	0.0010 U	15.60	0.0112	0.0010 U	0.0010 U	0.2560	0.00100 U	9.910
8/19	0.0010 U	0.0010 U	0.0185	0.0010 U	0.0010 U	15.40	0.0031	0.0010 U	0.0010 U	0.1000 U	0.00100 U	9.600
3/20	0.0010 U	0.0010 U	0.0211	0.0010 U	0.0010 U	17.00	0.0023	0.0010 U	0.0010 U	0.2680	0.00100 U	10.900

Gude Landfill
Monitoring Location MW-11B - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.0218	0.0010 U	0.0010 U	16.20	0.0027	0.0010 U	0.0010 U	0.1560	0.00100 U	9.600
3/21	0.0010 U	0.0010 U	0.0317	0.0010 U	0.0010 U	15.80	0.0090	0.0029	0.0041	3.3600	0.00100 U	10.600

Gude Landfill
Monitoring Location MW-11B - Total Metals

Printed 6/22/21

	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			
8/10	--	0.000200 U	0.0021	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00730	0.01200
9/10	0.16700	0.000200 U	0.0090	2.500	0.00500 U	0.0050 U	12.60	0.0050 U	--	0.02290	0.02090
4/11	0.01200	0.000200 U	0.0050 U	0.888	0.00500 U	0.0050 U	9.10	0.0050 U	--	0.00500 U	0.00500 U
9/11	0.01070	0.000200 U	--	0.930	0.00500 U	0.0050 U	8.49	0.0050 U	--	0.00500 U	0.00500 U
3/12	0.03450	0.000200 U	0.0050 U	1.120	0.00500 U	0.0050 U	9.38	0.0050 U	--	0.00615	0.01060
9/12	0.01780	0.000200 U	0.0050 U	0.941	0.00500 U	0.0050 U	8.14	0.0050 U	--	0.00500 U	0.00657
4/13	0.06280	0.000200 U	0.0050 U	1.840	0.00500 U	0.0050 U	13.50	0.0050 U	--	0.01120	0.01250
9/13	0.02100	0.000200 U	0.0050 U	1.170	0.00500 U	0.0050 U	9.42	0.0050 U	--	0.00580	0.00743
3/14	0.05160	0.000200 U	0.0054	1.460	0.00500 U	0.0050 U	9.70	0.0050 U	--	0.00880	0.01220
9/14	0.01420	0.000200 U	0.0050 U	0.946	0.00500 U	0.0050 U	9.22	0.0050 U	--	0.00500 U	0.00500 U
3/15	0.03100	0.000200 U	0.0110 U	1.100	0.03500 U	0.0100 U	9.60	0.0020 U	--	0.00700 J	0.00530 J
9/15	0.05700	0.000200 U	0.0100 U	1.100	0.00500 U	0.0010 U	9.00	0.0010 U	--	0.00620	0.00500 U
3/16	0.01010	0.000200 U	0.0050 U	1.060	0.00500 U	0.0050 U	11.00	0.0050 U	--	0.00500 U	0.00500 U
9/16	0.00570	0.000200 U	0.0020 U	0.800	0.00200 U	0.0020 U	8.61	0.0010 U	--	0.00394	0.01430
3/17	0.08180	0.000200 U	0.0059	1.420	0.00500 U	0.0050 U	9.68	0.0050 U	--	0.01080	0.01350
9/17	0.04230	0.000200 U	0.0050 U	1.090	0.00500 U	0.0050 U	9.32	0.0050 U	--	0.00654	0.02720
4/18	0.03740	0.000200 U	0.0050 U	1.180	0.00500 U	0.0050 U	9.28	0.0050 U	--	0.00901	0.03190
9/18	0.01980	0.000200 U	0.0050 U	1.050	0.00500 U	0.0050 U	9.49	0.0050 U	--	0.00500 U	0.00500 U
4/19	0.00765	0.000100 U	0.0075	0.869	0.00100 U	0.0010 U	10.50	0.0010 U	--	0.00312	0.00400 U
8/19	0.00369	0.000100 U	0.0010 U	0.823	0.00100 U	0.0010 U	10.40	0.0010 U	--	0.00311	0.00444 B
3/20	0.00632	0.000100 U	0.0010 U	0.950	0.00100 U	0.0010 U	10.70	0.0010 U	--	0.00306	0.00400 U

Gude Landfill
Monitoring Location MW-11B - Total Metals

Printed 6/22/21

	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)
8/20	0.01110	0.000100 U	0.0012	0.998	0.00100 U	0.0010 U	10.50	0.0010 U	--	0.00339	0.00400 U
3/21	0.08110	0.000100 U	0.0059	1.450	0.00100 U	0.0010 U	9.31	0.0010 U	--	0.01060	0.01370

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5		80	80			5	100	
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	6.97	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	6.20 B	5.00 U	1.00 U	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 MW-11B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-11B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
8/10	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	2.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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	0.97 J	2.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	2.10	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
4/13	1.00 U	1.00 U	1.00 U	1.00 U	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	2.74	1.00 U
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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	2.42	1.00 U
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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	3.01	1.00 U
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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	3.05	1.00 U
9/15	1.00 U	1.00 U	1.15	1.00 U	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	3.33	1.00 U
3/16	1.00 U	1.00 U	1.44	1.00 U	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	4.58	1.00 U
9/16	1.00 U	1.00 U	1.40	1.00 U	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	3.24	1.00 U
3/17	1.00 U	1.00 U	1.55	1.00 U	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	4.54	1.00 U
9/17	1.00 U	1.00 U	1.26	1.00 U	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	1.88	1.00 U
4/18	1.00 U	1.00 U	1.40	1.00 U	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	4.92	1.00 U
9/18	1.00 U	1.00 U	1.31	1.00 U	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	3.34	1.00 U
4/19	1.00 U	1.00 U	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	1.00 U	4.90	1.00 U

Gude Landfill
Monitoring Location MW-11B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
8/19	1.10	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	1.00 U	1.00 U	1.00 U	6.60	1.00 U
3/20	1.00 U	1.00 U	4.10	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	1.00 U	6.30	1.00 U
8/20	1.00 U	1.00 U	5.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.10	1.00 U
3/21	1.00 U	1.00 U	4.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.50	1.00 U

Gude Landfill

Monitoring Location MW-11B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.17	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.43	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.13	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.65	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.08	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.51	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.27	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-11B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
8/19	1.00 U	1.00 U	1.00 U	2.90	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	2.70	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	1.00 U	3.90	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	3.50	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-12 - General Parameters

Printed 6/22/21

	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				
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	15.0	0.20 U	10.0 U	374.0000	--	--	360.0	5.0188	5.03	0.01 J	--	--	--	--
4/11	16.0	0.20 U	10.0 U	371.0000	--	--	356.0	4.3800	4.39	0.05 U	--	--	--	--
9/11	22.0	0.20 U	10.0 U	286.0000	--	--	280.0	4.8700	4.88	0.05 U	--	--	--	--
3/12	12.0	0.20 U	6.1	348.0000	--	--	276.0	4.4300	4.44	0.05 U	--	--	--	--
9/12	10.0	0.20 U	10.0 U	211.0000	--	--	188.0	4.9000	4.95	0.05 U	--	--	--	--
4/13	7.0	0.20 U	10.0 U	246.0000	--	5.77	196.0	4.4900	4.50	0.05 U	539.0	5.19	--	976.6
9/13	7.9	0.20 U	10.0 U	197.0000	--	5.53	170.0	5.0200	5.03	0.05 U	475.0	4.82	--	668.0
3/14	6.0	0.20 U	10.0 U	251.0000	--	6.40	206.0	4.3300	--	--	645.0	4.85	--	835.9
9/14	75.0	0.20 U	10.0 U	7.3000	--	2.98	88.0	0.2000 U	0.20 U	0.05 U	448.0	5.96	--	159.4
3/15	7.5	0.20 U	10.0 U	267.0000	--	6.85	204.0	3.9400	3.95	0.05 U	461.0	5.20	--	783.6
9/15	10.0	0.20 U	10.0 U	176.0000	--	6.02	136.0	4.8800	4.89	0.05 U	393.0	5.05	--	641.4
3/16	23.0	0.20 U	10.0 U	204.0000	--	7.03	140.0	3.8300	3.88	0.05 U	440.0	5.36	--	640.7
9/16	25.0	0.20 U	10.0 U	147.0000	--	--	136.0	4.8300	4.84	0.05 U	439.0	5.07	--	563.6
3/17	36.0	0.20 U	10.0 U	135.0000	--	4.49	140.0	4.9600	5.01	0.05 U	502.0	5.15	--	481.9
9/17	35.0	0.20 U	10.0 U	113.0000	--	--	110.0	5.4700	5.48	0.05 U	473.0	5.12	--	439.3
4/18	8.4	0.20 U	10.0 U	133.0000	--	--	104.0	4.7300	4.74	0.05 U	287.0	5.22	--	462.4
9/18	8.8	0.20 U	10.0 U	351.0000	--	--	292.0	4.4900	4.50	0.05 U	296.0	4.84	--	1132.0

Gude Landfill
Monitoring Location MW-12 - General Parameters

Printed 6/22/21

	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)
4/19	11.9	0.10 U	11.0	272.0000	--	6.36	163.0	4.0000	--	--	170.2	5.20	5.86	1120.0
8/19	30.5	0.10 U	15.1	111.0000	--	4.56	79.2	2.9000	--	--	227.5	5.03	5.60	0.4
3/20	13.1	0.10 U	11.3	149.0000	--	6.05	112.0	3.3800	--	--	228.1	5.00	5.53	798.0
8/20	12.7	0.10 U	15.3	4.7000	--	5.29	96.8	2.1900	--	--	305.1	5.41	5.30	472.1
4/21	19.1	0.10 U	3.6	104.0000	--	5.45	57.7	2.3200	--	--	242.7	5.30	5.67	420.5

Gude Landfill
Monitoring Location MW-12 - 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								
8/10	--	--	0.0 U	--	--	--	--	--
9/10	--	14.70	--	--	1520.0	--	3920.000	--
4/11	--	14.30 J	--	--	1184.0	--	57.400	--
9/11	--	15.50	--	--	1020.0	--	--	--
3/12	--	13.90	--	--	1012.0	--	--	--
9/12	--	15.70	--	--	720.0	--	--	--
4/13	--	15.00	--	16.3	600.0	--	--	84.30
9/13	--	17.30	--	18.1	646.0	--	--	160.00
3/14	--	18.20	--	14.8	624.0	--	--	50.10
9/14	--	8.23	--	14.2	134.0	--	--	358.30
3/15	--	18.80	--	12.2	620.0	--	--	94.30
9/15	--	20.70	--	23.8	337.0	--	--	6.90
3/16	--	20.40	--	19.4	426.0	--	--	26.30
9/16	--	20.40	--	28.4	443.0	--	--	5.20
3/17	--	18.80	--	13.8	333.0	--	--	8.30
9/17	--	19.30	--	20.5	265.0	--	--	5.80
4/18	--	18.50	--	10.4	393.0	--	--	10.90
9/18	--	15.40	--	20.3	745.0	--	--	7.10

Gude Landfill
Monitoring Location MW-12 - 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)
4/19	898.0	19.30	--	15.5	661.0	20.8	16.600	9.80
8/19	451.0	14.60	--	20.2	298.0	14.4	9.620	9.97
3/20	5.9	20.00	--	17.6	402.0	26.0	8.370	13.20
8/20	564.0	19.60	--	19.0	335.0	320.0	100.000	119.60
4/21	457.0	27.30	--	16.9	265.0	201.0	14.200	14.71

Gude Landfill
Monitoring Location MW-12 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	0.002 U	0.002 U	0.430	0.002 U	0.004 U	48.0	0.01 U	0.01 U	0.004 J	0.0 U	0.002 U	24.0	0.036	0.0002 U
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01	4.1	0.005 U	0.01 U	98.2	0.005 U	0.01 U	0.027
9/11	0.01	--	--	--	--	--	--	--
3/12	0.02	3.8	0.005 U	0.01 U	91.8	0.005 U	0.01 U	0.024
9/12	0.03	3.6	0.005 U	0.01 U	62.1	0.005 U	0.01 U	0.018
4/13	0.01	3.7	0.005 U	0.01 U	79.8	0.005 U	0.01 U	0.020
9/13	0.01	3.2	0.005 U	0.01 U	57.0	0.005 U	0.01 U	0.018
3/14	0.01	3.2	0.005 U	0.01 U	85.4	0.005 U	0.01 U	0.029
9/14	0.01 U	1.1	0.005 U	0.01 U	9.0	0.005 U	0.01 U	0.010
3/15	0.01 J	3.3	0.035 U	0.01 U	91.0	0.002 U	0.01 U	0.023
9/15	0.00 J	2.8	0.005 U	0.00 U	65.0	0.001 U	0.01 U	0.011
3/16	0.00	2.1	0.002 U	0.00 U	71.8	0.001 U	0.00 U	0.014
9/16	0.00	2.5	0.002 U	0.00 U	61.4	0.001 U	0.00	0.015
3/17	0.00	2.2	0.002 U	0.00 U	51.1	0.001 U	0.00	0.014
9/17	0.00	2.0	0.002 U	0.00 U	41.8	0.001 U	0.00 U	0.013
4/18	0.00	2.2	0.002 U	0.00 U	49.7	0.001 U	0.00 U	0.036
9/18	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 6/22/21

	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	
8/10	0.0010 U	0.0019	0.7600	0.0010 U	0.0006 J	--	0.0640	0.0190	0.0390	--	0.01600	--
9/10	0.0050 U	0.0050 U	1.3200	0.0050 U	0.0050 U	82.00	0.1000	0.0492	0.1090	100.0000	0.06160	69.500
4/11	0.0050 U	0.0050 U	0.7490	0.0050 U	0.0050 U	78.80	0.0050 U	0.0050 U	0.0111	2.5900	0.00500 U	43.100 J
9/11	0.0050 U	0.0050 U	0.6150	0.0050 U	0.0050 U	65.60	0.0050 U	0.0050 U	0.0063	1.2200	0.01060	29.100
3/12	0.0050 U	0.0050 U	0.6350	0.0050 U	0.0050 U	65.20	0.0181	0.0050 U	0.0168	4.0900	0.00500 U	32.700
9/12	0.0050 U	0.0050 U	0.4720	0.0050 U	0.0050 U	47.40	0.0261	0.0120	0.0339	17.0000	0.01680	23.000
4/13	0.0050 U	0.0050 U	0.4730	0.0050 U	0.0050 U	44.50	0.0050 U	0.0050 U	0.0159	1.2700	0.00500 U	21.100
9/13	0.0050 U	0.0050 U	0.3920	0.0050 U	0.0050 U	45.50	0.0115	0.0050 U	0.0167	7.1200	0.00655	21.600
3/14	0.0050 U	0.0050 U	0.4710	0.0050 U	0.0050 U	46.40	0.0050 U	0.0050 U	0.0079	1.1700	0.00500 U	22.900
9/14	0.0050 U	0.0050 U	0.3540	0.0050 U	0.0050 U	19.70	0.0436	0.0213	0.0780	36.8000	0.01120	19.500
3/15	0.0020 U	0.0020 U	0.4400	0.0020 U	0.0040 U	47.00	0.0100	0.0100 U	0.0110	3.8000	0.00220	24.000
9/15	0.0010 U	0.0010 U	0.3100	0.0010 U	0.0005 U	32.00	0.0050 U	0.0050 U	0.0050 U	2.1000	0.00140	15.000
3/16	0.0050 U	0.0050 U	0.3540	0.0050 U	0.0050 U	32.80	0.0050 U	0.0050 U	0.0050 U	0.3670	0.00500 U	16.900
9/16	0.0020 U	0.0020 U	0.2690	0.0020 U	0.0020 U	28.70	0.0020	0.0020 U	0.0030	0.3740	0.00200 U	12.600
3/17	0.0020 U	0.0020 U	0.2550	0.0020 U	0.0020 U	26.50	0.0020 U	0.0020 U	0.0020 J	0.2000 U	0.00200 U	11.400
9/17	0.0050 U	0.0050 U	0.2290	0.0050 U	0.0050 U	25.70	0.0050 U	0.0050 U	0.0139	0.9840	0.00500 U	10.700
4/18	0.0050 U	0.0050 U	0.2450	0.0050 U	0.0050 U	25.00	0.0050 U	0.0050 U	0.0110	0.1680	0.00500 U	10.100
9/18	0.0050 U	0.0050 U	0.6050	0.0050 U	0.0050 U	61.60	0.0050 U	0.0050 U	0.0050 U	0.6960	0.00500 U	33.600
4/19	0.0010 U	0.0010 U	0.3130	0.0010 U	0.0010 U	33.00	0.0023	0.0014	0.0020	0.6750	0.00100 U	19.700
8/19	0.0010 U	0.0010 U	0.1500	0.0010 U	0.0010 U	16.70	0.0037	0.0010 U	0.0029 B	0.4490	0.00136	9.070
3/20	0.0010 U	0.0010 U	0.2310	0.0010 U	0.0010 U	22.50	0.0067	0.0010 U	0.0170	0.3520	0.00100 U	13.500

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-12 - Total Metals

Printed 6/22/21

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/20	0.0010 U	0.0010 U	0.2380	0.0010 U	0.0010 U	17.60	0.0146	0.0044	0.0124	5.8300	0.00432	12.800
4/21	0.0010 U	0.0010 U	0.1200	0.0010 U	0.0010 U	11.50	0.0083	0.0013	0.0041	1.3600	0.00100 U	7.040

Gude Landfill
Monitoring Location MW-12 - Total Metals

Printed 6/22/21

	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			
8/10	--	0.000200 U	0.0600	--	0.00050 J	0.0010 U	--	0.0010 U	0.0050 U	0.02800	0.11000
9/10	3.02000	0.000200 U	0.0938	23.100	0.00620	0.0050 U	81.50	0.0050 U	--	0.08500	0.26900
4/11	0.13800	0.000200 U	0.0113	5.140	0.00500 U	0.0050 U	104.00 J	0.0050 U	--	0.00500 U	0.03520
9/11	0.10300	0.000200 U	--	4.120	0.00500 U	0.0050 U	73.70	0.0050 U	--	0.00500 U	0.03060
3/12	0.15500	0.000200 U	0.0104	4.490	0.00500 U	0.0050 U	96.20	0.0050 U	--	0.00500 U	0.03900
9/12	0.53200	0.000200 U	0.0065	5.420	0.00500 U	0.0050 U	57.80	0.0050 U	--	0.02460	0.07540
4/13	0.08350	0.000200 U	0.0081	4.060	0.00500 U	0.0050 U	76.90	0.0050 U	--	0.00500 U	0.02380
9/13	0.17700	0.000200 U	0.0057	4.300	0.00500 U	0.0050 U	61.40	0.0050 U	--	0.00879	0.04430
3/14	0.06580	0.000200 U	0.0079	3.270	0.00500 U	0.0050 U	88.40	0.0050 U	--	0.00500 U	0.02410
9/14	0.59600	0.000200 U	0.0388	8.020	0.00500 U	0.0050 U	8.05	0.0050 U	--	0.08930	0.13200
3/15	0.11000	0.000200 U	0.0140	4.100	0.03500 U	0.0100 U	88.00	0.0020 U	--	0.01000 U	0.04100
9/15	0.02200	0.000200 U	0.0100 U	3.200	0.00500 U	0.0010 U	64.00	0.0010 U	--	0.00500 U	0.02200
3/16	0.03910	0.000200 U	0.0050 U	2.600	0.00500 U	0.0050 U	83.50	0.0050 U	--	0.00500 U	0.02100
9/16	0.03980	0.000200 U	0.0041	2.390	0.00200 U	0.0020 U	54.00	0.0010 U	--	0.00232	0.01590
3/17	0.02560	0.000200 U	0.0034	2.160	0.00200 U	0.0020 U	50.80	0.0010 U	--	0.00250	0.01320
9/17	0.04580	0.000200 U	0.0050 U	2.230	0.00500 U	0.0050 U	44.60	0.0050 U	--	0.00500 U	0.03150
4/18	0.04690	0.000200 U	0.0050 U	2.120	0.00500 U	0.0050 U	48.70	0.0050 U	--	0.00500 U	0.06160
9/18	0.08910	0.000200 U	0.0090	3.580	0.00500 U	0.0050 U	99.30	0.0050 U	--	0.00500 U	0.03310
4/19	0.06320	0.000100 U	0.0052	2.550	0.00100 U	0.0010 U	119.00 B	0.0010 U	--	0.00100 U	0.03240
8/19	0.03590	0.000100 U	0.0028	1.760	0.00100 U	0.0010 U	51.30	0.0010 U	--	0.00100 U	0.01820 B
3/20	0.03360	0.000100 U	0.0052	2.280	0.00100 U	0.0010 U	71.60	0.0010 U	--	0.00100 U	0.01500 B

Gude Landfill
Monitoring Location MW-12 - Total Metals

Printed 6/22/21

	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)
8/20	0.17600	0.000100 U	0.0125	3.010	0.00127	0.0010 U	61.40	0.0010 U	--	0.00761	0.04060
4/21	0.04180	0.000100 U	0.0079	1.660	0.00100 U	0.0010 U	54.20	0.0010 U	--	0.00281	0.01680 B

Gude Landfill

Printed 6/22/21

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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-12 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	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	1.00 U	0.05 U	0.02 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

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	8.60	5.00 U	1.00 U	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 MW-12 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-12 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
8/10	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	4.10	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
4/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	5.10	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-12 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
8/19	2.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.10	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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	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	1.00 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 MW-12 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-12 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/21	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 MW-13A - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	50.0	0.20 U	34.6	84.3000	--	--	160.0	2.4800	2.53	0.05 U	--	--	--	--
4/11	224.0	0.20 U	10.0 U	83.5000	--	--	128.0	2.2900	2.30	0.05 U	--	--	--	--
9/11	34.0	0.20 U	10.0 U	85.1000	--	--	125.0	2.1700	2.22	0.05 U	--	--	--	--
3/12	227.0	0.20 U	10.1	86.1000	--	--	164.0	1.9700	2.02	0.05 U	--	--	--	--
9/12	32.0	0.20 U	10.0 U	90.7000	--	--	148.0	2.0800	2.13	0.05 U	--	--	--	--
3/13	34.0	0.20 U	17.2	88.2000	--	0.07	132.0	1.8800	1.89	0.05 U	482.0	5.32	--	406.3
9/13	32.0	0.20 U	10.0 U	87.9000	--	0.07	136.0	1.6700	1.72	0.05 U	440.0	5.12	--	290.5
3/14	34.0	0.20 U	10.9	86.8000	--	0.07	270.0	1.5200	--	--	404.0	5.31	--	214.5
9/14	36.0	0.20 U	18.6	85.8000	--	1.97	148.0	1.2861	1.34	0.05	349.0	5.34	--	83.3
3/15	32.0	0.20 U	10.0 U	90.8000	--	0.24	220.0	1.5500	1.60	0.05 U	432.0	5.12	--	319.4
9/15	40.0	0.20 U	11.7	93.8000	--	2.38	152.0	1.5500	1.60	0.05 U	301.0	5.07	--	378.9
3/16	33.0	0.20 U	10.0 U	90.7000	--	0.00	128.0	1.6300	1.68	0.05 U	448.0	5.16	--	348.8
8/16	37.0	0.20 U	10.0 U	91.7000	--	--	142.0	1.5400	1.59	0.05 U	411.0	4.82	--	360.2
3/17	43.0	0.20 U	10.0 U	95.0000	--	--	134.0	1.8400	1.89	0.05 U	451.0	5.02	--	353.5
9/17	27.0	0.20 U	10.0 U	88.4000	--	0.44	136.0	1.7800	1.83	0.05 U	461.0	5.08	--	377.1
3/18	28.8	0.20 U	10.0 U	90.4000	--	--	230.0	1.8200	1.87	0.05 U	292.0	5.08	--	334.7
10/18	27.2	0.20 U	10.0 U	79.0000	--	--	117.0	1.5100	1.56	0.05 U	226.0	5.04	--	295.3
4/19	31.9	0.13	5.0	70.3000	--	0.03	104.0 B	0.2000 U	--	--	138.4	5.17	5.49	396.0

Gude Landfill
Monitoring Location MW-13A - General Parameters

Printed 6/22/21

	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)
8/19	32.1	0.10 J	5.0	76.8000	--	0.14	102.0	1.4000	--	--	249.2	4.65	5.48	0.3
3/20	29.8	0.10 U	7.6	86.0000	--	0.46	132.0	1.9300	--	--	261.2	5.10	5.37	327.0
7/20	17.9	0.11	12.7	86.0000	--	0.53	131.0	1.9200	--	--	89.5	4.85	6.84	347.6
3/21	21.3	0.10 U	3.0 U	94.1000	--	0.07	127.0	2.9800	--	--	257.4	5.10	5.20	399.0

Gude Landfill

Printed 6/22/21

Monitoring Location MW-13A - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	4.00 U	--	--	380.0	--	1048.000	--
4/11	--	4.00 U	--	--	324.0	--	56.800	--
9/11	--	4.00 U	--	--	456.0	--	--	--
3/12	--	4.00 U	--	--	392.0	--	--	--
9/12	--	4.00 U	--	--	336.0	--	--	--
3/13	--	4.00 U	--	12.1	174.0	--	--	1082.00
9/13	--	4.00 U	--	14.6	348.0	--	--	1220.00
3/14	--	4.00 U	--	10.7	312.0	--	--	934.00
9/14	--	4.00 U	--	14.4	288.0	--	--	1349.00
3/15	--	4.00 U	--	11.1	228.0	--	--	42.70
9/15	--	4.00 U	--	25.1	142.0	--	--	73.20
3/16	--	4.00 U	--	14.1	238.0	--	--	27.20
8/16	--	4.00 U	--	15.9	293.0	--	--	46.60
3/17	--	4.00 U	--	13.3	177.0	--	--	14.30
9/17	--	4.00 U	--	16.5	246.0	--	--	14.80
3/18	--	4.00 U	--	11.8	308.0	--	--	11.80
10/18	--	--	--	19.3	196.0	--	--	10.20
4/19	314.0	6.20	--	13.2	195.0	26.8	8.910	23.00

Gude Landfill

Printed 6/22/21

Monitoring Location MW-13A - 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)
8/19	322.0	2.10	--	15.9	231.0	13.9	9.160	0.00
3/20	367.0	2.10	--	13.1	217.0	18.1	7.150	32.30
7/20	395.0	1.64	--	16.4	268.0	65.2	10.200	30.50
3/21	400.0	7.20	--	12.2	299.0	62.7	27.000	28.50

Gude Landfill
Monitoring Location MW-13A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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	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
8/16	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
3/17	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
9/17	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
3/18	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
10/18	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

Printed 6/22/21

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		
4/11	0.01	2.0	0.005 U	0.01 U	15.0	0.005 U	0.01 U	0.012
9/11	0.01	--	--	--	--	--	--	--
3/12	0.08	2.3	0.005 U	0.01 U	16.4	0.005 U	0.01 U	0.012
9/12	0.02	2.6	0.005 U	0.01 U	14.8	0.005 U	0.01 U	0.015
3/13	0.01	2.8	0.005 U	0.01 U	16.5	0.005 U	0.01 U	0.014
9/13	0.04	2.4	0.005 U	0.01 U	15.7	0.005 U	0.01 U	0.013
3/14	0.01	2.2	0.005 U	0.01 U	14.7	0.005 U	0.01 U	0.016
9/14	0.01	2.4	0.005 U	0.01 U	13.9	0.005 U	0.01 U	0.016
3/15	0.01 J	2.0	0.035 U	0.01 U	13.0	0.002 U	0.01 U	0.016
9/15	0.01 U	2.4	0.005 U	0.00 U	14.0	0.001 U	0.01 U	0.014
3/16	0.01	1.9	0.002 U	0.00 U	13.1	0.001 U	0.00 U	0.012
8/16	0.01	2.2	0.002 U	0.00 U	14.3	0.001 U	0.00 U	0.012
3/17	0.01	2.1	0.002	0.00 U	14.1	0.001 U	0.00 U	0.013
9/17	0.01	2.6	0.002 U	0.00 U	15.5	0.001 U	0.00 U	0.012
3/18	0.01	1.8	0.002	0.00 U	12.2	0.001 U	0.00	0.017
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 6/22/21

	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	
7/10	0.0010 U	0.0020	0.2300	0.0009 J	0.0010 U	--	0.0180	0.0160	0.0580	--	0.00650	--
9/10	0.0050 U	0.0050 U	0.3320	0.0050 U	0.0050 U	26.50	0.0240	0.0290	0.0710	28.3000	0.01120	23.500
4/11	0.0050 U	0.0050 U	0.1990	0.0050 U	0.0050 U	23.80 J	0.0050 U	0.0079	0.0121	3.3200	0.00500 U	20.700 J
9/11	0.0050 U	0.0050 U	0.2730	0.0050 U	0.0050 U	24.50	0.0050 U	0.0114	0.0137	2.9600	0.00686	19.700
3/12	0.0050 U	0.0050 U	0.6870	0.0050 U	0.0050 U	29.10	0.0853	0.0683	0.1970	108.0000	0.03270	47.000
9/12	0.0050 U	0.0050 U	0.2490	0.0050 U	0.0050 U	26.30	0.0224	0.0170	0.0421	17.3000	0.00690	19.700
3/13	0.0050 U	0.0050 U	0.2130	0.0050 U	0.0050 U	25.00	0.0084	0.0109	0.0271	10.3000	0.00500 U	18.200
9/13	0.0050 U	0.0050 U	0.3970	0.0050 U	0.0050 U	26.90	0.0409	0.0351	0.0900	45.7000	0.01460	30.500
3/14	0.0050 U	0.0050 U	0.4400	0.0050 U	0.0050 U	29.00	0.0436	0.0378	0.0950	45.9000	0.01720	31.900
9/14	0.0050 U	0.0050 U	0.4760	0.0050 U	0.0050 U	26.80	0.0342	0.0335	0.0753	44.0000	0.02150	28.600
3/15	0.0020 U	0.0020 U	0.1800	0.0020 U	0.0040 U	23.00	0.0050 J	0.0085 J	0.0050 J	2.0000	0.00200 U	17.000
9/15	0.0010 U	0.0015	0.3400	0.0017	0.0005 U	28.00	0.0410	0.0220	0.0480	29.0000	0.01000	26.000
3/16	0.0020 U	0.0020 U	0.1930	0.0020 U	0.0020 U	24.40	0.0020 U	0.0076	0.0020 U	0.2590	0.00200 U	17.700
8/16	0.0020 U	0.0020 U	0.1970	0.0020 U	0.0020 U	24.10	0.0020 U	0.0090	0.0031	1.2600	0.00200 U	17.300
3/17	0.0050 U	0.0050 U	0.2050	0.0050 U	0.0050 U	28.10	0.0050 U	0.0085	0.0067	0.8710	0.00500 U	19.600
9/17	0.0050 U	0.0050 U	0.2300	0.0050 U	0.0050 U	25.70	0.0050 U	0.0094	0.0125	3.9600	0.00500 U	18.700
3/18	0.0050 U	0.0050 U	0.1800	0.0050 U	0.0050 U	26.50	0.0050 U	0.0079	0.0118	0.2000 U	0.00500 U	18.000
10/18	0.0050 U	0.0050 U	0.1400	0.0050 U	0.0050 U	21.00	0.0050 U	0.0144	0.0050 U	1.0600	0.00500 U	15.700
4/19	0.0010 U	0.0010 U	0.1020	0.0010 U	0.0010 U	17.10	0.0015	0.0182	0.0019	2.3600	0.00100 U	14.800
8/19	0.0010 U	0.0010 U	0.1360	0.0010 U	0.0010 U	16.60	0.0012	0.0188	0.0027 B	0.5400	0.00113	14.800
3/20	0.0010 U	0.0010 U	0.1650	0.0010 U	0.0010 U	20.10	0.0040	0.0174	0.0026	0.7200	0.00100 U	20.000
7/20	0.0010 U	0.0010 U	0.1770	0.0010 U	0.0010 U	20.90	0.0032	0.0172	0.0037	0.9130	0.00100 U	19.000

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13A - Total Metals

Printed 6/22/21

	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)
3/21	0.0010 U	0.0010 U	0.1550	0.0010 U	0.0010 U	20.00	0.0014	0.0134	0.0062 B	1.2900	0.00100 U	18.700

Gude Landfill
Monitoring Location MW-13A - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200	0.0230	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.05400	0.07000
9/10	0.87600	0.000320	0.0345	8.650	0.00500 U	0.0050 U	17.60	0.0050 U	--	0.06260	0.09020
4/11	0.30200	0.000260	0.0100	3.030	0.00500 U	0.0050 U	16.10 J	0.0050 U	--	0.00990	0.01940
9/11	0.37600	0.000620	--	2.720	0.00500 U	0.0050 U	15.50	0.0050 U	--	0.00944	0.02240
3/12	1.88000	0.002570	0.0083	22.600	0.00500 U	0.0050 U	15.10	0.0050 U	--	0.23800	0.23100
9/12	0.54000	0.000389	0.0098	6.150	0.00500 U	0.0050 U	14.90	0.0050 U	--	0.04610	0.05850
3/13	0.33300	0.000329	0.0079	4.750	0.00500 U	0.0050 U	16.50	0.0050 U	--	0.01970	0.03300
9/13	1.03000	0.000746	0.0083	11.300	0.00500 U	0.0050 U	12.50	0.0050 U	--	0.11300	0.12600
3/14	0.95400	0.001416	0.0462	12.200	0.00500 U	0.0050 U	14.30	0.0050 U	--	0.09790	0.13400
9/14	1.30000	0.001979	0.0359	11.600	0.00500 U	0.0050 U	13.30	0.0050 U	--	0.09030	0.10800
3/15	0.27000	0.000200 U	0.0110 U	2.300	0.03500 U	0.0100 U	13.00	0.0020 U	--	0.00500 J	0.01700
9/15	0.32000	0.003100	0.0110	8.700	0.00500 U	0.0010 U	14.00	0.0010 U	--	0.07800	0.08900
3/16	0.26400	0.000200 U	0.0076	1.940	0.00200 U	0.0020 U	13.20	0.0010 U	--	0.00200 U	0.01220
8/16	0.30700	0.000200 U	0.0077	2.380	0.00200 U	0.0020 U	13.30	0.0010 U	--	0.00258	0.01240
3/17	0.28300	0.000200 U	0.0103	2.320	0.00500 U	0.0050 U	14.80	0.0050 U	--	0.00500 U	0.01580
9/17	0.34900	0.000315	0.0105	3.070	0.00500 U	0.0050 U	13.50	0.0050 U	--	0.00940	0.03610
3/18	0.28300	0.000200 U	0.0088	2.070	0.00500 U	0.0050 U	13.60	0.0050 U	--	0.00500 U	0.03350
10/18	0.59100	0.000200 U	0.0115	2.510	0.00500 U	0.0050 U	11.40	0.0050 U	--	0.00500 U	0.01860
4/19	0.79600	0.000100 U	0.0104	3.060	0.00100 U	0.0010 U	10.70	0.0010 U	--	0.00172	0.01520 B
8/19	0.80100	0.000100 U	0.0074	2.670	0.00100 U	0.0010 U	12.00	0.0010 U	--	0.00100 U	0.01930 B
3/20	0.69500	0.000100 U	0.0116	2.520	0.00100 U	0.0010 U	14.30	0.0010 U	--	0.00135	0.01660
7/20	0.60300	0.000107	0.0107	2.590	0.00100 U	0.0010 U	14.40	0.0010 U	--	0.00196	0.01320

Gude Landfill
Monitoring Location MW-13A - Total Metals

Printed 6/22/21

	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	0.48900	0.000173	0.0092	2.160	0.00100 U	0.0010 U	12.30	0.0010 U	--	0.00287	0.02870

Gude Landfill

Printed 6/22/21

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-Dichloroethane (ug/L)	1,1-Dichloropropene (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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7				0.2	0.05	600	5	5		75
7/10	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	2.00	6.00	1.00 U	5.00
9/10	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	1.86 J	4.80	2.00 U	3.54
4/11	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	1.00 U	1.00 U	6.60	--	1.00 U
9/11	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	1.00 U	1.00 U	4.40	--	1.00 U
3/12	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	1.00 U	1.00 U	5.40	--	5.90
9/12	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	5.64	1.00 U	5.12
3/13	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	2.35	6.94	1.00 U	5.77
9/13	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	1.74	3.08	1.00 U	6.46
3/14	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	--	2.06	6.00	1.00 U	6.13
9/14	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	6.22	1.00 U	5.20
3/15	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	2.23	6.06	1.00 U	5.25
9/15	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	2.06	5.41	1.00 U	3.68
3/16	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	2.19	6.43	1.00 U	5.69
8/16	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	1.95	5.56	1.00 U	5.19
3/17	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	2.05	6.14	1.00 U	6.20
9/17	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	1.89	5.28	1.00 U	4.80
3/18	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	1.96	5.26	1.00 U	4.40
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	1.46	3.76	1.00 U	3.22
4/19	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	1.00 U	1.10	3.30	1.00 U	2.60
8/19	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	1.00 U	1.50	4.30	1.00 U	3.20

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
3/20	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	1.00 U	1.20	3.60	1.00 U	2.40
7/20	1.00 U	1.00 U	1.00 U	1.00 U	8.50	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.40	3.80	1.00 U	2.10
3/21	1.00 U	1.00 U	1.00 U	1.00 U	6.30	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	2.50	1.00 U	2.20

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	3.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	0.72 J	2.00 U	3.31	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.01 J	0.97 J
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.24	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.57	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 J	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.64	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.81	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.28	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.27	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.57	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.71	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.28	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.09	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.58	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.88	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.46	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.03	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.70	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.66	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.49	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.00 U
10/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.21	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.01	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-13A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-13A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
7/10	1.00 U	1.00 U	100.00	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	--	1.00 U	10.00	1.00 U	1.00 U	35.00
9/10	2.00 U	0.96 J	76.70	2.00 U	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	22.20
4/11	1.00 U	6.40	96.00	1.00 U	1.00 U	1.00 U	--	1.00 U	3.10	1.00 U	10.00	--	1.00 U	17.00
9/11	1.00 U	3.70	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	9.20	--	1.00 U	25.00
3/12	1.00 U	1.00 U	97.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	3.20	--	1.00 U	28.00
9/12	1.00 U	1.00 U	79.80	1.00 U	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	25.70
3/13	1.00 U	1.00 U	105.00	1.00 U	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	27.80
9/13	1.00 U	1.00 U	120.00	1.00 U	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	24.20
3/14	1.00 U	1.00 U	94.20	1.00 U	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	21.70
9/14	1.00 U	1.00 U	81.60	1.00 U	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	18.00
3/15	1.00 U	1.00 U	95.90	1.00 U	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	17.20
9/15	1.17	1.00 U	81.50	1.00 U	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	11.90
3/16	1.57	1.00 U	95.80	1.00 U	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	18.80
8/16	1.37	1.00 U	86.70	1.00 U	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	15.30
3/17	1.50	1.00 U	92.40	1.00 U	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	17.30
9/17	1.28	1.00 U	80.70	1.00 U	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	13.10
3/18	1.33	1.00 U	74.80	1.00 U	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	12.10
10/18	1.00 U	1.00 U	49.90	1.00 U	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	8.30
4/19	1.00 U	1.00 U	46.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U	1.00 U	7.10
8/19	1.10	1.00 U	59.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70 J	1.00 U	1.00 U	8.40

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 6/22/21

Monitoring Location MW-13A - Volatile Organic Compounds

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
3/20	3.00	1.00 U	51.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 B	1.00 U	1.00 U	7.20
7/20	7.50	1.00 U	55.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	8.10
3/21	4.00	1.00 U	35.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	6.00

Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 6/22/21

	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	1000	100			5			2	10000
7/10	1.00 U	4.00	1.00 U	5.00 U	33.00	1.00 U	1.00 U	8.00	--
9/10	2.00 U	3.26	2.00 U	2.00 U	26.90	1.50 U	2.00 U	11.10	--
4/11	1.00 U	7.30	1.00 U	5.00 U	23.00	3.80	1.00 U	14.00	1.00 U
9/11	1.00 U	6.20	1.00 U	5.00 U	28.00	4.60	1.00 U	18.00	1.00 U
3/12	1.00 U	3.50	1.00 U	5.00 U	32.00	1.00 U	1.00 U	8.60	1.00 U
9/12	1.00 U	1.00 U	1.00 U	5.00 U	30.20	1.00 U	5.00 U	8.58	1.00 U
3/13	1.00 U	4.00	1.00 U	5.00 U	33.90	1.00 U	5.00 U	10.10	1.00 U
9/13	1.00 U	4.76	1.00 U	5.00 U	37.10	1.00 U	5.00 U	9.83	1.00 U
3/14	1.00 U	3.31	1.00 U	5.00 U	28.30	1.00 U	5.00 U	8.14	1.00 U
9/14	1.00 U	3.14	1.00 U	5.00 U	28.90	1.00 U	5.00 U	6.74	1.00 U
3/15	1.00 U	3.63	1.00 U	5.00 U	25.10	1.00 U	5.00 U	7.91	1.00 U
9/15	1.00 U	2.57	1.00 U	5.00 U	21.80	1.00 U	5.00 U	6.00	1.00 U
3/16	1.00 U	3.38	1.00 U	5.00 U	27.00	1.00 U	5.00 U	7.67	1.00 U
8/16	1.00 U	2.95	1.00 U	5.00 U	22.80	1.00 U	5.00 U	6.66	1.00 U
3/17	1.00 U	3.28	1.00 U	5.00 U	25.40	1.00 U	5.00 U	7.27	1.00 U
9/17	1.00 U	2.74	1.00 U	5.00 U	18.70	1.00 U	5.00 U	5.78	1.00 U
3/18	1.00 U	2.61	1.00 U	5.00 U	19.50	1.00 U	5.00 U	5.42	1.00 U
10/18	1.00 U	1.87	1.00 U	5.00 U	13.20	1.00 U	5.00 U	4.18	1.00 U
4/19	1.00 U	1.60	1.00 U	1.00 U	11.70	1.00 U	1.00 U	3.80	1.00 U
8/19	1.00 U	1.80	1.00 U	1.00 U	14.10	1.00 U	1.00 U	3.90	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-13A - Volatile Organic Compounds

Printed 6/22/21

	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)
3/20	1.00 U	1.60	1.00 U	1.00 U	10.90	1.00 U	1.00 U	2.30	1.00 U
7/20	1.00 U	1.50	1.00 U	1.00 U	11.90	1.00 U	1.00 U	2.30	1.00 U
3/21	1.00 U	1.10	1.00 U	1.00 U	7.80	1.00 U	1.00 U	2.20	1.00 U

Gude Landfill
Monitoring Location MW-13B - General Parameters

Printed 6/22/21

	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				
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	230.0	0.20 U	6.2 J	84.6000	--	--	360.0	1.4670	1.47	0.05 U	--	--	--	--
4/11	720.0	0.20 U	9.6	84.7000	--	--	313.0	1.6200	1.63	0.05 U	--	--	--	--
9/11	226.0	0.20 U	3.4	85.5000	--	--	67.0	1.6000	1.61	0.05 U	--	--	--	--
3/12	742.0	0.20 U	12.1	89.5000	--	--	334.0	1.8800	1.89	0.05 U	--	--	--	--
9/12	226.0	0.20 U	10.0 U	86.4000	--	--	316.0	2.0800	2.13	0.05 U	--	--	--	--
3/13	224.0	0.20 U	10.0 U	91.0000	--	0.02	314.0	2.2700	2.32	0.05 U	429.0	6.20	--	781.0
9/13	221.0	0.20 U	10.0 U	89.4000	--	0.02	328.0	2.4400	2.45	0.05 U	593.0	6.07	--	673.7
3/14	218.0	0.20 U	10.0 U	92.4000	--	0.01	340.0	2.7000	--	--	369.0	6.15	--	676.3
9/14	221.0	0.20 U	10.0 U	97.1000	--	2.16	342.0	2.9100	2.92	0.05 U	364.0	6.28	--	716.8
3/15	212.0	0.20 U	10.0 U	99.8000	--	0.00	368.0	3.3100	3.32	0.05 U	310.0	6.70	--	615.2
9/15	216.0	0.20 U	10.0 U	99.2000	--	1.63	344.0	3.4600	3.47	0.05 U	345.0	6.10	--	710.0
3/16	209.0	0.20 U	10.0 U	97.9000	--	0.00	324.0	3.6800	3.73	0.05 U	374.0	6.14	--	700.0
8/16	214.0	0.20 U	10.0 U	98.5000	--	--	340.0	3.7400	3.75	0.05 U	339.0	5.90	--	708.7
3/17	217.0	0.20 U	11.8	105.0000	--	--	340.0	4.0100	4.02	0.05 U	405.0	5.95	--	676.4
9/17	210.0	0.20 U	10.0 U	92.6000	--	--	344.0	4.2400	4.25	0.05 U	396.0	6.09	--	674.1
3/18	209.0	0.20 U	12.4	107.0000	--	--	350.0	3.9500	4.00	0.05 U	208.0	6.19	--	671.0
10/18	205.0	0.20 U	10.0 U	111.0000	--	--	358.0	4.2000	4.21	0.05 U	211.0	5.86	--	670.1
4/19	209.0	0.10 U	7.0	115.0000	--	0.03	318.0 B	0.2000 U	--	--	127.1	5.96	6.23	949.0

Gude Landfill
Monitoring Location MW-13B - General Parameters

Printed 6/22/21

	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)
8/19	207.0	0.12	4.3	116.0000	--	0.16	319.0	5.6000	--	--	201.6	5.72	6.33	0.8
3/20	204.0	0.10 U	10.6	98.4000	--	0.57	355.0	5.8800	--	--	230.8	5.99	6.10	639.0
7/20	189.0	0.10 U	7.1	99.0000	--	0.56	305.0	4.5700	--	--	199.3	5.85	6.11	639.0
3/21	194.0	0.10 U	3.0 U	108.0000	--	0.21	299.0	4.9800	--	--	203.6	5.98	6.13	735.0

Gude Landfill

Monitoring Location MW-13B - 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								
7/10	--	--	3.0 U	--	--	--	--	--
9/10	--	6.18	--	--	540.0	--	0.232	--
4/11	--	4.00 U	--	--	572.0	--	0.364	--
9/11	--	6.71	--	--	640.0	--	--	--
3/12	--	7.55	--	--	560.0	--	--	--
9/12	--	7.58	--	--	480.0	--	--	--
3/13	--	7.33	--	12.7	474.0	--	--	0.00
9/13	--	8.33	--	13.0	502.0	--	--	0.00
3/14	--	9.35	--	12.5	458.0	--	--	0.69
9/14	--	10.50	--	13.4	454.0	--	--	0.00
3/15	--	11.40	--	12.0	472.0	--	--	0.70
9/15	--	10.20	--	14.8	412.0	--	--	0.47
3/16	--	12.50	--	13.3	464.0	--	--	0.00
8/16	--	12.60	--	13.7	508.0	--	--	0.00
3/17	--	13.50	--	13.1	429.0	--	--	0.00
9/17	--	12.90	--	13.0	456.0	--	--	0.00
3/18	--	14.90	--	12.1	506.0	--	--	0.00
10/18	--	--	--	13.4	506.0	--	--	0.00
4/19	799.0	15.70	--	13.5	545.0	4.9	0.692	2.30

Gude Landfill

Monitoring Location MW-13B - 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)
8/19	790.0	15.80	--	13.9	504.0	2.3 U	0.500 U	0.00
3/20	757.0	16.40	--	11.9	456.0	4.8 U	0.500 U	11.50
7/20	772.0	14.90	--	15.0	481.0	2.3 U	0.500 U	2.60
3/21	800.0	20.00	--	11.9	496.0	2.3 U	0.500 U	0.00

Gude Landfill
Monitoring Location MW-13B - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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	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
8/16	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
3/17	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
9/17	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
3/18	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
10/18	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 6/22/21

	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		
4/11	0.01 U	3.1	0.005 U	0.01 U	17.7	0.005 U	0.01 U	0.005 U
9/11	0.01 U	--	--	--	--	--	--	--
3/12	0.01	3.6	0.005 U	0.01 U	16.2	0.005 U	0.01 U	0.005 U
9/12	0.01	3.7	0.005 U	0.01 U	17.4	0.005 U	0.01 U	0.008
3/13	0.01 U	4.9	0.005 U	0.01 U	19.0	0.005 U	0.01 U	0.005 U
9/13	0.01	3.7	0.005 U	0.01 U	16.3	0.005 U	0.01 U	0.007
3/14	0.01	3.8	0.005 U	0.01 U	17.9	0.005 U	0.01 U	0.006
9/14	0.01 U	3.6	0.005 U	0.01 U	17.9	0.005 U	0.01 U	0.008
3/15	0.01 U	3.4	0.035 U	0.01 U	17.0	0.002 U	0.01 U	0.010 U
9/15	0.01 U	3.7	0.005 U	0.00 U	18.0	0.001 U	0.01 U	0.005 U
3/16	0.00	3.3	0.002 U	0.00 U	17.5	0.001 U	0.00 U	0.002 U
8/16	0.00	3.5	0.002 U	0.00 U	18.8	0.001 U	0.00 U	0.002 U
3/17	0.00	3.4	0.003	0.00 U	18.3	0.001 U	0.00 U	0.002 U
9/17	0.00	3.3	0.002 U	0.00 U	17.5	0.001 U	0.00 U	0.002 U
3/18	0.00	3.1	0.003	0.00 U	16.5	0.001 U	0.00	0.002
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 6/22/21

	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	
7/10	0.0010 U	0.0007 J	0.0570	0.0010 U	0.0010 U	--	0.0010 U	0.0010 U	0.0008 J	--	0.00100 U	--
9/10	0.0050 U	0.0050 U	0.0676	0.0050 U	0.0050 U	82.70	0.0050 U	0.0050 U	0.0063	0.5710	0.00500 U	27.600
4/11	0.0050 U	0.0050 U	0.0730	0.0050 U	0.0050 U	80.50	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U	31.400 J
9/11	0.0050 U	0.0050 U	0.0706	0.0050 U	0.0050 U	83.40	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U	31.200
3/12	0.0050 U	0.0050 U	0.0746	0.0050 U	0.0050 U	91.20	0.0050 U	0.0050 U	0.0050 U	0.4980	0.00500 U	32.200
9/12	0.0050 U	0.0050 U	0.0676	0.0050 U	0.0050 U	81.40	0.0050 U	0.0050 U	0.0050 U	0.4470	0.00500 U	26.900
3/13	0.0050 U	0.0050 U	0.0748	0.0050 U	0.0050 U	83.00	0.0050 U	0.0050 U	0.0100	0.5370	0.00500 U	28.100
9/13	0.0050 U	0.0050 U	0.0754	0.0050 U	0.0050 U	86.20	0.0050 U	0.0050 U	0.0050 U	0.4110	0.00500 U	30.400
3/14	0.0050 U	0.0050 U	0.0794	0.0050 U	0.0050 U	90.00	0.0050 U	0.0050 U	0.0050 U	0.4580	0.00500 U	30.200
9/14	0.0050 U	0.0050 U	0.0814	0.0050 U	0.0050 U	85.20	0.0050 U	0.0050 U	0.0050 U	0.4980	0.00500 U	28.700
3/15	0.0020 U	0.0020 U	0.0700	0.0020 U	0.0040 U	86.00	0.0100 U	0.0100 U	0.0012 J	0.0050 U	0.00200 U	29.000
9/15	0.0010 U	0.0010 U	0.0730	0.0010 U	0.0005 U	89.00	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00100 U	29.000
3/16	0.0020 U	0.0020 U	0.0770	0.0020 U	0.0020 U	84.90	0.0020 U	0.0020 U	0.0020 U	0.4780	0.00200 U	29.200
8/16	0.0020 U	0.0020 U	0.0745	0.0020 U	0.0020 U	83.70	0.0020 U	0.0020 U	0.0020 U	0.4560	0.00200 U	30.100
3/17	0.0020 U	0.0020 U	0.0734	0.0020 U	0.0020 U	83.50	0.0029	0.0020 U	0.0020 U	0.4190	0.00200 U	28.900
9/17	0.0020 U	0.0020 U	0.0732	0.0020 U	0.0020 U	81.70	0.0020 U	0.0020 U	0.0020 U	0.4230	0.00200 U	28.300
3/18	0.0020 U	0.0020 U	0.0700	0.0020 U	0.0020 U	84.60	0.0068	0.0020 U	0.0020 U	0.2000 U	0.00200 U	27.800
10/18	0.0020 U	0.0020 U	0.0746	0.0020 U	0.0020 U	88.10	0.0046	0.0020 U	0.0020 U	0.0500 U	0.00200 U	33.400
4/19	0.0010 U	0.0010 U	0.0738	0.0010 U	0.0010 U	76.90	0.0013	0.0010 U	0.0037	0.1570	0.00100 U	30.600
8/19	0.0010 U	0.0010 U	0.0723	0.0010 U	0.0010 U	74.40	0.0012	0.0010 U	0.0010 U	0.1000 U	0.00100 U	32.200
3/20	0.0010 U	0.0010 U	0.0739	0.0010 U	0.0010 U	81.00	0.0010 U	0.0010 U	0.0010 U	0.0155 J	0.00100 U	37.100
7/20	0.0010 U	0.0010 U	0.0695	0.0010 U	0.0010 U	69.90	0.0010 U	0.0010 U	0.0010 U	0.0109 J	0.00100 U	31.700

Gude Landfill
Monitoring Location MW-13B - Total Metals

Printed 6/22/21

	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)
3/21	0.0010 U	0.0010 U	0.0665	0.0010 U	0.0010 U	70.60	0.0010 U	0.0010 U	0.0024 B	0.0139 J	0.00100 U	29.800

Gude Landfill
Monitoring Location MW-13B - Total Metals

Printed 6/22/21

	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			
7/10	--	0.000200	0.0022	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01400
9/10	0.03060	0.000200	0.0050 U	3.300	0.00500 U	0.0050 U	19.90	0.0050 U	--	0.00500 U	0.00500 U
4/11	0.03230	0.000200 U	0.0050 U	4.070	0.00500 U	0.0050 U	18.20 J	0.0050 U	--	0.00500 U	0.00500 U
9/11	0.03240	0.000200 U	--	3.530	0.00500 U	0.0050 U	17.90	0.0050 U	--	0.00500 U	0.00500 U
3/12	0.03820	0.000200 U	0.0053	3.500	0.00500 U	0.0050 U	18.90	0.0050 U	--	0.00500 U	0.00501
9/12	0.04030	0.000287	0.0070	3.670	0.00500 U	0.0050 U	15.90	0.0050 U	--	0.00500 U	0.00618
3/13	0.03310	0.000201	0.0050 U	4.710	0.00500 U	0.0050 U	19.90	0.0050 U	--	0.00500 U	0.00500 U
9/13	0.03710	0.000269	0.0050 U	3.350	0.00500 U	0.0050 U	16.40	0.0050 U	--	0.00500 U	0.00659
3/14	0.03420	0.000223	0.0051	3.660	0.00500 U	0.0050 U	17.70	0.0050 U	--	0.00500 U	0.00636
9/14	0.03610	0.000238	0.0050 U	3.450	0.00500 U	0.0050 U	17.70	0.0050 U	--	0.00500 U	0.00537
3/15	0.02600	0.000210	0.0110 U	3.400	0.03500 U	0.0100 U	17.00	0.0020 U	--	0.01000 U	0.01000 U
9/15	0.03000	0.000200 U	0.0100 U	3.800	0.00500 U	0.0010 U	19.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	0.03600	0.000200 U	0.0028	3.260	0.00200 U	0.0020 U	17.60	0.0010 U	--	0.00200 U	0.00200 U
8/16	0.03530	0.000200 U	0.0025	3.340	0.00200 U	0.0020 U	18.20	0.0010 U	--	0.00200 U	0.00200 U
3/17	0.03520	0.000200 U	0.0045	3.250	0.00245	0.0020 U	17.40	0.0010 U	--	0.00200 U	0.00200 U
9/17	0.03700	0.000200 U	0.0021	3.260	0.00200 U	0.0020 U	16.90	0.0010 U	--	0.00200 U	0.00200 U
3/18	0.03260	0.000200 U	0.0042	3.240	0.00292	0.0020 U	17.20	0.0010 U	--	0.00261	0.00200 U
10/18	0.03410	0.000200 U	0.0052	3.790	0.00256	0.0020 U	20.20	0.0010 U	--	0.00200 U	0.00200 U
4/19	0.04300	0.000372	0.0028	3.590	0.00100 U	0.0010 U	19.50	0.0010 U	--	0.00104	0.00400 U
8/19	0.03960	0.000299	0.0014	3.470	0.00100 U	0.0010 U	20.30	0.0010 U	--	0.00100 U	0.00495 B
3/20	0.03690	0.000217	0.0020	3.510	0.00100 U	0.0010 U	20.40	0.0010 U	--	0.00100 U	0.00400 U
7/20	0.02880	0.000232	0.0023	3.450	0.00100 U	0.0010 U	19.10	0.0010 U	--	0.00100 U	0.00400 U

Gude Landfill
Monitoring Location MW-13B - Total Metals

Printed 6/22/21

	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	0.03350	0.000259	0.0021	3.300	0.00100 U	0.0010 U	18.50	0.0010 U	--	0.00100 U	0.00438

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
7/10	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00	3.00	9.00	1.00 U	12.00
9/10	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	0.54 J	3.11	6.54	2.00 U	8.86
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	4.60	7.40	--	1.00 U
3/12	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	1.00	1.00 U	7.50	--	11.00
9/12	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	7.73	1.00 U	9.67
3/13	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	2.87	8.01	1.00 U	10.20
9/13	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	1.09	2.52	7.87	1.00 U	11.50
3/14	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	--	2.50	6.96	1.00 U	9.56
9/14	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	2.64	5.44	1.00 U	8.49
3/15	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	2.35	6.23	1.00 U	8.23
9/15	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	2.19	6.03	1.00 U	7.91
3/16	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	2.32	6.58	1.00 U	8.87
8/16	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	1.94	5.53	1.00 U	7.86
3/17	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	1.97	5.82	1.00 U	8.95
9/17	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	1.70	7.97	1.00 U	8.09
3/18	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	2.02	5.65	1.00 U	8.06
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	1.84	4.93	1.00 U	7.20
4/19	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	1.00 U	1.70	5.30	1.00 U	6.10
8/19	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	1.00 U	1.40	4.60	1.00 U	6.40

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
3/20	1.00 U	1.00 U	1.00 U	1.00 U	8.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	5.20	1.00 U	6.60
7/20	1.00 U	1.00 U	1.00 U	1.00 U	8.20	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.60	4.90	1.00 U	6.30
3/21	1.00 U	1.00 U	1.00 U	1.00 U	6.60	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.10	3.40	1.00 U	6.10

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	6.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	0.87 J	2.00 U	5.56	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.63 J	1.14 J
4/11	--	5.00 U	5.00 U	5.00 U	35.00	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	6.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.56	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.03	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.29	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.61	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.98	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.28	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.67	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.81	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.96	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.75	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.92	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.58	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.62	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.56	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.72	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.53	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.59	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.25	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.68	1.00 U
10/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.91	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.44	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.50	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
7/10	1.00 U	1.00 U	140.00	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	--	1.00 U	11.00	1.00 U	1.00 U	38.00
9/10	2.00 U	0.76 J	101.00	2.00 U	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	22.70
4/11	1.00 U	4.60	3.90	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	11.00	--	1.00 U	27.00
3/12	1.00 U	1.00 U	110.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	4.20	--	1.00 U	30.00
9/12	1.00 U	1.00 U	82.00	1.00 U	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	26.50
3/13	1.00 U	1.00 U	102.00	1.00 U	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	27.00
9/13	1.00 U	1.00 U	109.00	1.00 U	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	24.20
3/14	1.00 U	1.00 U	83.50	1.00 U	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	21.10
9/14	1.00 U	1.00 U	79.50	1.00 U	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	16.80
3/15	1.00 U	1.00 U	79.60	1.00 U	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	15.80
9/15	1.00 U	1.00 U	73.50	1.00 U	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	15.20
3/16	1.00 U	1.00 U	78.40	1.00 U	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	16.70
8/16	1.00 U	1.00 U	67.50	1.00 U	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	14.20
3/17	1.00 U	1.00 U	69.00	1.00 U	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	15.60
9/17	1.00 U	1.00 U	46.10	1.00 U	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	14.60
3/18	1.00 U	1.00 U	63.30	1.00 U	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	13.40
10/18	1.00 U	1.00 U	54.10	1.00 U	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	12.50
4/19	1.00 U	1.00 U	58.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.70	1.00 U	1.00 U	9.70
8/19	1.00 U	1.00 U	56.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.00 J	1.00 U	1.00 U	9.90

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
3/20	1.00 U	1.00 U	57.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50 B	1.00 U	1.00 U	11.20
7/20	1.00 U	1.00 U	58.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.00 U	1.00 U	11.30
3/21	1.00 U	1.00 U	41.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U	1.00 U	9.20

Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	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	1000	100			5			2	10000
7/10	1.00 U	5.00	1.00 U	5.00 U	38.00	2.00	1.00 U	13.00	--
9/10	2.00 U	4.45	2.00 U	2.00 U	32.00	1.71 J	2.00 U	17.20	--
4/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	7.30	1.00 U	5.00 U	28.00	4.70	1.00 U	25.00	1.00 U
3/12	1.00 U	4.30	1.00 U	5.00 U	32.00	1.30	1.00 U	12.00	1.00 U
9/12	1.00 U	1.00 U	1.00 U	5.00 U	27.60	1.00 U	5.00 U	9.83	1.00 U
3/13	1.00 U	4.22	1.00 U	5.00 U	29.50	1.27	5.00 U	11.40	1.00 U
9/13	1.00 U	4.18	1.00 U	5.00 U	34.50	1.00 U	5.00 U	9.96	1.00 U
3/14	1.00 U	3.31	1.00 U	5.00 U	22.90	1.00 U	5.00 U	8.49	1.00 U
9/14	1.00 U	3.60	1.00 U	5.00 U	20.20	1.09	5.00 U	10.80	1.00 U
3/15	1.00 U	3.03	1.00 U	5.00 U	19.00	1.00 U	5.00 U	8.03	1.00 U
9/15	1.00 U	2.89	1.00 U	5.00 U	20.70	1.00 U	5.00 U	7.37	1.00 U
3/16	1.00 U	3.18	1.00 U	5.00 U	19.90	1.00 U	5.00 U	8.09	1.00 U
8/16	1.00 U	2.57	1.00 U	5.00 U	16.60	1.00 U	5.00 U	6.51	1.00 U
3/17	1.00 U	2.69	1.00 U	5.00 U	17.20	1.00 U	5.00 U	6.40	1.00 U
9/17	1.00 U	1.75	1.00 U	5.00 U	20.50	1.00 U	5.00 U	4.42	1.00 U
3/18	1.00 U	2.32	1.00 U	5.00 U	15.40	1.00 U	5.00 U	5.26	1.00 U
10/18	1.00 U	2.21	1.00 U	5.00 U	13.80	1.00 U	5.00 U	5.46	1.00 U
4/19	1.00 U	2.30	1.00 U	1.00 U	12.30	1.00 U	1.00 U	6.00	1.00 U
8/19	1.00 U	2.20	1.00 U	1.00 U	11.00	1.00 U	1.00 U	5.60	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-13B - Volatile Organic Compounds

Printed 6/22/21

	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)
3/20	1.00 U	2.10	1.00 U	1.00 U	11.90	1.00 U	1.00 U	5.00	1.00 U
7/20	1.00 U	2.20	1.00 U	1.00 U	12.30	1.00 U	1.00 U	5.20	1.00 U
3/21	1.00 U	1.60	1.00 U	1.00 U	9.00	1.00 U	1.00 U	4.50	1.00 U

Gude Landfill
Monitoring Location MW-14A - General Parameters

Printed 6/22/21

	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						
9/11	16.0	0.26	56.0	300.0000	0.050 U	--	490.0	2.6000	--	5.40	--	--	--	980.0
4/19	17.6	0.10 U	10.0	160.0000	--	7.22	173.0	3.3000	228.1	--	5.35	5.54	731.0	590.0
8/19	7.5	0.10 U	16.6	354.0000	--	7.21	323.0	5.4000	231.5	--	4.91	5.45	1.1	1160.0
3/20	15.7	0.10 U	3.0 U	242.0000	--	6.64	236.0	2.8400	247.2	--	5.05	5.52	1085.0	876.0
8/20	11.4	0.10 U	17.9	301.0000	--	6.45	295.0	2.5700	331.3	--	5.33	5.28	962.0	1080.0
3/21	19.0	0.10 U	3.0 U	201.0000	--	5.79	162.0	2.6000	256.1	--	5.28	5.52	722.0	751.0

Gude Landfill
Monitoring Location MW-14A - General Parameters

Printed 6/22/21

	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							
9/11	11.00	3.0 UH	--	720.0	--	360.000	--
4/19	15.50	--	17.3	526.0	125.0	9.080	8.20
8/19	24.40	--	17.1	1020.0	64.0	11.200	8.92
3/20	15.70	--	18.2	603.0	317.0	13.400	28.10
8/20	15.00	--	18.4	633.0	405.0	107.000	318.20
3/21	19.90	--	18.2	384.0	708.0	24.800	165.00

Gude Landfill
Monitoring Location MW-14A - Dissolved Metals

Printed 6/22/21

	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
9/11	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 6/22/21

Vanadium, dissolved (mg/L)
Zinc, dissolved (mg/L)

MCL/
GWPS

9/11 0.01 U 0.071

Gude Landfill
Monitoring Location MW-14A - Total Metals

Printed 6/22/21

	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	
9/11	0.0010 U	0.0007 J	0.6200	0.0010 U	0.0007	--	0.0270	0.0150	0.0460	--	0.00230	--
4/19	0.0010 U	0.0010 U	0.2420	0.0010 U	0.0010 U	30.00	0.0106	0.0042	0.0107	2.3900	0.00100 U	23.800
8/19	0.0010 U	0.0010 U	0.4190	0.0010 U	0.0010 U	55.80	0.0077	0.0040	0.0086 B	2.1800	0.00100 U	44.700
3/20	0.0010 U	0.0010 U	0.3110	0.0010 U	0.0010 U	40.70	0.0100	0.0032	0.0094	1.4200	0.00100 U	32.700
8/20	0.0010 U	0.0010 U	0.4740	0.0010 U	0.0010 U	46.50	0.0344	0.0121	0.0447	13.2000	0.00191	43.500
3/21	0.0010 U	0.0010 U	0.2080	0.0010 U	0.0010 U	27.80	0.0080	0.0032	0.0107	2.1500	0.00100 U	22.600

Gude Landfill
Monitoring Location MW-14A - Total Metals

Printed 6/22/21

	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			
9/11	--	0.000200 U	0.0730	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.03500	0.08300
4/19	0.03890	0.000100 U	0.0243	2.980	0.00100 U	0.0010 U	40.90	0.0010 U	--	0.00611	0.04070
8/19	0.04600	0.000100 U	0.0343	3.710	0.00100 U	0.0010 U	69.80	0.0010 U	--	0.00548	0.06830
3/20	0.03010	0.000100 U	0.0286	3.220	0.00100 U	0.0010 U	60.40	0.0010 U	--	0.00290	0.04870
8/20	0.13600	0.000100 U	0.0610	5.730	0.00100 U	0.0010 U	67.30	0.0010 U	--	0.03270	0.09620
3/21	0.03140	0.000100 U	0.0168	2.790	0.00100 U	0.0010 U	60.00	0.0010 U	--	0.00607	0.04240

Gude Landfill
Monitoring Location MW-14A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7				0.2	0.05	600	5	5		75
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-14A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/11	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	8.90	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-14A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/11	0.90 J	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	1.00 U
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location MW-14A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-14B - General Parameters

Printed 6/22/21

	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						
9/11	35.0	0.27	20.0 U	7.5000	0.050 U	--	38.0	2.7000	--	5.80	--	--	--	120.0
4/19	34.3	0.10 U	11.0	20.7000	--	5.11	59.1	5.4000	147.8	--	5.81	5.99	213.9	174.0
8/19	35.6	0.10 U	6.5	23.6000	--	5.24	65.4 B	5.2000	134.9	--	5.48	5.87	0.2	187.0
3/20	33.5	0.10 U	7.4	20.2000	--	5.43	59.9	5.0900	188.0	--	5.56	6.04	203.3	178.0
8/20	25.6	0.10 U	19.6	17.9000	--	4.88	57.9	4.3700	283.1	--	5.94	2.31	1630.0	2480.0
3/21	42.0	0.10 U	3.0 U	21.9000	--	4.91	56.6	4.8800	225.1	--	5.70	5.94	164.7	183.0

Gude Landfill
Monitoring Location MW-14B - General Parameters

Printed 6/22/21

	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							
9/11	0.20 U	3.0 UH	--	140.0	--	2.700	--
4/19	2.50	--	15.0	184.0	95.2	6.550	6.20
8/19	2.10	--	16.2	164.0	67.5	4.380	4.26
3/20	2.06	--	14.9	134.0	27.1	3.500	10.50
8/20	2.70	--	17.8	122.0	7.7	4.130	2.10
3/21	2.30	--	15.1	128.0	11.2	2.540	10.00

Gude Landfill
Monitoring Location MW-14B - Dissolved Metals

Printed 6/22/21

	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
9/11	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 6/22/21

Vanadium, dissolved (mg/L)
Zinc, dissolved (mg/L)

MCL/
GWPS

9/11 0.01 U 0.012

Gude Landfill
Monitoring Location MW-14B - Total Metals

Printed 6/22/21

	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	
9/11	0.0010 U	0.0010 U	0.0130	0.0010 U	0.0010 U	--	0.0016	0.0010 U	0.0010 U	--	0.00100 U	--
4/19	0.0010 U	0.0010 U	0.0172	0.0010 U	0.0010 U	11.80	0.0037	0.0010 U	0.0022	0.3510	0.00100 U	7.200
8/19	0.0010 U	0.0010 U	0.0176	0.0010 U	0.0010 U	13.00 B	0.0041	0.0010 U	0.0014	0.5910	0.00100 U	7.980
3/20	0.0010 U	0.0010 U	0.0154	0.0010 U	0.0010 U	11.70	0.0064	0.0010 U	0.0010 U	0.2490	0.00100 U	7.430
8/20	0.0010 U	0.0010 U	0.0175	0.0010 U	0.0010 U	11.80	0.0046	0.0010 U	0.0017	0.2680	0.00100 U	6.910
3/21	0.0010 U	0.0010 U	0.0155	0.0010 U	0.0010 U	11.60	0.0022	0.0010 U	0.0010 U	0.2040	0.00100 U	6.700

Gude Landfill
Monitoring Location MW-14B - Total Metals

Printed 6/22/21

	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			
9/11	--	0.000200 U	0.0014	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01000 U
4/19	0.01430	0.000100 J	0.0030	1.530	0.00100 U	0.0010 U	8.01	0.0010 U	--	0.00100 U	0.00554
8/19	0.02100	0.000100 U	0.0037	1.530	0.00100 U	0.0010 U	8.51 B	0.0010 U	--	0.00100 U	0.00711 B
3/20	0.00505	0.000100 U	0.0048	1.470	0.00100 U	0.0010 U	8.02	0.0010 U	--	0.00100 U	0.00400 U
8/20	0.00630	0.000100 U	0.0029	1.520	0.00100 U	0.0010 U	7.96	0.0010 U	--	0.00100 U	0.01440
3/21	0.01020	0.000100 U	0.0010 U	1.350	0.00100 U	0.0010 U	7.45	0.0010 U	--	0.00139	0.00400 U

Gude Landfill
Monitoring Location MW-14B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7				0.2	0.05	600	5	5		75
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-14B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/11	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	6.90	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-14B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/11	2.00	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	1.00 U
4/19	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location MW-14B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-15 - General Parameters

Printed 6/22/21

	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						
9/11	30.0	0.39	51.0	11.0000	0.050 U	--	63.0	3.1000	--	5.70	--	--	--	120.0
4/19	24.0	0.10 U	12.0	25.3000	--	4.68	71.8	5.2000	233.5	--	5.52	5.78	215.4	175.0
8/19	1.0 U	0.15	6.5	28.1000	--	4.53	81.5 B	5.3000	237.3	--	5.17	5.61	0.2	522.0
3/20	25.1	0.10 U	5.1	37.0000	--	0.51	90.0	4.8900	225.5	--	5.27	5.77	303.1	228.0
8/20	16.7	0.10 U	13.7	30.6000	--	4.48	78.2	4.5700	327.3	--	5.48	5.56	190.6	211.0
3/21	27.0	0.10 U	3.0 U	29.5000	--	4.02	65.9	4.7400	229.3	--	5.49	5.66	199.8	208.0

Gude Landfill
Monitoring Location MW-15 - General Parameters

Printed 6/22/21

	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							
9/11	0.30	3.0 UH	--	100.0	--	440.000	--
4/19	3.80	--	16.6	448.0	1500.0	114.000	203.00
8/19	80.60	--	17.0	162.0	144.0	58.200	54.00
3/20	8.70	--	16.5	164.0	627.0	82.200	58.80
8/20	10.00	--	18.3	151.0	734.0	81.500	38.80
3/21	8.50	--	17.3	145.0	234.0	36.800	205.10

Gude Landfill
Monitoring Location MW-15 - Dissolved Metals

Printed 6/22/21

	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
9/11	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 6/22/21

Vanadium, dissolved (mg/L)
Zinc, dissolved (mg/L)

MCL/
GWPS

9/11 0.01 U 0.016

Gude Landfill
Monitoring Location MW-15 - Total Metals

Printed 6/22/21

	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	
9/11	0.0010 U	0.0018	0.1600	0.0010 U	0.0010 U	--	0.0120	0.0130	0.0560	--	0.00520	--
4/19	0.0010 U	0.0010 U	0.0829	0.0010 U	0.0010 U	10.40	0.0134	0.0053	0.0598	11.4000	0.00251	11.100
8/19	0.0010 U	0.0010 U	0.0905	0.0010 U	0.0010 U	11.50 B	0.0180	0.0055	0.0453	13.1000	0.00275	12.800
3/20	0.0010 U	0.0010 U	0.0983	0.0010 U	0.0010 U	12.60	0.0175	0.0054	0.0416	12.4000	0.00244	14.200
8/20	0.0010 U	0.0010 U	0.0872	0.0010 U	0.0010 U	11.00	0.0105	0.0039	0.0313	8.7800	0.00225	12.300
3/21	0.0010 U	0.0010 U	0.0574	0.0010 U	0.0010 U	11.10	0.0080	0.0017	0.0119	2.9800	0.00100 U	9.270

Gude Landfill
Monitoring Location MW-15 - Total Metals

Printed 6/22/21

	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			
9/11	--	0.000200 U	0.0150	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.01200	0.05000
4/19	0.16700	0.000100 U	0.0152	1.980	0.00162	0.0010 U	7.15	0.0010 U	--	0.00995	0.04880
8/19	0.19400	0.000100 U	0.0199	1.890	0.00231	0.0010 U	8.21 B	0.0010 U	--	0.00919	0.05500 B
3/20	0.18800	0.000100 U	0.0198	2.030	0.00175	0.0010 U	10.90	0.0010 U	--	0.00898	0.04770
8/20	0.14100	0.000100 U	0.0126	2.030	0.00159	0.0010 U	9.22	0.0010 U	--	0.00782	0.04020
3/21	0.05050	0.000100 U	0.0046	1.610	0.00100 U	0.0010 U	7.55	0.0010 U	--	0.00314	0.01950

Gude Landfill
Monitoring Location MW-15 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7				0.2	0.05	600	5	5		75
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-15 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/11	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.60 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-15 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/11	2.00	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	1.00 U
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location MW-15 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-16A - General Parameters

Printed 6/22/21

	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					
9/17	235.0	0.20 U	31.8	105.0000	0.41	270.0	0.2000 U	0.20 U	0.05 U	133.0	6.43	--	791.1	--
3/18	229.0	0.20 U	32.6	108.0000	--	330.0	0.2000 U	0.20 U	0.05 U	-19.0	6.39	--	698.6	--
9/18	224.0	0.20 U	28.2	72.4000	--	165.0	2.1700	2.22	0.05 U	-38.0	6.23	--	655.4	--
4/19	200.0	0.19	21.0	37.2000	0.13	138.0 B	0.5000	--	--	-20.8	6.16	6.43	746.0	604.0
8/19	217.0	0.13	32.8	59.4000	0.25	153.0	8.4000	--	--	-0.3	6.02	6.40	0.7	659.0
3/20	240.0	0.18	29.6	73.0000	0.39	186.0	3.8100	--	--	-38.3	6.26	6.49	782.0	731.0
8/20	215.0	0.12	40.9	64.5000	0.50	203.0	7.8400	--	--	45.2	6.04	6.44	675.0	718.0
3/21	208.0	0.14	15.3	52.6000	0.01	168.0	14.8000	--	--	-51.2	6.15	6.31	881.0	734.0

Gude Landfill
Monitoring Location MW-16A - General Parameters

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	13.00	20.2	463.0	--	--	4.30
3/18	14.10	14.9	426.0	--	--	1.30
9/18	14.90	23.8	358.0	--	--	7.00
4/19	16.40	21.3	365.0	72.7	25.700	36.40
8/19	20.00	22.4	408.0	29.3	37.100	6.59
3/20	20.50	20.6	431.0	21.6	28.700	19.80
8/20	20.00	21.1	448.0	393.0	389.000	50.30
3/21	43.50	21.2	437.0	416.0	92.000	129.10

Gude Landfill
Monitoring Location MW-16A - Dissolved Metals

Printed 6/22/21

	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
9/17	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
3/18	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
9/18	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

Printed 6/22/21

	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		
9/17	0.01	3.3	0.004	0.00 U	72.2	0.001 U	0.00 U	0.005
3/18	0.01	3.5	0.005	0.00 U	72.4	0.001 U	0.00 U	0.005
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.3180	0.0050 U	0.0050 U	46.80	0.0050 U	0.0073	0.0067	12.2000	0.00500 U	55.000
3/18	0.0050 U	0.0050 U	0.3000	0.0050 U	0.0050 U	27.10	0.0050 U	0.0076	0.0050 U	12.7000	0.00500 U	31.300
9/18	0.0020 U	0.0035	0.2640	0.0020 U	0.0020 U	22.30	0.0043	0.0060	0.0035	11.6000	0.00200 U	26.700
4/19	0.0010 U	0.0021	0.2170	0.0010 U	0.0010 U	16.40	0.0215	0.0070	0.0078	6.8700	0.00131	23.700
8/19	0.0010 U	0.0022	0.2340	0.0010 U	0.0010 U	17.60	0.0161	0.0055	0.0080 B	7.6400	0.00178	26.600
3/20	0.0010 U	0.0031	0.3090	0.0010 U	0.0010 U	20.70	0.0076	0.0071	0.0024	10.5000	0.00100 U	32.600
8/20	0.0010 U	0.0049	0.3580	0.0011	0.0010 U	20.80	0.0631	0.0181	0.0787	20.4000	0.01060	36.600
3/21	0.0010 U	0.0028	0.2710	0.0010 U	0.0010 U	19.70	0.0053	0.0066	0.0113 B	8.2400	0.00268	28.900

Gude Landfill
Monitoring Location MW-16A - Total Metals

Printed 6/22/21

	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		
9/17	8.83000	0.000200 U	0.0089	3.570	0.00500 U	0.0050 U	125.00	0.0050 U	0.00500 U	0.04930
3/18	9.51000	0.000200 U	0.0069	3.640	0.00500 U	0.0050 U	81.10	0.0050 U	0.00500 U	0.02730
9/18	9.57000	0.000200 U	0.0068	3.550	0.00308	0.0020 U	68.30	0.0010 U	0.00200 U	0.00957
4/19	12.70000	0.000100 U	0.0193	3.530	0.00100 U	0.0010 U	59.60	0.0010 U	0.00173	0.02460 B
8/19	9.06000	0.000100 U	0.0140	3.390	0.00100 U	0.0010 U	70.00	0.0010 U	0.00120	0.01830 B
3/20	10.70000	0.000100 U	0.0104	3.980	0.00100 U	0.0010 U	85.90	0.0010 U	0.00100 U	0.00840
8/20	11.00000	0.000332	0.0574	6.480	0.00416	0.0010 U	78.80	0.0010 U	0.01420	0.13600
3/21	9.53000	0.000100 U	0.0097	3.960	0.00109	0.0010 U	73.20	0.0010 U	0.00234	0.03630

Gude Landfill
Monitoring Location MW-16A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)	
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75	
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	1.00 U	1.00 U	1.00 U	3.99
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	3.09
9/18	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	2.79
4/19	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	1.00 U	1.00 U	1.30
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	1.00 U	1.00 U	1.50
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-16A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5		80	80			5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	12.00	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	11.20	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.77	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	6.30 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.10	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.00	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.70	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.00 U

Gude Landfill
Monitoring Location MW-16A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-16A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-16B - General Parameters

Printed 6/22/21

	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					
9/17	167.0	0.20 U	30.7	329.0000	--	460.0	1.5400	1.59	0.05 U	301.0	6.01	--	1246.0	--
3/18	168.0	0.20 U	39.8	338.0000	--	124.0	1.4900	1.54	0.05 U	30.0	6.08	--	1219.0	--
9/18	128.0	0.20 U	22.2	180.0000	--	342.0	3.5800	3.63	0.05 U	118.0	5.99	--	870.5	--
4/19	146.0	0.10 U	30.0	210.0000	0.09	329.0 B	0.2000 U	--	--	83.2	5.94	6.23	1174.0	961.0
8/19	151.0	0.10 U	27.4	257.0000	0.25	368.0	2.3000	--	--	105.8	5.66	6.09	1.1	1050.0
3/20	159.0	0.10 U	39.6	126.0000	0.64	436.0	0.4800	--	--	106.8	5.95	6.20	1150.0	1110.0
8/20	144.0	0.10 U	46.0	208.0000	3.32	354.0	0.9900	--	--	142.2	6.43	6.05	942.0	992.0
3/21	144.0	0.10 U	18.9	205.0000	0.29	322.0	2.6500	--	--	175.1	5.92	6.08	1069.0	987.0

Gude Landfill
Monitoring Location MW-16B - General Parameters

Printed 6/22/21

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	8.36	19.0	825.0	--	--	4.70
3/18	8.60	13.8	774.0	--	--	2.20
9/18	17.60	19.9	498.0	--	--	6.80
4/19	14.70	19.4	588.0	7.5	4.290	3.70
8/19	7.80	19.4	719.0	2.3 U	3.290	9.80
3/20	3.94	19.6	650.0	2.6	5.980	0.70
8/20	5.83	22.7	529.0	3.7	0.644	3.50
3/21	6.80	18.7	580.0	2.3 J	1.260	2.91

Gude Landfill
Monitoring Location MW-16B - Dissolved Metals

Printed 6/22/21

	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
9/17	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
3/18	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
9/18	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

Printed 6/22/21

	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		
9/17	0.02	4.2	0.008	0.00 U	47.3	0.001 U	0.00 U	0.011
3/18	0.02	4.3	0.012	0.00 U	48.9	0.001 U	0.00 U	0.016
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.0743	0.0050 U	0.0050 U	88.50	0.0050 U	0.0139	0.0063	2.0000	0.00500 U	76.100
3/18	0.0020 U	0.0050	0.0590	0.0020 U	0.0020 U	82.80	0.0052	0.0125	0.0020 U	0.9200	0.00200 U	70.000
9/18	0.0020 U	0.0025	0.0289	0.0020 U	0.0020 U	59.30	0.0035	0.0085	0.0020 U	0.8300	0.00200 U	47.100
4/19	0.0010 U	0.0010 U	0.0271	0.0010 U	0.0010 U	51.70	0.0044	0.0078	0.0015	0.6550	0.00100 U	48.600
8/19	0.0010 U	0.0011	0.0279	0.0010 U	0.0010 U	54.80	0.0017	0.0078	0.0010 U	0.9750	0.00100 U	56.100
3/20	0.0010 U	0.0014	0.0299	0.0010 U	0.0010 U	63.00	0.0049	0.0089	0.0031	1.3200	0.00100 U	67.600
8/20	0.0010 U	0.0010 U	0.0312	0.0010 U	0.0010 U	56.40	0.0065	0.0102	0.0026	0.1060	0.00100 U	51.700
3/21	0.0010 U	0.0010 U	0.0218	0.0010 U	0.0010 U	50.50	0.0010 U	0.0062	0.0024 B	0.1690	0.00100 U	47.500

Gude Landfill
Monitoring Location MW-16B - Total Metals

Printed 6/22/21

	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		
9/17	13.10000	0.000200 U	0.0216	4.430	0.00624	0.0050 U	50.30	0.0050 U	0.00500 U	0.04680
3/18	15.00000	0.000200 U	0.0196	4.220	0.01170	0.0020 U	48.10	0.0010 U	0.00200 U	0.01780
9/18	8.51000	0.000200 U	0.0130	3.490	0.00591	0.0020 U	31.80	0.0010 U	0.00200 U	0.00637
4/19	16.30000	0.000100 U	0.0172	3.610	0.00100 U	0.0010 U	36.00	0.0010 U	0.00100 U	0.00673 B
8/19	10.00000	0.000100 U	0.0134	3.630	0.00100 U	0.0010 U	39.90	0.0010 U	0.00100 U	0.00795 B
3/20	12.30000	0.000100 U	0.0150	4.180	0.00100 U	0.0010 U	49.40	0.0010 U	0.00100 U	0.00727
8/20	11.70000	0.000100 U	0.0244	3.850	0.00100 U	0.0010 U	37.70	0.0010 U	0.00100 U	0.01220
3/21	8.62000	0.000100 U	0.0146	3.470	0.00100 U	0.0010 U	35.60	0.0010 U	0.00100 U	0.00940

Gude Landfill
Monitoring Location MW-16B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
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	1.02	1.00 U	1.00 U	1.00 U	7.56
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	5.57
9/18	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	3.89
4/19	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	1.00 U	3.90
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	1.00 U	5.30
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	1.00 U	1.00 U	1.00 U	1.00 U	5.20
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	4.30
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	4.50

Gude Landfill
Monitoring Location MW-16B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5		80	80			5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.25	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	12.20	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	10.50	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	9.52	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	9.50 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.30	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	11.80	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	11.50	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.90	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	11.30	1.00 U

Gude Landfill
Monitoring Location MW-16B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	6.59	1.00 U	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
3/18	1.00 U	1.00 U	4.83	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.10	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location MW-16B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-19A - General Parameters

Printed 6/22/21

	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					
9/17	60.0	0.20 U	10.0 U	288.0000	0.67	268.0	2.0300	2.04	0.05 U	414.0	5.80	--	1090.0	--
4/18	50.5	0.20 U	10.0 U	304.0000	--	243.0	2.5700	2.58	0.05 U	290.0	5.78	--	962.2	--
9/18	52.3	0.20 U	10.0 U	290.0000	--	255.0	2.0600	2.07	0.05 U	207.0	5.66	--	1005.0	--
4/19	57.2	0.10 U	5.0	267.0000	0.11	269.0 B	2.1000	--	--	181.1	5.71	5.86	1192.0	1010.0
8/19	61.4	0.10 U	3.0 U	290.0000	0.17	268.0 B	2.3000	--	--	190.5	5.42	5.95	1.0	1040.0
3/20	58.4	0.10 J	3.0 U	257.0000	0.53	268.0	2.1300	--	--	255.7	5.54	5.97	1196.0	990.0
8/20	32.4	0.10 U	9.9	262.0000	0.55	268.0	1.8300	--	--	233.3	5.88	5.77	863.0	1070.0
3/21	59.6	0.12	3.0 U	290.0000	0.04	278.0	1.6300	--	--	239.0	5.65	5.82	1075.0	1100.0

Gude Landfill
Monitoring Location MW-19A - General Parameters

Printed 6/22/21

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	11.30	17.9	685.0	--	--	0.00
4/18	12.90	14.1	646.0	--	--	5.20
9/18	12.80	19.7	593.0	--	--	0.00
4/19	13.60	14.4	795.0	81.0	13.400	9.10
8/19	13.50	15.2	797.0	17.0	34.300	8.25
3/20	14.00	13.4	643.0	47.9	3.500	11.20
8/20	13.20	15.5	583.0	259.0	38.500	103.70
3/21	14.90	15.2	647.0	488.0	43.300	129.00

Gude Landfill

Printed 6/22/21

Monitoring Location MW-19A - 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
9/17	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
4/18	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
9/18	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

Printed 6/22/21

	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		
9/17	0.00	4.0	0.002 U	0.00 U	90.6	0.001 U	0.00 U	0.013
4/18	0.01	3.8	0.002 U	0.00 U	101.0	0.001 U	0.00 U	0.013
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.1400	0.0050 U	0.0050 U	48.50	0.0050 U	0.0050	0.0094	1.7200	0.00500 U	35.700
4/18	0.0020 U	0.0020 U	0.1250	0.0020 U	0.0020 U	43.90	0.0020 U	0.0032	0.0020 U	0.0500 U	0.00200 U	32.400
9/18	0.0020 U	0.0020 U	0.1150	0.0020 U	0.0020 U	46.80	0.0020 U	0.0048	0.0187	0.0500 U	0.00200 U	33.600
4/19	0.0010 U	0.0010 U	0.1180	0.0010 U	0.0010 U	45.20	0.0024	0.0119	0.0059	1.7500 B	0.00100 U	37.900
8/19	0.0010 U	0.0010 U	0.1100	0.0010 U	0.0010 U	44.00 B	0.0026	0.0069	0.0066	0.9220	0.00105	38.400
3/20	0.0010 U	0.0010 U	0.1070	0.0010 U	0.0010 U	44.60	0.0010 U	0.0054	0.0010 U	0.2750	0.00100 U	38.100
8/20	0.0010 U	0.0010 U	0.1240	0.0010 U	0.0010 U	42.90	0.0048	0.0108	0.0077	3.0300	0.00167	39.000
3/21	0.0010 U	0.0010 U	0.1190	0.0010 U	0.0010 U	45.50	0.0032	0.0133	0.0096	3.0100	0.00143	39.800

Gude Landfill
Monitoring Location MW-19A - Total Metals

Printed 6/22/21

	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		
9/17	1.37000	0.000705	0.0071	4.020	0.00500 U	0.0050 U	100.00	0.0050 U	0.00500 U	0.03980
4/18	1.20000	0.000713	0.0059	3.970	0.00200 U	0.0020 U	97.10	0.0010 U	0.00200 U	0.01310
9/18	1.56000	0.000676	0.0085	3.500	0.00200 U	0.0020 U	86.80	0.0010 U	0.00200 U	0.03010
4/19	1.71000	0.000839	0.0094	3.780	0.00100 U	0.0010 U	79.20	0.0010 U	0.00209	0.03440 B
8/19	1.53000 J	0.000411	0.0084	3.740	0.00100 U	0.0010 U	85.10 B	0.0010 U	0.00100 U	0.03130 B
3/20	1.61000	0.000743	0.0070	3.710	0.00100 U	0.0010 U	80.00	0.0010 U	0.00100 U	0.02720
8/20	1.72000	0.000523	0.0117	3.830	0.00137	0.0010 U	79.50	0.0010 U	0.00438	0.04060
3/21	1.89000	0.000469	0.0123	3.520	0.00112	0.0010 U	74.40	0.0010 U	0.00313	0.05100

Gude Landfill
Monitoring Location MW-19A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)	
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75	
9/17	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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U
9/18	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	1.00 U	1.00 U	1.00 U	1.00 U
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	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	1.00 U	1.00 U	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	2.50	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-19A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.00 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-19A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	2.52	1.00 U	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	1.22	1.00 U
4/18	1.00 U	1.00 U	3.27	1.00 U	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	1.24	1.00 U
9/18	1.00 U	1.00 U	3.31	1.00 U	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	1.16	1.00 U
4/19	1.00 U	1.00 U	7.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U
8/19	1.00 U	1.00 U	5.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
3/20	1.00 U	1.00 U	6.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U
8/20	1.00 U	1.00 U	7.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U
3/21	1.00 U	1.00 U	6.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-19A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	1.99	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.45	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	2.60	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	2.30	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	1.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	2.40	1.10	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-19B - General Parameters

Printed 6/22/21

	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					
9/17	106.0	0.20 U	10.0 U	128.0000	--	262.0	1.2800	1.29	0.05 U	338.0	6.18	--	551.7	--
4/18	99.6	0.20 U	10.0 U	147.0000	--	268.0	1.5200	1.53	0.05 U	191.0	6.04	--	604.7	--
9/18	96.0	0.20 U	10.0 U	154.0000	--	288.0	1.5100	1.52	0.05 U	232.0	5.84	--	674.1	--
4/19	104.0	0.10 U	5.0	173.0000	0.06	295.0 B	1.6000	--	--	156.4	5.95	6.09	906.0	754.0
8/19	105.0	0.10 U	4.2	172.0000	0.20	282.0 B	1.9000	--	--	167.8	5.66	6.10	0.7	766.0
3/20	105.0	0.10 U	7.8	178.0000	0.49	302.0	1.5000	--	--	190.5	5.79	6.10	953.0	788.0
8/20	41.7	0.10 U	13.2	180.0000	1.16	302.0	1.3500	--	--	158.6	6.45	5.99	681.0	864.0
3/21	102.0	0.10 U	3.0 U	213.0000	0.21	318.0	1.3900	--	--	220.1	5.82	6.00	901.0	920.0

Gude Landfill
Monitoring Location MW-19B - General Parameters

Printed 6/22/21

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	6.63	15.5	458.0	--	--	3.90
4/18	7.31	14.5	437.0	--	--	2.60
9/18	7.84	15.3	455.0	--	--	4.20
4/19	9.70	14.0	677.0	41.4	5.720	8.10
8/19	9.30	15.2	614.0	18.0	10.000	9.90
3/20	10.20	13.0	575.0	6.2	2.280	4.10
8/20	44.80	16.0	497.0	6.7	7.130	3.90
3/21	11.60	13.8	507.0	5.0	3.900	9.48

Gude Landfill
Monitoring Location MW-19B - Dissolved Metals

Printed 6/22/21

	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
9/17	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
4/18	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
9/18	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
Monitoring Location MW-19B - Dissolved Metals

Printed 6/22/21

	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		
9/17	0.00	2.0	0.002 U	0.00 U	19.4	0.001 U	0.00 U	0.002 U
4/18	0.00	2.1	0.002 U	0.00 U	20.6	0.001 U	0.00 U	0.002
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.0354	0.0050 U	0.0050 U	65.90	0.0050 U	0.0050 U	0.0050 U	0.4680	0.00500 U	22.900
4/18	0.0050 U	0.0050 U	0.0337	0.0050 U	0.0050 U	69.00	0.0050 U	0.0050 U	0.0050 U	0.1160	0.00500 U	23.300
9/18	0.0050 U	0.0050 U	0.0308	0.0050 U	0.0050 U	67.70	0.0050 U	0.0050 U	0.0050 U	0.0669	0.00500 U	28.900
4/19	0.0010 U	0.0010 U	0.0362	0.0010 U	0.0010 U	64.60	0.0076	0.0010 U	0.0018	0.4710 B	0.00100 U	32.400
8/19	0.0010 U	0.0010 U	0.0336	0.0010 U	0.0010 U	61.50 B	0.0047	0.0010 U	0.0020	0.5160	0.00100 U	31.100
3/20	0.0010 U	0.0010 U	0.0334	0.0010 U	0.0010 U	65.70	0.0010 U	0.0010 U	0.0010 U	0.1030	0.00100 U	33.600
8/20	0.0010 U	0.0010 U	0.0364	0.0010 U	0.0010 U	65.50	0.0015	0.0010 U	0.0016	0.3590	0.00100 U	33.700
3/21	0.0010 U	0.0010 U	0.0340	0.0010 U	0.0010 U	69.00	0.0010 U	0.0010 U	0.0015	0.1470	0.00100 U	35.400

Gude Landfill
Monitoring Location MW-19B - Total Metals

Printed 6/22/21

	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		
9/17	0.03610	0.000200 U	0.0050 U	2.000	0.00500 U	0.0050 U	19.60	0.0050 U	0.00500 U	0.02270
4/18	0.02680	0.000200 U	0.0050 U	2.020	0.00500 U	0.0050 U	19.30	0.0050 U	0.00500 U	0.01920
9/18	0.02590	0.000251	0.0050 U	2.280	0.00500 U	0.0050 U	21.70	0.0050 U	0.00500 U	0.00500 U
4/19	0.04750	0.000315	0.0047	2.470	0.00100 U	0.0010 U	22.90	0.0010 U	0.00100 U	0.01420 B
8/19	0.03110	0.000276	0.0045	2.320	0.00100 U	0.0010 U	22.50 B	0.0010 U	0.00100 U	0.00698 B
3/20	0.03030	0.000224	0.0032	2.440	0.00100 U	0.0010 U	23.30	0.0010 U	0.00100 U	0.00400 U
8/20	0.03130	0.000177	0.0039	2.490	0.00100 U	0.0010 U	23.20	0.0010 U	0.00107	0.00440
3/21	0.02890	0.000173	0.0036	2.410	0.00100 U	0.0010 U	22.70	0.0010 U	0.00100 U	0.00400 U

Gude Landfill
Monitoring Location MW-19B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
9/17	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	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U
9/18	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	1.00 U	1.00 U	1.12
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.10
3/20	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	1.00 U	1.00 U	1.00 U	1.00 U	1.10
8/20	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30
3/21	1.00 U	1.00 U	1.00 U	1.00 U	4.50	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-19B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	6.00 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U

Gude Landfill
Monitoring Location MW-19B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	10.90	1.00 U	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	2.84	1.00 U
4/18	1.00 U	1.00 U	11.00	1.00 U	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	2.30	1.00 U
9/18	1.00 U	1.00 U	11.60	1.00 U	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	2.44	1.00 U
4/19	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	1.20	1.00 U	1.00 U	2.30	1.00 U
8/19	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	1.10	1.00 U	1.00 U	2.20	1.00 U
3/20	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	1.10	1.00 U	1.00 U	2.10	1.00 U
8/20	1.00 U	1.00 U	16.50	1.00 U	1.00 U	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	1.00 U
3/21	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	1.00 U	1.00 U	1.00 U	2.20	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-19B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	3.94	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	4.22	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	4.46	1.15	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	4.90	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	1.00 U	4.80	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	4.60	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-21A - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS							10		1				
9/17	302.0	5.40	14.8	117.0000	0.31	328.0	1.0700	1.08	0.05 U	316.0	6.17	--	956.3
4/18	276.0	3.34	21.6	52.6000	--	249.0	2.5400	2.55	0.05 U	194.0	6.38	--	664.0
9/18	362.0	5.81	23.7	40.5000	--	307.0	0.3570	0.37	0.05 U	72.0	6.28	--	819.4
4/19	452.0	11.90	37.0	106.0000	0.15	366.0	0.2000 U	--	--	1.7	6.29	6.41	14.7
7/19	262.0	7.05	26.3	147.0000	0.15	303.0 B	0.9000	--	--	200.0	6.05	5.91	1025.0
3/20	81.9	4.99	19.1	56.9000	0.51	289.0	1.3600	--	--	58.2	6.22	6.28	702.0
7/20	379.0	8.46	32.8	104.0000	0.64	321.0	0.2600	--	--	24.3	6.12	6.31	1036.0
3/21	479.0	10.80	20.6	58.3000	0.08	361.0	0.0500 U	--	--	-33.2	6.25	6.35	914.0

Gude Landfill

Printed 6/22/21

Monitoring Location MW-21A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
9/17	--	23.40	17.0	508.0	--	--	2.30
4/18	--	34.30	10.7	339.0	--	--	3.50
9/18	--	23.60	25.3	454.0	--	--	6.90
4/19	1120.0	17.00	12.1	624.0	10.7	35.800	8.70
7/19	1100.0	66.10	17.7	633.0	8.8	20.000	3.10
3/20	832.0	174.00	11.3	523.0	12.7	11.400	16.30
7/20	1100.0	18.10	20.7	578.0	72.0	14.100	26.70
3/21	1200.0	12.80	11.4	575.0	16.7	90.000	29.80

Gude Landfill
Monitoring Location MW-21A - Dissolved Metals

Printed 6/22/21

	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
9/17	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
4/18	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
9/18	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

Printed 6/22/21

	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		
9/17	0.01	10.0	0.002 U	0.00 U	59.7	0.001 U	0.00 U	0.014
4/18	0.01	12.3	0.002 U	0.00 U	41.8	0.001 U	0.00 J	0.020
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.2050	0.0050 U	0.0050 U	53.50	0.0050 U	0.0228	0.0050 U	0.5590	0.00500 U	40.100
4/18	0.0050 U	0.0050 U	0.1530	0.0050 U	0.0050 U	53.20	0.0050 U	0.0160	0.0050 U	0.1530	0.00500 U	28.300
9/18	0.0020 U	0.0020 U	0.2020	0.0020 U	0.0020 U	70.10	0.0086	0.0236	0.0072	2.4100	0.00200 U	32.200
4/19	0.0010 U	0.0026	0.4760	0.0010 U	0.0010 U	69.40	0.0020	0.1390	0.0027	18.8000	0.00100 U	46.900
7/19	0.0010 U	0.0010 U	0.3100	0.0010 U	0.0010 U	53.60 B	0.0012	0.0832	0.0054	8.0800	0.00100 U	41.100
3/20	0.0010 U	0.0010 U	0.2130	0.0010 U	0.0010 U	50.70	0.0010 U	0.0670	0.0010 U	6.2900	0.00100 U	39.600
7/20	0.0010 U	0.0016	0.3330	0.0010 U	0.0010 U	59.80	0.0010	0.0759	0.0015	11.7000	0.00100 U	41.600
3/21	0.0010 U	0.0023	0.3550	0.0010 U	0.0010 U	72.40	0.0010 U	0.0783	0.0010 U	23.1000	0.00100 U	43.800

Gude Landfill
Monitoring Location MW-21A - Total Metals

Printed 6/22/21

	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		
9/17	13.80000	0.000200 U	0.0078	9.910	0.00500 U	0.0050 U	67.00	0.0050 U	0.00500 U	0.02870
4/18	6.61000	0.000200 U	0.0108	11.800	0.00500 U	0.0050 U	43.20	0.0050 U	0.00500 U	0.04420
9/18	5.94000	0.000200 U	0.0139	23.500	0.00200 U	0.0020 U	35.70	0.0010 U	0.00234	0.01470
4/19	16.10000	0.000635	0.0263	25.300	0.00100 U	0.0010 U	66.40	0.0013	0.00100 U	0.03950
7/19	13.80000	0.000100 U	0.0185	17.800	0.00100 U	0.0010 U	80.50 B	0.0010 U	0.00100 U	0.01850
3/20	9.83000	0.000100 U	0.0124	13.700	0.00100 U	0.0010 U	50.00	0.0010 U	0.00100 U	0.01160
7/20	10.50000	0.000100 U	0.0128	22.900	0.00100 U	0.0010 U	67.10	0.0010 U	0.00100 U	0.01140
3/21	9.19000	0.000100 U	0.0136	23.200	0.00100 U	0.0010 U	42.70	0.0010 U	0.00100 U	0.01130

Gude Landfill
Monitoring Location MW-21A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)	
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75	
9/17	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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U
9/18	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	1.00 U
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10
7/19	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	1.00 U	1.00 U	1.70	1.00 U	1.50	
3/20	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J
7/20	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.20	1.00 U	1.00 J	
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-21A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.03	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	6.10 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U

Gude Landfill
Monitoring Location MW-21A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	10.00	1.00 U	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	1.79	1.00 U
4/18	1.00 U	1.00 U	3.03	1.00 U	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
9/18	1.00 U	1.00 U	1.00 J	1.00 U	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
4/19	1.00 U	1.00 U	9.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.50	1.00 U
7/19	1.00 U	1.00 U	20.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.40	1.00 U
3/20	1.00 U	1.00 U	5.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.00 U
7/20	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	1.00 U	1.00 U	2.30	1.00 U
3/21	1.00 U	1.00 U	3.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-21A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	4.88	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.92	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	5.60	1.00 U	1.00 U	1.40	1.00 U
7/19	1.00 U	1.00 U	1.00 U	11.30	1.00 U	1.00 U	2.30	1.00 U
3/20	1.00 U	1.00 U	1.00 U	3.50	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	7.70	1.00 U	1.00 U	1.40	1.00 U
3/21	1.00 U	1.00 U	1.00 U	2.30	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-21B - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS							10		1				
9/17	177.0	0.63	11.6	99.8000	--	46.0	0.2000 U	0.20 U	0.05 U	17.0	7.58	--	514.7
4/18	290.0	0.81	17.0	159.0000	1.22	377.0	0.2000 U	0.20 U	0.05 U	-99.0	7.02	--	1093.0
9/18	350.0	0.93	24.5	200.0000	--	373.0	0.2000 U	0.20 U	0.05 U	-130.0	6.59	--	1303.0
4/19	263.0	0.57	27.0	174.0000	0.19	294.0	0.2000 U	--	--	-79.4	6.49	6.50	1324.0
7/19	207.0	0.29	16.5	128.0000	0.30	254.0 B	1.5000	--	--	200.0	6.55	6.35	8.5
3/20	101.0	0.27	14.7	134.0000	1.00	271.0	0.2000 U	--	--	-19.3	6.44	6.60	777.0
7/20	247.0	0.42	25.5	181.0000	0.89	294.0	0.2000 U	--	--	0.0	6.06	6.27	1014.0
3/21	275.0	0.41	14.1	187.0000	0.07	279.0	0.0500 U	--	--	-20.2	6.09	6.22	959.0

Gude Landfill
Monitoring Location MW-21B - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
9/17	--	45.70	21.3	418.0	--	--	38.90
4/18	--	11.50	10.4	479.0	--	--	51.50
9/18	--	6.78	28.6	666.0	--	--	7.90
4/19	952.0	13.40	14.2	621.0	63.4	364.000	25.10
7/19	842.0	40.20	20.9	507.0	22.6	102.000	30.30
3/20	811.0	22.00	13.1	482.0	36.8	141.000	37.90
7/20	1090.0	15.20	19.1	567.0	33.7	135.000	20.00
3/21	1110.0	16.90	13.7	282.0	46.4	86.000	25.34

Gude Landfill
Monitoring Location MW-21B - Dissolved Metals

Printed 6/22/21

	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
9/17	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
4/18	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
9/18	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

Printed 6/22/21

	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		
9/17	0.00 U	32.0	0.002 U	0.00 U	42.3	0.001 U	0.00 U	0.002 U
4/18	0.01	14.5	0.005	0.00 U	53.1	0.001 U	0.00 U	0.003
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.0647	0.0050 U	0.0050 U	61.10	0.0075	0.0050 U	0.0073	5.5500	0.00500 U	21.600
4/18	0.0050 U	0.0050 U	0.1190	0.0050 U	0.0050 U	96.50	0.0050 U	0.0083	0.0061	28.1000	0.00500 U	33.000
9/18	0.0050 U	0.0050 U	0.1990	0.0050 U	0.0050 U	88.80	0.0276	0.0412	0.0266	91.2000	0.01210	36.700
4/19	0.0010 U	0.0020	0.1230	0.0010 U	0.0010 U	66.10	0.0112	0.0676	0.0043	63.1000	0.00115	31.400
7/19	0.0010 U	0.0010 U	0.0750	0.0010 U	0.0010 U	64.70 B	0.0163	0.0310	0.0024	19.0000	0.00100 U	22.600
3/20	0.0010 U	0.0012	0.0789	0.0010 U	0.0010 U	68.40	0.0042	0.0325	0.0051	19.4000	0.00100 U	24.400
7/20	0.0010 U	0.0020	0.1130	0.0010 U	0.0010 U	63.60	0.0030	0.0766	0.0030	50.1000	0.00100 U	32.800
3/21	0.0010 U	0.0020	0.0994	0.0010 U	0.0010 U	60.80	0.0037	0.0611	0.0029	39.8000	0.00100 U	31.000

Gude Landfill
Monitoring Location MW-21B - Total Metals

Printed 6/22/21

	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		
9/17	4.03000	0.000200 U	0.0050 U	30.300	0.00500 U	0.0050 U	46.80	0.0050 U	0.00500 U	0.02830
4/18	5.30000	0.000200 U	0.0066	14.900	0.00500 U	0.0050 U	58.50	0.0050 U	0.00500 U	0.02630
9/18	4.95000	0.000200 U	0.0213	13.000	0.00540	0.0050 U	70.40	0.0050 U	0.00971	0.03600
4/19	6.39000	0.000142	0.0336	8.050	0.00100 U	0.0010 U	60.00	0.0010 U	0.00100 U	0.01050
7/19	4.72000	0.000100 U	0.0265	16.900	0.00100 U	0.0010 U	45.20 B	0.0010 U	0.00100 U	0.00959
3/20	4.32000	0.000100 U	0.0168	11.600	0.00100 U	0.0010 U	42.50	0.0010 U	0.00100 U	0.00794
7/20	5.15000	0.000100 U	0.0330	5.310	0.00100 U	0.0010 U	69.00	0.0010 U	0.00100 U	0.01070
3/21	5.12000	0.000100 U	0.0275	3.920	0.00100 U	0.0010 U	62.30	0.0010 U	0.00100 U	0.01110

Gude Landfill
Monitoring Location MW-21B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
9/17	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	1.00 U	1.00 U	1.00 U
4/18	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	1.30	1.00 U	1.00 U
9/18	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	1.65	1.00 U	1.39
4/19	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	1.00 U	1.00 U	2.40	1.00 U	1.00 U
7/19	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	1.00 U	1.00 U	1.30	1.00 U	1.00 U
3/20	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	1.00 U	1.00 U	1.30	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	9.60	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	3.00	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	10.30	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	3.00	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-21B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.15	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-21B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	5.22	1.00 U	2.63	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	5.18	1.00 U	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
9/18	1.00 U	1.00 U	9.66	1.00 U	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
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	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	1.00 U	1.00 U	1.90	1.00 U
3/20	1.00 U	1.00 U	12.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U
7/20	1.00 U	1.00 U	26.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.60	1.00 U
3/21	1.00 U	1.00 U	25.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-21B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	1.15	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.73	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	2.73	1.00 U	5.00 U	1.20	1.00 U
4/19	1.00 U	1.00 U	1.00 U	11.70	1.00 U	1.00 U	2.40	1.00 U
7/19	1.00 U	1.00 U	1.00 U	6.40	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	9.50	1.00 U	1.00 U	1.20	1.00 U
7/20	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1.00 U	2.70	1.00 U
3/21	1.00 U	1.00 U	1.00 U	16.60	1.00 U	1.00 U	3.50	1.00 U

Gude Landfill
Monitoring Location MW-22A - General Parameters

Printed 6/22/21

	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					
9/17	295.0	0.20 U	10.0 U	137.0000	0.00	410.0	0.2000 U	0.20 U	0.05 U	170.0	6.65	--	1047.0	--
3/18	298.0	0.20 U	11.9	145.0000	--	440.0	0.2000 U	0.20 U	0.05 U	8.0	6.87	--	920.8	--
9/18	305.0	0.20 U	12.2	154.0000	--	430.0	0.2000 U	0.20 U	0.05 U	-12.0	6.68	--	1054.0	--
4/19	360.0	0.10 U	14.0	131.0000	0.02	364.0 B	0.2000 U	--	--	-20.9	6.46	6.39	1291.0	1070.0
7/19	373.0	0.10 U	12.3	141.0000	0.21	372.0 B	0.2000 U	--	--	199.9	6.42	6.21	1018.0	1120.0
3/20	406.0	0.12	7.7	130.0000	0.46	369.0	0.2000 U	--	--	23.4	6.43	6.55	1005.0	1110.0
7/20	373.0	0.11	24.8	143.0000	0.49	397.0	0.2000 U	--	--	-23.1	6.50	6.79	1085.0	1210.0
3/21	377.0	0.10 U	9.9	147.0000	0.01	380.0	0.1260	--	--	-33.4	6.51	6.58	1197.0	1220.0

Gude Landfill
Monitoring Location MW-22A - General Parameters

Printed 6/22/21

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	35.50	16.8	595.0	--	--	23.50
3/18	37.50	13.7	573.0	--	--	8.50
9/18	33.00	27.5	629.0	--	--	5.50
4/19	39.60	13.5	645.0	6.4	20.700	6.50
7/19	37.50	16.2	681.0	36.7	24.100	5.40
3/20	33.20	12.9	667.0	5.0	20.300	3.00
7/20	35.00	17.2	711.0	19.7	4.110	8.30
3/21	37.50	13.5	729.0	55.2	52.700	5.12

Gude Landfill
Monitoring Location MW-22A - Dissolved Metals

Printed 6/22/21

	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
9/17	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
3/18	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
9/18	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		
9/17	0.00	4.4	0.003	0.00 U	71.9	0.001 U	0.00 U	0.002 U
3/18	0.01	4.7	0.005	0.00 U	78.4	0.001 U	0.00 U	0.004
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.0228	0.0050 U	0.0050 U	110.00	0.0050 U	0.0050 U	0.0050 U	4.6900	0.00500 U	30.000
3/18	0.0020 U	0.0020 U	0.0168	0.0020 U	0.0020 U	121.00	0.0029	0.0020 U	0.0020 U	4.0300	0.00200 U	28.900
9/18	0.0020 U	0.0020	0.0186	0.0020 U	0.0020 U	124.00	0.0037	0.0020 U	0.0028	4.2600	0.00200 U	29.300
4/19	0.0010 U	0.0010 U	0.0219	0.0010 U	0.0010 U	85.40 B	0.0010 U	0.0011	0.0010 U	4.2500	0.00100 U	36.600
7/19	0.0010 U	0.0016	0.0238	0.0010 U	0.0010 U	91.00 B	0.0020	0.0014	0.0021	8.6800	0.00100 U	35.300
3/20	0.0010 U	0.0010 U	0.0278	0.0010 U	0.0013	86.70	0.0010 U	0.0031	0.0023	3.3900	0.00100 U	38.500
7/20	0.0010 U	0.0010 U	0.0216	0.0010 U	0.0010 U	98.30	0.0011	0.0010 J	0.0010 U	4.9900	0.00100 U	36.900
3/21	0.0010 U	0.0016	0.0257	0.0010 U	0.0010 U	96.20	0.0062	0.0016	0.0039	9.3300	0.00292	33.800

Gude Landfill
Monitoring Location MW-22A - Total Metals

Printed 6/22/21

	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		
9/17	0.73700	0.000200 U	0.0050 U	4.450	0.00500 U	0.0050 U	57.90	0.0050 U	0.00500 U	0.02030
3/18	0.62000	0.000200 U	0.0033	4.310	0.00534	0.0020 U	58.50	0.0010 U	0.00200 U	0.00235
9/18	0.72100	0.000200 U	0.0037	4.350	0.00440	0.0020 U	59.40	0.0010 U	0.00200 U	0.01120
4/19	1.73000	0.000100 U	0.0049	4.930	0.00100 U	0.0010 U	83.20	0.0010 U	0.00100 U	0.00479
7/19	1.93000	0.000100 U	0.0058	5.100	0.00100 U	0.0010 U	85.20 B	0.0010 U	0.00100 U	0.00400 U
3/20	2.52000	0.000100 U	0.0085	5.130	0.00100 U	0.0010 U	107.00	0.0010 U	0.00100 U	0.00429
7/20	1.36000	0.000100 U	0.0063	5.220	0.00100 U	0.0010 U	86.30	0.0010 U	0.00100 U	0.00400 U
3/21	1.24000	0.000100 U	0.0056	4.900	0.00100 U	0.0010 U	75.90	0.0010 U	0.00177	0.00583

Gude Landfill
Monitoring Location MW-22A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
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	1.00 U	1.00 U	1.00 U
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
9/18	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.30
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-22A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.50	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-22A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	5.65	1.00 U	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
3/18	1.00 U	1.00 U	6.51	1.00 U	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
9/18	1.00 U	1.00 U	4.87	1.00 U	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
4/19	1.00 U	1.00 U	4.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	7.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
3/20	1.00 U	1.00 U	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	1.00 U	1.00 U
7/20	1.00 U	1.00 U	5.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	4.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-22A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	5.21	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	4.82	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	3.08	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	3.40	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	1.00 U	3.80	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	2.90	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	3.60	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	3.70	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-22B - General Parameters

Printed 6/22/21

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Disolved 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					
9/17	328.0	0.20 U	10.0 U	125.0000	0.00	400.0	0.2000 U	0.20 U	0.05 U	150.0	6.91	--	959.6	--
3/18	323.0	0.20 U	10.1	129.0000	--	412.0	0.2000 U	0.20 U	0.05 U	-32.0	6.84	--	940.2	--
9/18	298.0	0.20 U	10.2	133.0000	--	392.0	0.2000 U	0.20 U	0.05 U	-34.0	6.80	--	967.1	--
4/19	283.0	0.10 U	8.0	120.0000	0.37	343.0 B	0.2000 U	--	--	-57.1	6.90	6.75	1162.0	953.0
7/19	289.0	0.10 U	18.6	127.0000	0.43	320.0 B	0.4000	--	--	200.0	6.87	6.11	918.0	954.0
3/20	285.0	0.10 U	3.0 U	123.0000	0.58	340.0	0.2000 U	--	--	-46.3	6.88	6.94	830.0	932.0
7/20	262.0	0.10 U	19.8	117.0000	0.66	320.0	0.2000 U	--	--	61.5	6.91	7.10	970.0	943.0
3/21	254.0	0.10 U	3.3	123.0000	6.00	304.0	0.0760	--	--	173.8	7.28	7.34	897.0	935.0

Gude Landfill
Monitoring Location MW-22B - General Parameters

Printed 6/22/21

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	43.50	18.1	615.0	--	--	344.10
3/18	36.80	15.2	557.0	--	--	0.00
9/18	29.80	20.4	574.0	--	--	1.90
4/19	75.10	15.4	599.0	10.2	33.100	6.00
7/19	37.20	19.0	585.0	8.6	15.300	9.40
3/20	34.10	13.0	540.0	6.8	31.200	8.90
7/20	31.30	23.2	572.0	8.9	15.800	16.00
3/21	33.70	12.3	556.0	10.4	10.500	16.11

Gude Landfill
Monitoring Location MW-22B - Dissolved Metals

Printed 6/22/21

	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
9/17	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
3/18	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
9/18	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

Printed 6/22/21

	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		
9/17	0.01	9.3	0.003	0.00 U	84.5	0.001 U	0.00 U	0.002 U
3/18	0.01	8.6	0.005	0.00 U	67.4	0.001 U	0.00 U	0.003
9/18	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 6/22/21

	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	
9/17	0.0020 U	0.0052	0.0561	0.0020 U	0.0020 U	109.00	0.0025	0.0020 U	0.0020 U	2.1300	0.00200 U	26.500
3/18	0.0020 U	0.0122	0.0436	0.0020 U	0.0020 U	118.00	0.0032	0.0020 U	0.0020 U	2.5500	0.00200 U	24.100
9/18	0.0020 U	0.0067	0.0409	0.0020 U	0.0020 U	114.00	0.0024	0.0020 U	0.0020 U	1.8700	0.00200 U	26.000
4/19	0.0010 U	0.0085	0.0355	0.0010 U	0.0010 U	89.80 B	0.0026	0.0011	0.0010 U	3.5500	0.00100 U	28.900
7/19	0.0010 U	0.0046	0.0335	0.0010 U	0.0010 U	85.00 B	0.0038	0.0010 U	0.0015	1.5000	0.00100 U	26.100
3/20	0.0010 U	0.0098	0.0357	0.0010 U	0.0010 U	89.70	0.0013	0.0010 U	0.0010 U	3.5500	0.00100 U	27.800
7/20	0.0011	0.0054	0.0330	0.0010 U	0.0010 U	83.90	0.0045	0.0010 U	0.0025	2.1300	0.00100 U	26.900
3/21	0.0010 U	0.0043	0.0295	0.0010 U	0.0010 U	81.10	0.0018	0.0010 U	0.0034	1.4600	0.00100 U	24.700

Gude Landfill
Monitoring Location MW-22B - Total Metals

Printed 6/22/21

	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		
9/17	0.84300	0.000200 U	0.0068	9.510	0.00262	0.0020 U	73.20	0.0010 U	0.00200 U	0.00250
3/18	0.78900	0.000200 U	0.0064	8.290	0.00483	0.0020 U	66.90	0.0010 U	0.00200 U	0.00284
9/18	0.65800	0.000200 U	0.0061	7.660	0.00351	0.0020 U	55.50	0.0010 U	0.00200 U	0.00511
4/19	0.60800	0.000100 U	0.0047	7.340	0.00100 U	0.0010 U	57.10	0.0010 U	0.00100 U	0.01110
7/19	0.52200	0.000100 U	0.0049	6.930	0.00100 U	0.0010 U	51.40 B	0.0010 U	0.00100 U	0.00552
3/20	0.56600	0.000100 U	0.0035	7.270	0.00100 U	0.0010 U	52.60	0.0010 U	0.00100 U	0.00446
7/20	0.48600	0.000100 U	0.0070	6.820	0.00100 U	0.0010 U	51.00	0.0010 U	0.00100 U	0.00445
3/21	0.23400	0.000100 U	0.0038	6.420	0.00100 U	0.0010 U	45.00	0.0010 U	0.00100 U	0.00635

Gude Landfill
Monitoring Location MW-22B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)	
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75	
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U
9/18	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	1.00 U
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-22B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	6.50 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-22B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	4.84	1.00 U	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
3/18	1.00 U	1.00 U	4.22	1.00 U	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
9/18	1.00 U	1.00 U	2.81	1.00 U	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
4/19	1.00 U	1.00 U	4.10	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	1.00 U	1.00 U	1.00 U
7/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location MW-22B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	2.50	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.91	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.98	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-23A - General Parameters

Printed 6/22/21

	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					
9/17	27.0	0.20 U	10.0 U	56.8000	--	100.0	3.3000	3.31	0.05 U	485.0	5.21	--	252.5	--
3/18	27.5	0.20 U	10.0 U	64.2000	--	144.0	3.0100	3.06	0.05 U	333.0	5.30	--	257.8	--
9/18	26.5	0.20 U	10.0 U	69.2000	--	89.4	3.4400	3.45	0.05 U	243.0	5.33	--	291.5	--
4/19	27.1	0.10 U	4.0	83.4000	1.79	102.0	4.0000	--	--	280.1	5.27	5.42	434.3	359.0
8/19	25.6	0.16	3.0 U	97.6000	1.56	106.0 B	4.0000	--	--	321.6	4.92	5.42	0.4	411.0
3/20	61.0	0.10 U	20.8	28.3000	0.66	81.6	0.1300 J	--	--	-153.5	6.78	6.80	216.2	209.0
8/20	69.6	0.10 U	16.7	94.1000	0.63	179.0	0.4500	--	--	55.6	6.24	6.37	420.0	486.0
3/21	63.5	0.19	38.0	34.2000	1.78	62.1	0.4910	--	--	20.1	6.76	7.29	270.9	222.0

Gude Landfill
Monitoring Location MW-23A - General Parameters

Printed 6/22/21

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	4.00 U	19.2	195.0	--	--	39.20
3/18	4.00 U	14.4	226.0	--	--	11.10
9/18	4.00 U	27.6	210.0	--	--	42.70
4/19	3.20	16.1	260.0	498.0	119.000	140.70
8/19	4.20	11.3	304.0	122.0	43.600	31.62
3/20	5.48	17.3	121.0	7.1	7.290	3.30
8/20	11.90	16.9	277.0	188.0	37.400 O-	70.40
3/21	6.00	17.2	159.0	50.4	78.800	0.97

Gude Landfill

Printed 6/22/21

Monitoring Location MW-23A - 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
9/17	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
3/18	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
9/18	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 6/22/21

	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		
9/17	0.00 U	2.6	0.002 U	0.00 U	18.9	0.001 U	0.00 U	0.005
3/18	0.00	2.5	0.002 U	0.00 U	18.7	0.001 U	0.00 U	0.007
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0050 U	0.0939	0.0050 U	0.0050 U	14.70	0.0050 U	0.0050 U	0.0050 U	0.9770	0.00500 U	12.600
3/18	0.0050 U	0.0050 U	0.0946	0.0050 U	0.0050 U	15.40	0.0083	0.0050 U	0.0050 U	4.3000	0.00500 U	13.100
9/18	0.0050 U	0.0050 U	0.1020	0.0050 U	0.0050 U	13.80	0.0059	0.0050 U	0.0050 U	2.3100	0.00500 U	13.400
4/19	0.0010 U	0.0010 U	0.1520	0.0010 U	0.0010 U	12.50	0.0154	0.0060	0.0017	5.6000	0.00273	17.300
8/19	0.0010 U	0.0010 U	0.1370	0.0010 U	0.0010 U	13.20 B	0.0102	0.0043	0.0012	3.1500	0.00225	17.700
3/20	0.0010 U	0.0010 U	0.0143	0.0010 U	0.0010 U	14.00	0.0160	0.0011	0.0011	1.0700	0.00100 U	11.300
8/20	0.0010 U	0.0010 U	0.0064	0.0010 U	0.0010 U	21.20	0.0040	0.0035	0.0041	6.1400	0.00100 U	30.600
3/21	0.0014	0.0010 U	0.0666	0.0010 U	0.0010 U	13.90	0.0155	0.0027	0.0163	5.0100	0.00483	6.680

Gude Landfill
Monitoring Location MW-23A - Total Metals

Printed 6/22/21

	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		
9/17	0.07340	0.000698	0.0050 U	2.710	0.00500 U	0.0050 U	18.70	0.0050 U	0.00500 U	0.02620
3/18	0.07360	0.000601	0.0084	2.680	0.00500 U	0.0050 U	17.10	0.0050 U	0.00620	0.03620
9/18	0.07020	0.000526	0.0050 U	3.050	0.00500 U	0.0050 U	21.50	0.0050 U	0.00500 U	0.00915
4/19	0.11300	0.000827	0.0125	3.420	0.00224	0.0010 U	27.20 B	0.0010 U	0.00802	0.02030
8/19	0.08910	0.000549	0.0078	3.550	0.00105	0.0010 U	27.80 B	0.0010 U	0.00307	0.02040 B
3/20	0.10400	0.000100 U	0.0112	10.800	0.00100 U	0.0010 U	13.70	0.0010 U	0.00100 U	0.03830
8/20	0.48400	0.000100 U	0.0055	2.140	0.00100 U	0.0010 U	19.70	0.0010 U	0.00100 U	0.01710
3/21	0.12000	0.000100 U	0.0206	8.870	0.00100 U	0.0010 U	13.20	0.0010 U	0.00533	0.14400 QB

Gude Landfill
Monitoring Location MW-23A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)	
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75	
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U
9/18	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	1.14
4/19	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	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-23A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.20 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	7.10	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.40	5.00 U	1.00 U	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 MW-23A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.15	1.00 U	3.43	1.00 U	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	2.14	1.00 U
3/18	1.00 U	1.00 U	4.53	1.00 U	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	2.91	1.00 U
9/18	1.00 U	1.00 U	4.32	1.00 U	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	1.86	1.00 U
4/19	1.00 U	1.00 U	4.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.90	1.00 U
8/19	1.00 U	1.00 U	4.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	2.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 MW-23A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	1.89	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.85	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.52	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-23B - General Parameters

Printed 6/22/21

	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					
9/17	49.0	0.20 U	10.0 U	71.5000	0.00	144.0	0.2000 U	0.20 U	0.05 U	189.0	6.70	--	334.6	--
3/18	56.8	0.20 U	10.0 U	78.6000	--	180.0	0.2400	0.25	0.05 U	18.0	7.00	--	338.7	--
9/18	54.1	0.20 U	10.0 U	88.4000	--	150.0	0.2000 U	0.20 U	0.05 U	-13.0	6.61	--	393.1	--
4/19	83.9	0.10 U	4.0	89.0000	0.13	160.0	0.3000	--	--	-25.5	6.66	6.78	541.0	446.0
8/19	63.0	0.10 U	11.5	65.8000	3.08	117.0 B	0.2000 U	--	--	133.1	6.61	6.89	0.3	347.0
3/20	24.1	0.10 U	3.0 U	92.3000	1.93	129.0	3.9100	--	--	261.1	5.02	5.45	524.0	408.0
8/20	20.2	0.10 U	19.9	92.8000	1.92	122.0	3.5500	--	--	264.0	5.31	5.30	380.2	412.0
3/21	24.4	0.10 U	3.0 U	95.0000	1.92	123.0	3.4600	--	--	254.2	5.22	5.44	386.4	410.0

Gude Landfill
Monitoring Location MW-23B - General Parameters

Printed 6/22/21

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/17	9.73	16.4	222.0	--	--	0.80
3/18	12.60	13.2	268.0	--	--	3.90
9/18	9.81	24.9	225.0	--	--	0.00
4/19	7.60	14.7	285.0	34.3	10.000	9.90
8/19	8.60	17.4	205.0	69.8	9.560	0.70
3/20	6.00	16.5	267.0	307.0	91.800	9.60
8/20	4.05	18.5	256.0	1670.0	82.000	120.10
3/21	4.20	17.8	247.0	664.0	34.500	77.50

Gude Landfill
Monitoring Location MW-23B - Dissolved Metals

Printed 6/22/21

	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
9/17	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
3/18	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
9/18	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

Printed 6/22/21

	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		
9/17	0.00 U	1.5	0.002 U	0.00 U	13.5	0.001 U	0.00 U	0.003
3/18	0.00	1.7	0.002	0.00 U	15.8	0.001 U	0.00 U	0.006
9/18	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 6/22/21

	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	
9/17	0.0020 U	0.0020 U	0.0027	0.0020 U	0.0020 U	16.40	0.0020 U	0.0020 U	0.0020 U	0.6100	0.00200 U	18.600
3/18	0.0020 U	0.0020 U	0.0044	0.0020 U	0.0020 U	20.00	0.0024	0.0020 U	0.0020 U	0.6850	0.00200 U	21.100
9/18	0.0020 U	0.0020 U	0.0038	0.0020 U	0.0020 U	22.80	0.0036	0.0020 U	0.0028	1.4500	0.00200 U	22.600
4/19	0.0010 U	0.0010 U	0.0052	0.0010 U	0.0010 U	21.30	0.0056	0.0031	0.0023	2.4500	0.00100 U	26.000
8/19	0.0010 U	0.0010 U	0.0109	0.0010 U	0.0010 U	16.10 B	0.0058	0.0012	0.0045	0.4690	0.00107	18.500
3/20	0.0010 U	0.0010 U	0.1690	0.0010 U	0.0010 U	16.20	0.0410	0.0082	0.0010 U	8.4000	0.00396	21.400
8/20	0.0010 U	0.0010 U	0.1490	0.0010 U	0.0010 U	15.70	0.0157	0.0052	0.0022	5.0400	0.00307	20.200
3/21	0.0010 U	0.0011	0.1820	0.0010 U	0.0010 U	15.70	0.0259	0.0082	0.0047	9.9600	0.00512	20.300

Gude Landfill
Monitoring Location MW-23B - Total Metals

Printed 6/22/21

	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		
9/17	0.11300	0.000200 U	0.0020 U	1.440	0.00200 U	0.0020 U	13.70	0.0010 U	0.00200 U	0.00358
3/18	0.15500	0.000200 U	0.0025	1.660	0.00200 U	0.0020 U	15.40	0.0010 U	0.00200 U	0.00632
9/18	0.18000	0.000200 U	0.0033	1.770	0.00200 U	0.0020 U	15.70	0.0010 U	0.00200 U	0.00594
4/19	0.58900	0.000100 U	0.0052	1.990	0.00100 U	0.0010 U	21.80 B	0.0010 U	0.00100 U	0.00668
8/19	0.05610	0.000100 U	0.0046	4.350	0.00100 U	0.0010 U	16.20 B	0.0010 U	0.00100 U	0.03780 B
3/20	0.14100	0.000646	0.0303	3.850	0.00139	0.0010 U	27.70	0.0010 U	0.01050	0.02690
8/20	0.10100	0.000628	0.0117	3.630	0.00123	0.0010 U	28.50	0.0010 U	0.00779	0.02330
3/21	0.12900	0.000543	0.0245	3.740	0.00100 U	0.0010 U	23.70	0.0010 U	0.01230	0.08060

Gude Landfill
Monitoring Location MW-23B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)	
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75	
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U
9/18	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	1.00 U
4/19	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	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location MW-23B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.30 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 MW-23B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
3/18	1.00 U	1.00 U	1.23	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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	1.74
4/19	1.00 U	1.00 U	3.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U
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	1.00 U	1.00 U
3/20	1.00 U	1.00 U	4.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U
8/20	1.00 U	1.00 U	4.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U
3/21	1.00 U	1.00 U	4.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U

Gude Landfill
Monitoring Location MW-23B - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U
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
3/20	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 MW-24A - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS							10		1				
9/17	125.0	0.32	24.3	280.0000	0.33	480.0	0.4000 U	0.40 U	0.10 U	140.0	5.99	--	1130.0
4/18	151.0	0.30	28.8	297.0000	--	224.0	0.2000 U	0.20 U	0.05 U	-8.0	5.99	--	1011.0
9/18	156.0	0.46	30.6	305.0000	--	422.0	0.2000 U	0.20 U	0.05 U	-50.0	5.81	--	1157.0
4/19	177.0	0.59	39.0	324.0000	0.07	449.0 B	0.3000	--	--	-27.2	5.92	6.08	1575.0
7/19	151.0	0.46	36.0	321.0000	0.25	445.0	0.2000 U	--	--	200.0	5.85	2.67	1246.0
3/20	169.0	0.50	23.1	333.0000	0.38	456.0	0.2000 U	--	--	-7.7	5.85	6.07	1318.0
7/20	160.0	0.56	41.7	323.0000	0.49	469.0	0.2000 U	--	--	-105.0	5.82	6.00	1304.0
3/21	178.0	0.64	29.6	356.0000	0.07	449.0	0.0500 U	--	--	-22.3	5.84	5.98	1368.0

Gude Landfill
Monitoring Location MW-24A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
	MCL/ GWPS						
9/17	--	4.00 U	18.2	720.0	--	--	2.80
4/18	--	4.00 U	13.4	572.0	--	--	7.10
9/18	--	4.00 U	19.2	686.0	--	--	0.00
4/19	1290.0	1.00 U	18.3	1090.0	41.2	7.010	4.00
7/19	1270.0	10.30	19.4	1010.0	8.9	0.500 U	0.00
3/20	1330.0	0.77 J	18.1	754.0	2.3 U	6.020	0.00
7/20	1380.0	0.87 J	21.7	731.0	13.1	84.800	9.90
3/21	1450.0	0.30 U	18.3	664.0	384.0	10.600	7.66

Gude Landfill
Monitoring Location MW-24A - Dissolved Metals

Printed 6/22/21

	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
9/17	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
4/18	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
9/18	0.002 U	0.007	0.278	0.002 U	0.002 U	70.1	0.01	0.06	0.002 U	23.3	0.002 U	60.9	7.200	0.0002 U

Gude Landfill
Monitoring Location MW-24A - Dissolved Metals

Printed 6/22/21

	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		
9/17	0.02	3.9	0.021	0.00 U	36.0	0.001 U	0.00 U	0.002
4/18	0.03	4.3	0.010	0.00 U	35.5	0.001 U	0.00 U	0.003
9/18	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 6/22/21

	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	
9/17	0.0020 U	0.0053	0.2580	0.0020 U	0.0020 U	64.20	0.0031	0.0525	0.0020 U	22.3000	0.00200 U	56.000
4/18	0.0020 U	0.0070	0.2440	0.0020 U	0.0020 U	66.10	0.0044	0.0550	0.0020 U	21.6000	0.00200 U	54.500
9/18	0.0020 U	0.0064	0.2790	0.0020 U	0.0020 U	69.10	0.0041	0.0568	0.0020 U	23.3000	0.00200 U	60.600
4/19	0.0010 U	0.0049	0.2980	0.0010 U	0.0010 U	63.40 B	0.0031	0.0625	0.0010 U	25.8000	0.00100 U	70.600
7/19	0.0010 U	0.0053	0.2880	0.0010 U	0.0010 U	65.70	0.0046	0.0637	0.0101	23.3000	0.00100 U	68.200
3/20	0.0010 U	0.0050	0.2870	0.0010 U	0.0010 U	67.90	0.0016	0.0633	0.0010 U	22.6000	0.00100 U	69.600
7/20	0.0010 U	0.0051	0.2970	0.0010 U	0.0010 U	68.80	0.0034	0.0687	0.0010 U	23.0000	0.00100 U	72.200
3/21	0.0010 U	0.0049	0.2800	0.0010 U	0.0010 U	66.40	0.0028	0.0655	0.0024	22.3000	0.00100 U	68.900

Gude Landfill
Monitoring Location MW-24A - Total Metals

Printed 6/22/21

	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		
9/17	6.31000	0.000200 U	0.0247	3.940	0.01600	0.0020 U	35.90	0.0010 U	0.00200 U	0.00327
4/18	6.50000	0.000200 U	0.0280	4.230	0.00972	0.0020 U	36.20	0.0010 U	0.00200 U	0.00200 U
9/18	7.22000	0.000200 U	0.0285	4.670	0.00786	0.0020 U	39.40	0.0010 U	0.00200 U	0.00529
4/19	8.95000	0.000100 U	0.0327	5.140	0.00100 U	0.0010 U	53.60	0.0010 U	0.00100 U	0.00400 U
7/19	9.22000	0.000100 U	0.0360	4.950	0.00100 U	0.0010 U	49.50	0.0010 U	0.00100 U	0.00400 U
3/20	9.19000	0.000100 U	0.0339	5.090	0.00100 U	0.0010 U	49.50	0.0010 U	0.00100 U	0.00400 U
7/20	10.00000	0.000100 U	0.0373	5.340	0.00100 U	0.0010 U	51.10	0.0010 U	0.00100 U	0.00422
3/21	9.82000	0.000100 U	0.0359	5.120	0.00100 U	0.0010 U	48.10	0.0010 U	0.00100 U	0.01120

Gude Landfill
Monitoring Location MW-24A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
9/17	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	1.13	1.00 U	11.00
4/18	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	1.00 U	1.00 U	7.50
9/18	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	1.00 U	1.00 U	10.40
4/19	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	1.10	1.00 U	1.00 U	1.00 U	13.50
7/19	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	1.00 U	1.00 U	1.00 U	1.00 U	12.40
3/20	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	1.10	1.00 U	1.10	1.00 U	14.10
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	13.50
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.10	1.00 U	1.00 U	1.00 U	15.30

Gude Landfill
Monitoring Location MW-24A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.81	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.86	1.06
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.35	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.80	1.08
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.51	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.10	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	8.90 B	5.00 U	4.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.50	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.60	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.60	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.50	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.90	1.00 U

Gude Landfill
Monitoring Location MW-24A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	8.36	1.00 U	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
4/18	1.00 U	1.00 U	4.10	1.00 U	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
9/18	1.00 U	1.00 U	2.09	1.00 U	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	2.09
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	5.70
7/19	1.00 U	1.00 U	7.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10
3/20	1.00 U	1.00 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	1.00 U	1.00 U	1.30
7/20	1.00 U	1.00 U	4.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10
3/21	1.00 U	1.00 U	3.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-24A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	2.20	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	11.20	1.00 U
4/18	1.79	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	7.51	1.00 U
9/18	2.03	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	6.37	1.00 U
4/19	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U
7/19	2.30	1.00 U	1.00 U	1.30	1.00 U	1.00 U	11.10	1.00 U
3/20	2.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.50	1.00 U
7/20	2.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.50	1.00 U
3/21	1.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	12.70	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location MW-24B - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS							10		1				
9/17	262.0	0.20 U	42.7	267.0000	--	770.0	0.4000 U	0.40 U	0.10 U	62.0	6.74	--	1235.0
4/18	303.0	0.20 U	44.5	268.0000	--	581.0	0.2000 U	0.20 U	0.05 U	-88.0	6.82	--	1206.0
9/18	306.0	0.20 U	30.1	279.0000	--	550.0	0.2000 U	0.20 U	0.05 U	-91.0	6.65	--	1323.0
4/19	296.0	0.10 U	43.0	293.0000	0.08	567.0 B	0.6000	--	--	-108.4	6.52	6.52	1772.0
7/19	295.0	0.10 U	45.1	300.0000	0.21	545.0	0.2000 U	--	--	200.0	6.43	6.61	1374.0
3/20	322.0	0.10 U	22.3	315.0000	0.40	571.0	0.6400	--	--	-81.6	6.42	6.40	1440.0
7/20	295.0	0.17	46.9	296.0000	0.75	555.0	0.2000 U	--	--	-87.9	6.50	6.52	1418.0
3/21	303.0	0.13	31.4	331.0000	0.05	569.0	0.0500 U	--	--	-104.9	6.36	6.50	1471.0

Gude Landfill Monitoring Location MW-24B - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
9/17	--	4.00 U	20.2	698.0	--	--	10.70
4/18	--	4.21	14.6	619.0	--	--	6.00
9/18	--	7.26	19.9	807.0	--	--	6.90
4/19	1370.0	1.00 U	16.5	986.0	54.2	127.000	24.40
7/19	1400.0	1.00 U	17.3	981.0	59.4	245.000	5.70
3/20	1480.0	1.00 U	16.8	822.0	15.4	166.000	3.20
7/20	1520.0	1.00 U	23.4	774.0	30.9	264.000	20.90
3/21	1570.0	0.30 U	16.8	843.0	55.7	144.000	0.65

Gude Landfill
Monitoring Location MW-24B - Dissolved Metals

Printed 6/22/21

	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
9/17	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
4/18	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
9/18	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 6/22/21

	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		
9/17	0.01	3.1	0.006	0.00 U	27.7	0.001 U	0.00 U	0.002 U
4/18	0.01	3.6	0.010	0.00 U	27.2	0.001 U	0.00 U	0.003
9/18	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 6/22/21

	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	
9/17	0.0050 U	0.0304	0.1830	0.0050 U	0.0050 U	105.00	0.0050 U	0.0433	0.0052	44.8000	0.00500 U	77.600
4/18	0.0050 U	0.0278	0.1930	0.0050 U	0.0050 U	106.00	0.0050 U	0.0455	0.0050 U	47.4000	0.00500 U	76.800
9/18	0.0020 U	0.0350	0.1710	0.0020 U	0.0020 U	101.00	0.0037	0.0488	0.0020 U	43.7000	0.00200 U	72.200
4/19	0.0010 U	0.0323	0.1900	0.0010 U	0.0010 U	89.70 B	0.0034	0.0516	0.0010 U	47.8000	0.00100 U	83.300
7/19	0.0010 U	0.0309	0.1740	0.0010 U	0.0010 U	89.10	0.0044	0.0479	0.0032	44.7000	0.00100 U	78.400
3/20	0.0010 U	0.0314	0.1890	0.0010 U	0.0010 U	94.40	0.0010 U	0.0517	0.0010 U	47.7000	0.00100 U	81.500
7/20	0.0010 U	0.0309	0.1840	0.0010 U	0.0010 U	90.60	0.0061	0.0518	0.0063	46.4000	0.00100 U	79.800
3/21	0.0010 U	0.0326	0.2050	0.0010 U	0.0010 U	93.90	0.0022	0.0550	0.0012	48.1000	0.00100 U	81.400

Gude Landfill
Monitoring Location MW-24B - Total Metals

Printed 6/22/21

	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		
9/17	3.49000	0.000200 U	0.0138	3.680	0.00500 U	0.0050 U	29.20	0.0050 U	0.00500 U	0.01840
4/18	3.77000	0.000200 U	0.0174	3.840	0.00712	0.0050 U	29.10	0.0050 U	0.00500 U	0.02580
9/18	3.55000	0.000200 U	0.0132	3.600	0.00815	0.0020 U	27.90	0.0010 U	0.00200 U	0.00200 U
4/19	4.41000	0.000100 U	0.0169	3.920	0.00100 U	0.0010 U	34.80	0.0010 U	0.00100 U	0.00400 U
7/19	3.99000	0.000100 U	0.0167	3.700	0.00100 U	0.0010 U	32.10	0.0010 U	0.00100 U	0.01160 B
3/20	4.33000	0.000100 U	0.0142	4.140	0.00100 U	0.0010 U	34.00	0.0010 U	0.00100 U	0.00400 U
7/20	4.26000	0.000100 U	0.0307	4.560	0.00100 U	0.0010 U	33.40	0.0010 U	0.00100 U	0.02970
3/21	4.33000	0.000100 U	0.0156	3.980	0.00100 U	0.0010 U	34.40	0.0010 U	0.00100 U	0.00445

Gude Landfill
Monitoring Location MW-24B - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)	
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75	
9/17	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	1.00 U	1.00 U	1.00 U	9.29
4/18	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	1.02	1.00 U	1.00 U	11.60
9/18	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	1.01	1.00 U	1.00 U	8.09
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	13.10
7/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	12.50
3/20	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	13.30
7/20	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.40
3/21	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	14.80

Gude Landfill
Monitoring Location MW-24B - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/17	1.00 U	40.30	5.00 U	5.00 U	32.80	5.00 U	4.28	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.40	1.00 U
4/18	1.00 U	8.50	5.00 U	5.00 U	7.68	5.00 U	4.59	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.89	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.19	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.41	1.00 U
4/19	1.00 U	25.20	5.00 U	5.00 U	44.30 B	5.00 U	5.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	8.20	5.00 U	5.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.50	2.20

Gude Landfill
Monitoring Location MW-24B - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/17	1.00 U	1.00 U	1.46	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	106.00
4/18	1.00 U	1.00 U	1.10	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	43.60
9/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.17	1.00 U	1.00 U	12.40
4/19	1.00 U	1.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1.00 U	76.40
7/19	1.00 U	1.00 U	2.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U	1.00 U	28.50
3/20	1.00 U	1.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U	1.00 U	3.00
7/20	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location MW-24B - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/17	2.78	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.38
4/18	3.10	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.38
9/18	2.63	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.17
4/19	3.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.10
7/19	3.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.40
3/20	3.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.40
7/20	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	2.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U

Gude Landfill
Monitoring Location OB01 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	81.6790	0.005 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	85.7567	0.004	--	--	--	--	--	--	--	--	--
3/02	--	--	--	89.0149	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	98.5932	0.002	--	--	--	--	--	--	--	--	--
6/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.044
10/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.067
3/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.037
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.047
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.051
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.042
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.041
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.037
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	104.0	0.20 U	10.0 U	196.0000	--	--	330.0	1.6700	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	103.0	0.20 U	5.1 J	241.0000	--	--	350.0	1.9070 HT	1.91 HT	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB01 - General Parameters

Printed 6/22/21

	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)
4/11	93.0	0.20 U	6.9	262.0000	--	--	364.0	1.7900	1.80	0.05 U	--	--	--	--
9/11	112.0	0.20 U	10.0 U	291.0000	--	--	390.0	1.3400	1.35	0.05 U	--	--	--	--
3/12	100.0	0.20 U	5.4	322.0000	--	--	420.0	1.5600	1.57	0.05 U	--	--	--	--
9/12	73.0	0.20 U	10.0 U	284.0000	--	--	342.0	2.1300	2.18	0.05 U	--	--	--	--
4/13	80.0	0.20 U	10.0 U	291.0000	--	0.07	346.0	2.2100	2.22	0.05 U	410.0	5.87	--	--
9/13	66.0	0.20 U	10.0 U	303.0000	--	0.04	356.0	2.2800	2.29	0.05 U	391.0	5.46	--	--
3/14	86.0	0.20 U	10.0 U	379.0000	--	0.08	440.0	2.2800	--	--	370.0	5.67	--	--
9/14	77.0	0.20 U	10.0 U	411.0000	--	1.36	472.0	2.1100	2.12	0.05 U	391.0	5.65	--	--
3/15	81.0	0.20 U	10.0 U	430.0000	--	0.00	520.0	2.4700	2.52	0.05 U	245.0	5.77	--	--
8/15	70.0	0.20 U	10.0 U	421.0000	--	1.25	504.0	2.5900	2.60	0.05 U	234.0	5.70	--	--
3/16	72.0	0.20 U	10.0 U	456.0000	--	0.00	452.0	2.5700	2.58	0.05 U	379.0	5.74	--	--
9/16	70.0	0.20 U	10.0 U	481.0000	--	--	520.0	2.2900	2.30	0.05 U	373.0	5.78	--	--
3/17	57.0	0.20 U	10.0 U	411.0000	--	0.32	368.0	2.6000	2.61	0.05 U	385.0	5.68	--	--
9/17	72.0	0.20 U	10.0 U	397.0000	--	0.27	420.0	2.5700	2.58	0.05 U	401.0	5.72	--	--
4/18	51.4	0.20 U	10.0 U	464.0000	--	--	431.0	2.7800	2.79	0.05 U	253.0	5.70	--	--
9/18	67.0	0.20 U	10.0 U	520.0000	--	--	514.0	2.3500	2.36	0.05 U	253.0	5.66	--	--
4/19	79.7	0.10 U	19.0	591.0000	--	0.24	570.0	0.2000 U	--	--	202.1	5.68	5.83	--
8/19	91.9	0.10 U	3.0 U	667.0000	--	0.30	112.0	2.6000	--	--	203.0	5.34	5.78	--
3/20	86.1	0.10 U	9.4	618.0000	--	0.52	648.0	2.3900	--	--	184.2	5.43	5.84	--
8/20	103.0	0.10 U	15.8	663.0000	--	0.51	649.0	1.8600	--	--	209.1	5.88	5.73	--
3/21	107.0	0.10 U	6.1	640.0000	--	0.02	558.0	1.8000	--	--	227.1	5.68	5.82	--

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										
4/01	--	--	--	--	--	--	--	--	1.000	--
9/01	--	--	--	--	--	--	--	--	2.500	--
3/02	--	--	--	--	--	--	--	--	3.290	--
9/02	--	--	--	--	--	--	--	--	0.900	--
6/03	--	--	--	--	--	--	0 U	--	3.200	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0	--	--	--
9/09	--	--	26.40	--	--	776.0	--	--	0.186	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	26.60	--	--	1176.0	--	--	0.980	--

Gude Landfill

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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)
4/11	--	--	26.80 J	--	--	856.0	--	--	1.960	--
9/11	--	--	28.80	--	--	1116.0	--	--	--	--
3/12	--	--	26.10	--	--	876.0	--	--	--	--
9/12	--	--	24.20	--	--	856.0	--	--	--	--
4/13	1.2	--	22.30	--	15.8	980.0	--	--	--	1.40
9/13	1052.0	--	25.70	--	16.5	840.0	--	--	--	3.60
3/14	1293.0	--	26.50	--	15.7	758.0	--	--	--	0.00
9/14	1379.0	--	28.00	--	17.7	940.0	--	--	--	3.10
3/15	1391.0	--	26.50	--	16.4	960.0	--	--	--	0.00
8/15	1454.0	--	26.20	--	25.6	870.0	--	--	--	1.21
3/16	1537.0	--	24.90	--	15.8	928.0	--	--	--	0.00
9/16	1618.0	--	26.10	--	21.7	1080.0	--	--	--	0.00
3/17	1201.0	--	18.80	--	13.5	769.0	--	--	--	0.00
9/17	1543.0	--	20.70	--	21.2	983.0	--	--	--	0.70
4/18	1406.0	--	20.30	--	15.9	896.0	--	--	--	1.30
9/18	1764.0	--	26.20	--	19.4	1060.0	--	--	--	1.60
4/19	2357.0	1900.0	42.10	--	16.7	1700.0	--	9.3	0.500 U	3.00
8/19	2.2	2250.0	38.10	--	18.1	1920.0	--	7.6	0.500 U	0.00
3/20	2902.0	2210.0	34.40	--	17.0	1650.0	--	2.3 U	0.500 U	0.20
8/20	2130.0	2370.0	34.10	--	20.0	1230.0	--	5.4	0.500 U	0.20
3/21	2423.0	2270.0	34.80	--	17.0	1260.0	--	2.3 U	0.500 U	0.33

Gude Landfill
Monitoring Location OB01 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
8/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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 6/22/21

	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		
4/11	0.03	3.6	0.005 U	0.01 U	54.3	0.005 U	0.01 U	0.012
9/11	0.04	--	--	--	--	--	--	--
3/12	0.04	4.2	0.005 U	0.01 U	81.5	0.005 U	0.01 U	0.013
9/12	0.03	4.3	0.005 U	0.01 U	60.3	0.005 U	0.01 U	0.011
4/13	0.03	4.6	0.005 U	0.01 U	70.5	0.005 U	0.01 U	0.012
9/13	0.03	3.9	0.005 U	0.01 U	65.2	0.005 U	0.01 U	0.013
3/14	0.03	4.3	0.005 U	0.01 U	97.0	0.005 U	0.01 U	0.013
9/14	0.03	4.4	0.005 U	0.01 U	99.3	0.005 U	0.01 U	0.016
3/15	0.04	5.3	0.035 U	0.01 U	120.0	0.002 U	0.01 U	0.017
8/15	0.02	4.8	0.005 U	0.00 U	95.0	0.001 U	0.01 U	0.011
3/16	0.02	4.3	0.002	0.00 U	125.0	0.001 U	0.00 U	0.009
9/16	0.04	4.9	0.004	0.00 U	119.0	0.001 U	0.00	0.011
3/17	0.01	3.9	0.002 U	0.00 U	96.8	0.001 U	0.00	0.007
9/17	0.01	4.3	0.002 U	0.00 U	122.0	0.001 U	0.00 U	0.007
4/18	0.01	4.3	0.003	0.00 U	117.0	0.001 U	0.00 U	0.007
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0005 U	0.0402	0.0005 U	--	0.0020 U	--	0.0020 U	0.0007 U	0.0166	--	0.00200 U
9/01	0.0020 U	0.0020 U	0.0180	0.0017 U	--	0.0020 U	--	0.0021	0.0020 U	0.0134	--	0.00290
3/02	0.0005 U	0.0020 U	0.0249	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0107	--	0.00240
9/02	0.0007 U	0.0003 U	0.0342	0.0004 U	--	0.0004 U	--	0.0027	0.0020 U	0.0089	--	0.00200 U
6/03	0.0007 U	0.0020 U	0.0476	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0130	--	0.00200 U
10/03	0.0020 U	0.0008 U	0.1027	0.0016 U	--	0.0020 U	--	0.0020 U	0.0054	0.0103	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.0588	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.1456	0.0012 U	--	0.0020 U	--	0.0007 U	0.0069	0.0114	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0360	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0105	--	0.00060 U
9/05	0.0028 U	0.0006 U	0.1325	0.0012 U	--	0.0020 U	--	0.0007 U	0.0070	0.0149	--	0.00200
4/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.0020 U	--	0.0020 U	0.0036	0.0107	--	0.00250
9/06	0.0007 U	0.0008 U	0.1459	0.0009 U	--	0.0006 U	--	0.0020 U	0.0051	0.0069	--	0.00070 U
4/07	0.0007 U	0.0008 U	0.1381	0.0009 U	0.020 U	--	--	0.0020 U	0.0094	0.0104	--	0.00200 U
10/07	0.0007 U	0.0008 U	0.1348	0.0009 U	0.020 U	--	--	0.0020 U	0.0039	0.0071	--	0.00070 U
3/08	0.0005 U	0.0006 U	0.1286	0.0010 U	0.020 U	--	--	0.0020 U	0.0071	0.0072	--	0.00200 U
3/09	0.0010 U	0.0010 U	0.1465	0.0012 U	0.050 U	--	--	0.0100 U	0.0100 U	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0020 U	0.1640	0.0020 U	--	0.0020 U	64.90	0.0020 U	0.0090	0.0070	0.2000 U	0.00200 U
7/10	0.0010 U	0.0009 J	0.1700	0.0010 U	--	0.0010 U	--	0.0007 J	0.0110	0.0026	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.1690	0.0050 U	--	0.0050 U	68.20	0.0050 U	0.0101	0.0094	0.4690 J	0.00500 U
4/11	0.0050 U	0.0050 U	0.1820	0.0050 U	--	0.0050 U	76.20	0.0050 U	0.0147	0.0063	0.8370	0.00500 U
9/11	0.0050 U	0.0050 U	0.1910	0.0050 U	--	0.0050 U	73.80	0.0050 U	0.0289	0.0065	0.5150	0.00540

Gude Landfill
Monitoring Location OB01 - Total Metals

Printed 6/22/21

	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)
3/12	0.0050 U	0.0050 U	0.2140	0.0050 U	--	0.0050 U	81.24	0.0050 U	0.0219	0.0119	1.6000	0.00500 U
9/12	0.0050 U	0.0050 U	0.1710	0.0050 U	--	0.0050 U	69.10	0.0050 U	0.0090	0.0058	0.3860	0.00500 U
4/13	0.0050 U	0.0050 U	0.1850	0.0050 U	--	0.0050 U	73.30	0.0050 U	0.0111	0.0148	0.4580	0.00500 U
9/13	0.0050 U	0.0050 U	0.1840	0.0050 U	--	0.0050 U	73.40	0.0050 U	0.0068	0.0061	0.5410	0.00500 U
3/14	0.0050 U	0.0050 U	0.2310	0.0050 U	--	0.0050 U	86.60	0.0050 U	0.0120	0.0062	0.5500	0.00500 U
9/14	0.0050 U	0.0050 U	0.2760	0.0050 U	--	0.0050 U	89.20	0.0050 U	0.0148	0.0087	0.6750	0.00500 U
3/15	0.0020 U	0.0020 U	0.2400	0.0020 U	--	0.0040 U	95.00	0.0100 U	0.0130	0.0042 J	0.0050 U	0.00200 U
8/15	0.0010 U	0.0010 U	0.2600	0.0010 U	--	0.0005 U	91.00	0.0050 U	0.0073	0.0052	0.0050 U	0.00100 U
3/16	0.0020 U	0.0020 U	0.2870	0.0020 U	--	0.0020 U	90.60	0.0020 U	0.0074	0.0039	0.5790	0.00200 U
9/16	0.0020 U	0.0028	0.2850	0.0020 U	--	0.0020 U	101.00	0.0077	0.0071	0.0070	0.6760	0.00200 U
3/17	0.0020 U	0.0038	0.2370	0.0020 U	--	0.0020 U	76.40	0.0020 U	0.0026	0.0082	0.4260	0.00200 U
9/17	0.0020 U	0.0020 U	0.2520	0.0020 U	--	0.0020 U	84.00	0.0023	0.0030	0.0020 U	0.4450	0.00200 U
4/18	0.0020 U	0.0020 U	0.2580	0.0020 U	--	0.0020 U	85.70	0.0029	0.0020 U	0.0020 U	0.0500 U	0.00200 U
9/18	0.0020 U	0.0020 U	0.2710	0.0020 U	--	0.0020 U	104.00	0.0040	0.0022	0.0021	0.0500 U	0.00200 U
4/19	0.0010 U	0.0010 U	0.3150	0.0010 U	--	0.0010 U	105.00	0.0011	0.0046	0.0045	0.1000 U	0.00100 U
8/19	0.0010 U	0.0010 U	0.3420	0.0010 U	--	0.0010 U	17.70	0.0028	0.0079	0.0055 B	0.1000 U	0.00100 U
3/20	0.0010 U	0.0010 U	0.3550	0.0010 U	--	0.0010 U	119.00	0.0016	0.0077	0.0014	0.0258 J	0.00100 U
8/20	0.0010 U	0.0010 U	0.3730	0.0010 U	--	0.0010 U	117.00 B	0.0010 U	0.0117	0.0033	0.0356 J	0.00100 U
3/21	0.0010 U	0.0010 U	0.3160	0.0010 U	--	0.0010 U	107.00	0.0010 U	0.0084	0.0050	0.0296 J	0.00100 U

Gude Landfill
Monitoring Location OB01 - Total Metals

Printed 6/22/21

	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			
4/01	--	0.04490	0.000200 U	0.0042	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U	0.01960
9/01	--	0.09950	0.000200 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
3/02	--	0.03330	0.000200 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
9/02	--	0.10550	0.000200 U	0.0046	--	0.00200 U	0.0096 U	--	0.0010 U	0.0008 U	0.00030 U	--
6/03	--	0.28260	0.000200 U	0.0069	--	0.00120 U	0.0096 U	--	0.0010 U	0.0020 U	0.00200 U	--
10/03	--	0.74860	0.000200 U	0.0088	--	0.00200 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U	--
3/04	--	0.07450	0.000200 U	0.0033	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00200 U	--
9/04	--	0.84500	0.000100 U	0.0125	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U	--
4/05	--	0.13340	0.000200 U	0.0035	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
9/05	--	0.85160	0.000200 U	0.0151	--	0.00200 U	0.0018 U	--	0.0013	0.0050 U	0.00200 U	--
4/06	--	0.00200 U	0.000100 U	0.0131	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	1.23100	0.000200 U	0.0177	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000400	0.0194	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00200 U	0.01570
10/07	--	--	0.000200 U	0.0182	--	0.00080 U	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U	0.00840
3/08	--	--	0.000200 U	0.0152	--	0.00200 U	0.0001 U	--	0.0001 U	0.0500 U	0.00200 U	0.01610
3/09	--	--	0.000200	0.0182	--	0.00120 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U	0.01200
9/09	36.000	2.77000	0.000200 U	0.0260	3.520	0.00200 U	0.0020 U	47.40	0.0020 U	--	0.00030 U	0.01000 U
7/10	--	--	0.000200 U	0.0320	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01600
9/10	38.900	3.95000	0.000200 U	0.0304	3.360	0.00500 U	0.0050 U	51.80	0.0050 U	--	0.00500 U	0.01070
4/11	45.300 U	5.07000	0.000200 U	0.0307	3.810	0.00500 U	0.0050 U	58.20	0.0050 U	--	0.00500 U	0.01160
9/11	46.300	7.98000	0.000200 U	--	3.780	0.00500 U	0.0050 U	66.30	0.0050 U	--	0.00500 U	0.01280

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB01 - Total Metals

Printed 6/22/21

	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)
3/12	48.580	6.33000	0.000360	0.0396	4.570	0.00500 U	0.0050 U	77.79	0.0050 U	--	0.00500 U	0.01630
9/12	38.600	3.74000	0.000200 U	0.0289	3.850	0.00500 U	0.0050 U	57.20	0.0050 U	--	0.00500 U	0.01120
4/13	45.000	3.80000	0.000200 U	0.0322	4.550	0.00500 U	0.0050 U	73.60	0.0050 U	--	0.00500 U	0.01180
9/13	44.000	3.59000	0.000200 U	0.0265	3.950	0.00500 U	0.0050 U	63.50	0.0050 U	--	0.00500 U	0.01200
3/14	52.100	4.99000	0.000200 U	0.0313	4.350	0.00500 U	0.0050 U	94.10	0.0050 U	--	0.00500 U	0.01330
9/14	53.000	5.72000	0.000200 U	0.0387	4.430	0.00500 U	0.0050 U	95.40	0.0050 U	--	0.00500 U	0.01740
3/15	61.000	5.30000	0.000210	0.0400	5.100	0.03500 U	0.0100 U	120.00	0.0020 U	--	0.01000 U	0.01300
8/15	54.000	3.90000	0.000200 U	0.0250	5.000	0.00500 U	0.0010 U	97.00	0.0010 U	--	0.00500 U	0.01100
3/16	56.300	5.04000	0.000200 U	0.0226	4.380	0.00225	0.0006	125.00	0.0010 U	--	0.00200 U	0.00872
9/16	61.900	3.34000	0.000200 U	0.0331	4.510	0.00401	0.0020 U	120.00	0.0010 U	--	0.00362	0.01060
3/17	45.200	1.25000	0.000371	0.0140	4.000	0.00200 U	0.0020 U	94.70	0.0010 U	--	0.00465	0.00734
9/17	52.900	1.42000	0.000200 U	0.0110	4.180	0.00200 U	0.0020 U	122.00	0.0010 U	--	0.00200 U	0.00697
4/18	52.600	0.96900	0.000200 U	0.0110	4.440	0.00281	0.0020 U	122.00	0.0010 U	--	0.00200 U	0.00732
9/18	61.900	1.73000	0.000200 U	0.0188	4.580	0.00416	0.0020 U	126.00	0.0010 U	--	0.00200 U	0.00845
4/19	74.900	3.54000	0.000181	0.0266	5.050	0.00100 U	0.0010 U	141.00	0.0010 U	--	0.00100 U	0.01420
8/19	16.500	0.86100	0.000138	0.0290	4.780	0.00100 U	0.0010 U	12.50	0.0010 U	--	0.00100 U	0.01750 B
3/20	84.900	4.55000	0.000133	0.0269	5.480	0.00100 U	0.0010 U	187.00	0.0010 U	--	0.00100 U	0.01120
8/20	86.800	5.48000	0.000170	0.0278	5.500	0.00100 U	0.0011	185.00	0.0010 U	--	0.00100 U	0.01080
3/21	71.600	4.33000	0.000121	0.0239	4.970	0.00100 U	0.0010 U	164.00	0.0010 U	--	0.00100 U	0.01520

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
4/01	--	--	--	--	5.04	--	--	--	--	--	10.00 U	--	1.02	--	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	4.84	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	14.51	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	2.92	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	2.08	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	2.95	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	1.00 U	0.22 U	5.95	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	1.00 U	1.00 U	2.34	0.19 U	1.75
3/04	0.18 U	0.15 U	1.00 U	0.22 U	2.27	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	1.00 U	1.16	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	2.50	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.88	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	0.43 U	0.27 U	0.34 U	0.33 U	0.44 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	2.03	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.10	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	1.37	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.45	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.28	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	2.31	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.04	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1.48	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.00 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	1.09	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.81	0.20 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	1.02	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	--	0.50 U	0.54	0.13 U	--
9/09	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	0.39 J	0.75 J	1.00 U	1.94
7/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00
9/10	2.00 U	2.00 U	2.00 U	2.00 U	1.33 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.48 J	2.00 U	2.00 U	2.00 U	3.19

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.90
9/12	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	1.00 U	1.00 U	1.00 U
4/13	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	1.00 U	1.00 U	1.64
9/13	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
3/14	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
9/14	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
3/15	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
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	1.00 U	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.03 U	0.01 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	--	--	--	--	--	--	0.10	--	--	--	--	0.05	--	--	0.31
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.00 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.31
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
10/03	0.11 U	0.35	0.18 U	--	0.15 U	--	1.28	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	1.00 U
3/04	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	1.04	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.00 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
9/06	1.00 U	1.00 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.26	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.21	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.10 U
3/09	0.22 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.69	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.49 J	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.03	0.32 J
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U
9/10	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	5.00 U	2.00 U	1.43 J	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.10	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U

Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	0.56	--	11.92	--	--	--	0.06	--	--	--	--	--	--	0.84	--
9/01	1.00 U	0.21 U	10.88	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.13	0.27 U	0.21 U	1.00 U	0.24 U
3/02	1.00 U	0.21 U	25.37	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	1.61	0.24 U
9/02	1.00 U	0.21 U	6.14	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
6/03	1.00 U	0.21 U	13.94	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	2.20	0.24 U
10/03	1.00 U	0.21 U	47.72	0.19 U	0.17 U	1.00 U	1.03	0.17 U	--	0.22 U	1.00 U	1.00 U	0.21 U	0.17 U	0.24 U
3/04	1.00 U	1.00 U	19.47	0.19 U	0.17 U	0.26 U	1.00 U	1.00 U	--	0.22 U	0.21 U	1.00 U	0.21 U	1.00 U	1.00 U
9/04	1.00 U	0.25 U	33.97	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/05	1.00 U	0.25 U	5.98	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	1.00 U	0.25 U	34.36	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	16.06	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
9/06	1.00 U	0.25 U	34.18	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.26	0.32 U
4/07	1.00 U	0.25 U	22.85	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
10/07	1.00 U	0.25 U	25.50	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
3/08	0.21 U	0.15 U	14.78	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.50 U	0.28 U
3/09	0.76	0.20 U	9.71	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	1.20	0.12 U
9/09	0.65 J	1.00 U	11.80	1.00 U	1.00 U	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
7/10	0.80 J	1.00 U	13.00	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	1.00 U
9/10	0.74 J	2.00 U	7.71	2.00 U	2.00 U	2.00 U	4.00 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

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB01 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
4/11	1.00 U	1.00 U	6.60	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	6.20	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
4/13	1.38	1.00 U	6.68	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.90	1.00 U	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
3/14	1.00 U	1.00 U	2.81	1.00 U	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
9/14	1.00 U	1.00 U	2.39	1.00 U	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
3/15	1.00 U	1.00 U	2.97	1.00 U	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
8/15	1.00 U	1.00 U	1.63	1.00 U	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
3/16	1.00 U	1.00 U	1.79	1.00 U	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
9/16	1.00 U	1.00 U	1.59	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	1.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB01 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	0.69	--	--	6.50	--	--	--	0.06
9/01	1.00 U	0.13 U	0.14 U	7.59	0.18 U	--	--	0.27 U
3/02	1.03	0.13 U	0.14 U	5.41	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	3.11	0.18 U	--	--	0.27 U
6/03	1.00 U	0.13 U	0.14 U	3.85	0.18 U	--	--	0.27 U
10/03	3.35	0.13 U	0.14 U	12.71	0.18 U	--	6.02	1.03
3/04	1.00 U	0.13 U	0.14 U	4.37	0.18 U	--	1.20	1.00 U
9/04	1.08	0.24 U	0.30 U	5.77	0.36 U	--	5.13	0.18 U
4/05	0.45 U	0.24 U	1.00 U	1.03	0.36 U	--	0.32 U	0.18 U
9/05	1.09	0.24 U	0.30 U	2.49	0.36 U	--	4.40	0.18 U
4/06	1.00 U	0.24 U	0.30 U	2.25	0.36 U	--	3.32	0.18 U
9/06	1.13	0.24 U	0.30 U	2.34	0.36 U	--	5.26	0.18 U
4/07	1.00 U	0.24 U	0.30 U	1.52	0.36 U	--	1.42	0.18 U
10/07	1.42	0.24 U	0.30 U	1.44	0.36 U	--	4.75	0.18 U
3/08	0.50	0.08 U	--	0.83	0.07 U	--	1.31	0.22 U
3/09	0.50 U	0.13 U	--	0.88	0.10 U	--	0.90	0.11 U
9/09	0.40 J	1.00 U	1.00 U	0.73 J	1.00 U	--	0.55 J	1.00 U
7/10	1.00 U	1.00 U	5.00 U	0.50 J	1.00 U	1.00 U	4.00	1.00 U
9/10	0.70 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5.09	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Monitoring Location OB01 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.30	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 OB02 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	76.7940	0.005 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	77.0228	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	80.4001	0.004	--	--	--	--	--	--	--	--	--
9/02	--	--	--	77.8282	0.001	--	--	--	--	--	--	--	--	--
6/03	--	--	--	84.7667	0.002 U	--	--	--	--	--	--	--	--	0.015
10/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.046
3/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.024
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.012
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014
9/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.021
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	67.0	0.20 U	10.0 U	212.0000	--	--	350.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - General Parameters

Printed 6/22/21

	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)
9/10	72.0	0.20 U	10.0 U	90.0000	--	--	169.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	70.0	0.20 U	10.0 U	47.3000	--	--	130.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	72.0	0.20 U	10.0 U	51.1000	--	--	125.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	68.0	0.20 U	10.0 U	49.9000	--	--	116.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	68.0	0.20 U	10.0 U	404.0000	--	--	500.0	0.5750	0.63	0.05 U	--	--	--	--
3/13	67.0	0.20 U	34.6	27.8000	--	0.05	86.0	0.2000 U	0.20 U	0.05 U	182.0	7.16	--	--
9/13	65.0	0.20 U	10.0 U	32.2000	--	0.04	98.0	0.2000 U	0.20 U	0.05 U	196.0	6.74	--	--
3/14	67.0	0.20 U	10.0 U	24.3000	--	0.07	106.0	0.2000 U	--	--	184.0	6.85	--	--
9/14	66.0	0.20 U	10.0 U	44.8000	--	1.67	118.0	0.2000 U	0.20 U	0.05 U	178.0	7.10	--	--
3/15	72.0	0.20 U	10.0 U	101.0000	--	0.00	170.0	0.2000 U	0.20 U	0.05 U	298.0	6.66	--	--
8/15	73.0	0.20 U	10.0 U	107.0000	--	3.05	202.0	0.2000 U	0.20 U	0.05 U	165.0	6.77	--	--
3/16	67.0	0.20 U	10.0 U	54.8000	--	0.00	120.0	0.2000 U	0.20 U	0.05 U	221.0	7.02	--	--
8/16	85.0	0.20 U	10.0 U	109.0000	--	--	196.0	0.2000 U	0.20 U	0.05 U	220.0	6.41	--	--
3/17	102.0	0.20 U	10.0 U	32.2000	--	4.11	112.0	0.2000 U	0.20 U	0.05 U	299.0	7.00	--	--
9/17	93.0	0.20 U	10.0 U	20.7000	--	12.40	170.0	0.2000 U	0.20 U	0.05 U	329.0	7.11	--	--
3/18	70.2	0.20 U	10.0 U	12.1000	--	--	82.0	0.2000 U	0.20 U	0.05 U	136.0	7.15	--	--
9/18	69.3	0.20 U	10.0 U	80.9000	--	--	156.0	0.2000 U	0.20 U	0.05 U	128.0	6.47	--	--
4/19	59.3	0.10 U	12.0	195.0000	--	0.29	260.0	0.2000 J	--	--	167.6	5.99	6.69	--
8/19	59.6	0.10 U	6.3	209.0000	--	0.29	287.0	0.2000 U	--	--	176.1	5.63	6.18	--
3/20	72.6	0.10 U	3.0 U	174.0000	--	0.42	252.0	0.2000 U	--	--	181.1	6.12	6.29	--
8/20	46.0	0.10 U	10.8	140.0000	--	1.10	225.0	0.2000 U	--	--	181.7	6.43	6.42	--
3/21	72.9	0.10 U	3.0 U	189.0000	--	0.41	249.0	0.0500 U	--	--	110.8	6.11	6.32	--

Gude Landfill

Monitoring Location OB02 - 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										
4/01	--	--	--	--	--	--	--	--	4.100	--
9/01	--	--	--	--	--	--	--	--	15.600	--
3/02	--	--	--	--	--	--	--	--	9.110	--
9/02	--	--	--	--	--	--	--	--	5.000	--
6/03	--	--	--	--	--	--	0 U	--	3.400	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	13.50	--	--	780.0	--	--	10.300	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

Gude Landfill
Monitoring Location OB02 - General Parameters

Printed 6/22/21

	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)
9/10	--	--	7.38	--	--	388.0	--	--	2.600	--
4/11	--	--	4.24	--	--	336.0	--	--	33.300	--
9/11	--	--	5.87	--	--	1264.0	--	--	--	--
3/12	--	--	4.51	--	--	252.0	--	--	--	--
9/12	--	--	20.20	--	--	1124.0	--	--	--	--
3/13	252.9	--	5.14	--	14.0	152.0	--	--	--	7.50
9/13	229.3	--	4.79	--	15.5	174.0	--	--	--	35.30
3/14	199.0	--	4.96	--	14.7	178.0	--	--	--	83.20
9/14	268.0	--	5.54	--	15.3	166.0	--	--	--	10.50
3/15	388.5	--	7.29	--	11.5	286.0	--	--	--	23.90
8/15	508.5	--	6.27	--	19.4	320.0	--	--	--	14.90
3/16	301.1	--	6.19	--	18.3	263.0	--	--	--	3.00
8/16	484.7	--	8.24	--	17.4	382.0	--	--	--	16.40
3/17	222.8	--	5.25	--	10.8	115.0	--	--	--	7.70
9/17	193.5	--	5.33	--	14.4	150.0	--	--	--	--
3/18	159.0	--	5.25	--	11.9	133.0	--	--	--	5.90
9/18	402.5	--	6.49	--	14.9	262.0	--	--	--	8.60
4/19	889.0	719.0	15.80	--	13.9	642.0	--	10.6	8.470	6.40
8/19	0.8	826.0	20.00	--	16.1	616.0	--	4.2	3.910	0.44
3/20	687.0	717.0	14.40	--	15.8	494.0	--	12.0	11.300	7.30
8/20	594.0	636.0	11.40	--	20.5	374.0	--	12.3	10.700	14.50
3/21	674.0	784.0	14.90	--	14.2	464.0	--	8.9	4.180	0.30

Gude Landfill
Monitoring Location OB02 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	0.002 U	0.002 U	0.059	0.002 U	0.004 U	18.0	0.01 U	0.01 U	0.002 J	0.3	0.002 U	8.7	0.390	0.0002 U
8/15	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	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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		
4/11	0.01 U	3.3	0.005 U	0.01 U	11.0	0.005 U	0.01 U	0.005 U
9/11	0.01 U	--	--	--	--	--	--	--
3/12	0.01 U	3.7	0.005 U	0.01 U	15.7	0.005 U	0.01 U	0.006
9/12	0.01	3.5	0.005 U	0.01 U	11.1	0.005 U	0.01 U	0.006
3/13	0.01 U	3.3	0.005 U	0.01 U	14.0	0.005 U	0.01 U	0.005 U
9/13	0.01 U	3.1	0.005 U	0.01 U	10.2	0.005 U	0.01 U	0.005
3/14	0.01 U	2.8	0.005 U	0.01 U	8.6	0.005 U	0.01 U	0.006
9/14	0.01 U	3.2	0.005 U	0.01 U	10.0	0.005 U	0.01 U	0.007
3/15	0.01 U	2.1	0.035 U	0.01 U	7.3	0.002 U	0.01 U	0.021
8/15	0.01	4.8	0.005 U	0.00 U	15.0	0.001 U	0.01 U	0.005 U
3/16	0.00 U	3.6	0.002 U	0.00 U	11.2	0.001 U	0.00 U	0.002 U
8/16	0.00	4.3	0.002 U	0.00 U	14.5	0.001 U	0.00 U	0.002 U
3/17	0.00 U	3.1	0.002 U	0.00 U	9.7	0.001 U	0.00 U	0.002 U
9/17	0.00 U	2.8	0.002 U	0.00 U	8.8	0.001 U	0.00 U	0.002 U
3/18	0.00 U	2.6	0.002 U	0.00 U	7.9	0.001 U	0.00 U	0.002 U
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0005 U	0.0540	0.0005 U	--	0.0020 U	--	0.0020 U	0.0007 U	0.0100 U	--	0.00200 U
9/01	0.0020 U	0.0020 U	0.1256	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0121	--	0.01670
3/02	0.0020 U	0.0007 U	0.0838	0.0017 U	--	0.0020 U	--	0.0035	0.0020 U	0.0132	--	0.00510
9/02	0.0007 U	0.0020 U	0.1125	0.0004 U	--	0.0020 U	--	0.0026	0.0020 U	0.0137	--	0.00340
6/03	0.0007 U	0.0020 U	0.0524	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0090	--	0.00200 U
10/03	0.0009 U	0.0020 U	0.1579	0.0016 U	--	0.0020 U	--	0.0020 U	0.0030	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0020 U	0.1567	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0106	--	0.00200
9/04	0.0028 U	0.0020 U	0.1684	0.0012 U	--	0.0020 U	--	0.0020 U	0.0034	0.0154	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.1443	0.0012 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0176	--	0.00200 U
9/05	0.0028 U	0.0020 U	0.1971	0.0012 U	--	0.0020 U	--	0.0020 U	0.0055	0.0267	--	0.00490
4/06	0.0006 U	0.0006 U	0.1508	0.0007 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0101	--	0.00220
9/06	0.0007 U	0.0008 U	0.2539	0.0009 U	--	0.0006 U	--	0.0020 U	0.0049	0.0054	--	0.00070 U
4/07	0.0007 U	0.0020 U	0.2817	0.0009 U	0.020 U	--	--	0.0020 U	0.0065	0.0080	--	0.00200 U
10/07	0.0020 U	0.0020 U	0.2464	0.0009 U	0.020 U	--	--	0.0020 U	0.0020 U	0.0192	--	0.00200 U
3/08	0.0005 U	0.0006 U	0.1635	0.0010 U	0.020 U	--	--	0.0008 U	0.0020 U	0.0052	--	0.00100 U
9/08	0.0010 U	0.0012 U	0.1338	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0074	--	0.00200 U
3/09	0.0020	0.0006 U	0.1568	0.0010 U	0.020 U	--	--	0.0008 U	0.0012 U	0.0055	--	0.00100 U
9/09	0.0020 U	0.0020 U	0.2960	0.0020 U	--	0.0020 U	60.60	0.0020 U	0.0057	0.0060	2.6600	0.00200 U
7/10	0.0010 U	0.0024	0.1500	0.0010 U	--	0.0012	--	0.0100	0.0081	0.0290	--	0.00960
9/10	0.0050 U	0.0050 U	0.1260	0.0050 U	--	0.0050 U	39.10	0.0050 U	0.0050 U	0.0069	0.8180	0.00500 U
4/11	0.0050 U	0.0050 U	0.5310	0.0050 U	--	0.0050 U	72.20	0.0050 U	0.0587	0.0050 U	25.2000 J	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.0771	0.0050 U	--	0.0050 U	28.20	0.0050 U	0.0050 U	0.0050 U	0.7680	0.00500 U
3/12	0.0050 U	0.0050 U	0.0702	0.0050 U	--	0.0050 U	28.37	0.0050 U	0.0050 U	0.0063	1.1800	0.00500 U
9/12	0.0050 U	0.0050 U	0.4270	0.0050 U	--	0.0050 U	103.00	0.0050 U	0.0050 U	0.0050 U	0.5860	0.00500 U
3/13	0.0050 U	0.0050 U	0.0500	0.0050 U	--	0.0050 U	20.90	0.0050 U	0.0050 U	0.0106	0.7250	0.00500 U
9/13	0.0050 U	0.0050 U	0.0524	0.0050 U	--	0.0050 U	23.60	0.0050 U	0.0050 U	0.0050 U	1.0100	0.00500 U
3/14	0.0050 U	0.0050 U	0.0575	0.0050 U	--	0.0050 U	23.30	0.0050 U	0.0050 U	0.0086	3.2700	0.00500 U
9/14	0.0050 U	0.0050 U	0.0636	0.0050 U	--	0.0050 U	23.60	0.0050 U	0.0050 U	0.0050 U	0.9220	0.00500 U
3/15	0.0020 U	0.0020 U	0.1200	0.0020 U	--	0.0040 U	35.00	0.0072 J	0.0100 U	0.0044 J	1.4000	0.00200 U
8/15	0.0010 U	0.0010 U	0.1300	0.0010 U	--	0.0005 U	42.00	0.0190	0.0050 U	0.0050 U	1.1000	0.00100 U
3/16	0.0020 U	0.0020 U	0.0814	0.0020 U	--	0.0020 U	39.00	0.0020 U	0.0020 U	0.0020 U	0.6120	0.00200 U
8/16	0.0050 U	0.0050 U	0.1470	0.0050 U	--	0.0050 U	49.70	0.0050 U	0.0050 U	0.0050 U	1.3600	0.00500 U
3/17	0.0050 U	0.0050 U	0.0687	0.0050 U	--	0.0050 U	25.30	0.0050 U	0.0050 U	0.0055	1.3000	0.00500 U
9/17	0.0050 U	0.0050 U	0.0574	0.0050 U	--	0.0050 U	22.50	0.0050 U	0.0050 U	0.0095	1.2300	0.00500 U
3/18	0.0050 U	0.0050 U	0.0433	0.0050 U	--	0.0050 U	18.90	0.0050 U	0.0050 U	0.0050 U	0.7380	0.00500 U
9/18	0.0050 U	0.0050 U	0.1040	0.0050 U	--	0.0050 U	36.10	0.0050 U	0.0050 U	0.0050 U	0.4060	0.00500 U
4/19	0.0010 U	0.0010 U	0.2990	0.0010 U	--	0.0010 U	49.40	0.0029	0.0051	0.0033	0.6570	0.00100 U
8/19	0.0010 U	0.0010 U	0.3330	0.0010 U	--	0.0010 U	55.10	0.0031	0.0060	0.0018	0.4980	0.00100 U
3/20	0.0010 U	0.0010 U	0.2360	0.0010 U	--	0.0010 U	50.80	0.0020	0.0072	0.0014	1.0400	0.00100 U
8/20	0.0010 U	0.0010 U	0.2410	0.0010 U	--	0.0010 U	45.10	0.0023	0.0101	0.0031	0.9470	0.00100 U
3/21	0.0010 U	0.0010 U	0.2480	0.0010 U	--	0.0010 U	49.90	0.0015	0.0101	0.0031	0.7050	0.00100 U

Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	0.11600	0.000100 U	0.0020 U	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U
9/01	--	0.91240	0.000100 U	0.0100 U	--	0.00200 U	0.0044 U	--	0.0027	0.2000 U	0.00200 U
3/02	--	0.42590	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/02	--	0.43700	0.000100 U	0.0050	--	0.00120 U	0.0096 U	--	0.0010 U	0.0020	0.00030 U
6/03	--	0.12190	0.000200 U	0.0025	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00030 U
10/03	--	1.42900	0.000200 U	0.0043	--	0.00070 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
3/04	--	0.55230	0.000200 U	0.0035	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00200 U
9/04	--	1.25200	0.000100 U	0.0046	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U
4/05	--	0.23750	0.000100 U	0.0040	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
9/05	--	1.31880	0.000100 U	0.0074	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00210
4/06	--	0.14660	0.000100 U	0.0022	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U
9/06	--	1.31400	0.000200 U	0.0047	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U
4/07	--	--	0.000200 U	0.0088	--	0.00080 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U
10/07	--	--	0.000200 U	0.0062	--	0.00080 U	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U
3/08	--	--	0.000200 U	0.0028	--	0.00090 U	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U
9/08	--	--	0.000200 U	0.0040 U	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000200 U	0.0021	--	0.00090 U	0.0008 U	--	0.0006 U	0.0011 U	0.00060 U
9/09	32.200	1.21000	0.000200 U	0.0082	5.910	0.00200 U	0.0020 U	22.60	0.0020 U	--	0.00200 U
7/10	--	--	0.000200 U	0.0130	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.01500
9/10	17.700	1.24000	0.000200 U	0.0050 U	4.430	0.00500 U	0.0050 U	17.80	0.0050 U	--	0.00500 U
4/11	59.300	10.10000	0.000200 U	0.0168	13.700 J	0.00500 U	0.0050 U	111.00 J	0.0050 U	--	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 6/22/21

	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)
9/11	12.100	0.87600	0.000200 U	--	3.990	0.00500 U	0.0050 U	11.00	0.0050 U	--	0.00500 U
3/12	11.970	0.91900	0.000200 U	0.0050 U	3.760	0.00500 U	0.0050 U	15.64	0.0050 U	--	0.00500 U
9/12	59.000	0.05820	0.000200 U	0.0050 U	5.690	0.00500 U	0.0050 U	34.50	0.0050 U	--	0.00500 U
3/13	9.450	0.60000	0.000200 U	0.0050 U	3.330	0.00500 U	0.0050 U	14.80	0.0050 U	--	0.00500 U
9/13	9.940	0.62300	0.000200 U	0.0050 U	3.250	0.00500 U	0.0050 U	10.20	0.0050 U	--	0.00500 U
3/14	9.400	0.68600	0.000200 U	0.0056	3.480	0.00500 U	0.0050 U	10.00	0.0050 U	--	0.00500 U
9/14	10.600	0.69900	0.000200 U	0.0050 U	3.270	0.00500 U	0.0050 U	10.30	0.0050 U	--	0.00500 U
3/15	17.000	0.84000	0.000200 U	0.0110 U	4.100	0.03500 U	0.0100 U	13.00	0.0020 U	--	0.01000 U
8/15	20.000	1.30000	0.000200 U	0.0180	5.000	0.00500 U	0.0010 U	15.00	0.0010 U	--	0.00500 U
3/16	16.600	0.80000	0.000200 U	0.0020 U	3.410	0.00200 U	0.0020 U	15.60	0.0010 U	--	0.00200 U
8/16	20.100	1.27000	0.000200 U	0.0050 U	4.530	0.00500 U	0.0050 U	15.70	0.0050 U	--	0.00500 U
3/17	9.900	0.57300	0.000200 U	0.0050 U	3.330	0.00500 U	0.0050 U	10.40	0.0050 U	--	0.00500 U
9/17	8.710	0.59300	0.000200 U	0.0050 U	3.000	0.00500 U	0.0050 U	9.39	0.0050 U	--	0.00500 U
3/18	6.840	0.60800	0.000200 U	0.0050 U	2.820	0.00500 U	0.0050 U	8.50	0.0050 U	--	0.00500 U
9/18	16.100	0.87900	0.000200 U	0.0050 U	4.110	0.00500 U	0.0050 U	13.40	0.0050 U	--	0.00500 U
4/19	33.100	1.18000	0.000100 U	0.0137	6.300	0.00100 U	0.0010 U	25.90	0.0010 U	--	0.00100 U
8/19	36.300	1.48000	0.000100 U	0.0153	6.890	0.00100 U	0.0010 U	27.60	0.0010 U	--	0.00100 U
3/20	30.300	1.74000	0.000100 U	0.0086	6.340	0.00100 U	0.0010 U	22.90	0.0010 U	--	0.00100 U
8/20	27.200	1.56000	0.000100 U	0.0086	6.070	0.00100 U	0.0010 U	21.80	0.0010 U	--	0.00100 U
3/21	30.300	1.46000	0.000100 U	0.0075	5.940	0.00100 U	0.0010 U	23.10	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

MCL/
GWPS

4/01	0.01000	U
9/01	--	
3/02	--	
9/02	--	
6/03	--	
10/03	--	
3/04	--	
9/04	--	
4/05	--	
9/05	--	
4/06	--	
9/06	--	
4/07	0.01700	
10/07	0.01760	
3/08	0.01000	U
9/08	0.02000	U
3/09	0.01000	U
9/09	0.01000	U
7/10	0.04300	
9/10	0.00533	
4/11	0.00773	

Gude Landfill
Monitoring Location OB02 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.00643	
3/12	0.00627	
9/12	0.00860	
3/13	0.00500	U
9/13	0.00616	
3/14	0.01620	
9/14	0.00818	
3/15	0.01000	U
8/15	0.00500	U
3/16	0.00200	U
8/16	0.00587	
3/17	0.00539	
9/17	0.02660	
3/18	0.03070	
9/18	0.00500	U
4/19	0.02090	
8/19	0.00400	U
3/20	0.00437	
8/20	0.00456	
3/21	0.00861	B

Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
4/01	--	--	--	--	--	--	--	--	--	10.00 U	--	--	--	--	10.00 U
9/01	0.18 U	1.00 U	0.23 U	0.22 U	0.19 U	1.00 U	1.00 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	1.48	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	1.00 U	0.17 U	1.00 U	0.19 U	1.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	0.19 U	0.17 U	1.00 U	0.19 U	1.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	1.00 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	1.00 U	0.40 U	1.13	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	0.38 J
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
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	1.00 U	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/16	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
3/17	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
9/17	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
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
9/18	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/01	1.00 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	1.92	1.00 U	1.00 U	1.00 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
10/03	0.11 U	0.42	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.00 U
3/04	0.11 U	5.33	0.18 U	--	1.00 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	1.00 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.61 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	14.50	5.00 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	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.40 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB02 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	--	--	--	--	--	--	0.06	--	--	--	--	--	--	0.13	--
9/01	0.23 U	1.00 U	0.22 U	0.19 U	0.17 U	1.00 U	1.00 U	1.00 U	--	0.22 U	1.00 U	0.27 U	1.00 U	1.35	1.00 U
3/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/02	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
6/03	0.23 U	0.21 U	1.90	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.84	0.24 U
10/03	0.23 U	0.21 U	50.54	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	2.89	1.00 U
3/04	0.23 U	1.00 U	21.16	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/04	0.27 U	0.25 U	12.61	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/05	0.27 U	0.25 U	4.53	0.29 U	0.27 U	0.23 U	2.00 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
9/05	0.27 U	1.00 U	6.06	0.29 U	0.27 U	1.00 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	1.00 U	1.67	1.00 U
4/06	0.27 U	0.25 U	1.79	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	1.41	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	1.14	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.25 U	1.19	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
3/08	0.21 U	0.15 U	1.96	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.20 U	1.38	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.50 U	0.12 U
3/09	0.12 U	0.20 U	1.15	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	0.71 J	1.00 U	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	0.55 J	1.00 U
7/10	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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
8/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB02 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	--	--	--	--	--	--	--	0.27 U
9/01	1.00 U	0.13 U	1.00 U	1.00 U	1.12	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
10/03	1.00 U	0.13 U	1.00 U	8.04	0.18 U	--	1.87	0.27 U
3/04	1.00 U	0.13 U	0.14 U	4.92	0.18 U	--	0.19	0.18 U
9/04	0.45 U	0.24 U	0.30 U	2.99	0.36 U	--	1.00 U	0.18 U
4/05	0.45 U	0.24 U	1.00 U	1.36	0.36 U	--	0.32 U	1.00 U
9/05	0.45 U	0.24 U	0.30 U	2.04	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.22 U
3/08	0.22 U	0.08 U	--	0.50 U	0.07 U	--	0.22 U	0.11 U
9/08	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	0.11 U
3/09	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	1.00 U
9/09	1.00 U	1.00 U	1.00 U	0.32 U	1.00 U	--	1.00 U	1.00 U
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 6/22/21

Monitoring Location OB02 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	--
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 OB02A - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	74.0551	0.005 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	69.1777	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	81.3822	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	140.4650	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	54.9980	0.002 U	--	--	--	--	--	--	--	--	0.078
10/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.083
3/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.039
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.056
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.064
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.543
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.062
9/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.049
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.053
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.063
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	38.0	0.20 U	3.6 J	280.0000	--	--	390.0	0.5894	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02A - General Parameters

Printed 6/22/21

	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)
9/10	40.0	0.20 U	10.0 U	310.0000	--	--	420.0	0.5890	0.64	0.05 U	--	--	--	--
4/11	35.0	0.20 U	10.0 U	302.0000	--	--	391.0	0.5430	0.55	0.05 U	--	--	--	--
9/11	36.0	0.20 U	10.0 U	350.0000	--	--	463.0	0.5760	0.59	0.05 U	--	--	--	--
3/12	36.0	0.20 U	10.0 U	334.0000	--	--	414.0	0.5820	0.59	0.05 U	--	--	--	--
9/12	33.0	0.20 U	10.0 U	36.0000	--	--	112.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	33.0	0.20 U	10.0 U	335.0000	--	0.06	426.0	0.6230	0.67	0.05 U	343.0	5.70	--	--
9/13	34.0	0.20 U	10.0 U	419.0000	--	0.05	520.0	0.6160	0.63	0.05 U	404.0	5.34	--	--
3/14	33.0	0.20 U	10.0 U	359.0000	--	0.02	444.0	0.6510	--	--	401.0	5.33	--	--
9/14	37.0	0.20 U	10.0 U	383.0000	--	2.70	498.0	0.6140	0.66	0.05 U	327.0	5.77	--	--
3/15	32.0	0.20 U	10.0 U	299.0000	--	0.00	432.0	0.6250	0.68	0.05 U	376.0	5.49	--	--
8/15	37.0	0.20 U	10.0 U	431.0000	--	0.92	580.0	0.6930	0.74	0.05 U	280.0	5.59	--	--
3/16	35.0	0.20 U	10.0 U	391.0000	--	0.00	508.0	0.9900	1.04	0.05 U	370.0	5.58	--	--
8/16	38.0	0.20 U	10.0 U	405.0000	--	--	552.0	0.9440	0.95	0.05 U	374.0	5.66	--	--
3/17	63.0	0.20 U	10.0 U	407.0000	--	--	202.0	1.3800	1.39	0.05 U	424.0	5.55	--	--
9/17	52.0	0.20 U	10.0 U	401.0000	--	0.50	450.0	1.6700	1.68	0.05 U	468.0	5.74	--	--
3/18	39.2	0.20 U	10.0 U	394.0000	--	--	540.0	1.9100	1.92	0.05 U	235.0	5.75	--	--
9/18	41.4	0.20 U	10.0 U	381.0000	--	--	473.0	1.6600	1.67	0.05 U	232.0	5.52	--	--
4/19	34.7	0.10 U	13.0	196.0000	--	1.09	251.0	1.9000	--	--	167.6	5.50	5.78	--
8/19	44.3	0.10 U	8.9	322.0000	--	0.13	380.0	1.2000	--	--	187.5	5.30	5.88	--
3/20	38.1	0.10 U	3.0 U	331.0000	--	0.50	392.0	1.7100	--	--	238.3	5.48	5.63	--
8/20	31.2	0.10 U	11.5	330.0000	--	0.68	411.0	1.1300	--	--	215.0	5.69	5.65	--
3/21	38.7	0.10 U	4.0	331.0000	--	0.15	381.0	1.1400	--	--	213.3	5.44	5.61	--

Gude Landfill Monitoring Location OB02A - 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										
4/01	--	--	--	--	--	--	--	--	1.600	--
9/01	--	--	--	--	--	--	--	--	2.700	--
3/02	--	--	--	--	--	--	--	--	1.850	--
9/02	--	--	--	--	--	--	--	--	3.000	--
6/03	--	--	--	--	--	--	0 U	--	2.800	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	22.40	--	--	1088.0	--	--	3.830	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

Gude Landfill

Monitoring Location OB02A - 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)
9/10	--	--	25.40	--	--	1192.0	--	--	0.891	--
4/11	--	--	17.80 J	--	--	288.0	--	--	0.416	--
9/11	--	--	21.50	--	--	68.0	--	--	--	--
3/12	--	--	18.40	--	--	824.0	--	--	--	--
9/12	--	--	4.91	--	--	176.0	--	--	--	--
3/13	1.3	--	19.30	--	14.7	796.0	--	--	--	0.00
9/13	1327.0	--	22.20	--	15.7	1072.0	--	--	--	0.00
3/14	1125.0	--	22.50	--	14.8	944.0	--	--	--	1.62
9/14	1249.0	--	22.90	--	15.1	826.0	--	--	--	1.40
3/15	851.1	--	17.50	--	13.6	644.0	--	--	--	5.40
8/15	1365.0	--	21.50	--	16.8	932.0	--	--	--	2.61
3/16	1230.0	--	23.50	--	17.4	770.0	--	--	--	4.60
8/16	686.0	--	23.20	--	15.5	936.0	--	--	--	0.00
3/17	1292.0	--	19.30	--	13.7	670.0	--	--	--	0.00
9/17	1433.0	--	18.50	--	14.5	929.0	--	--	--	0.00
3/18	1208.0	--	19.90	--	11.6	1040.0	--	--	--	16.80
9/18	1246.0	--	19.70	--	15.6	747.0	--	--	--	0.00
4/19	87.2	707.0	24.50	--	14.4	659.0	--	24.1	7.650	9.90
8/19	1.1	1160.0	24.10	--	16.6	975.0	--	2.3 U	0.500 U	0.00
3/20	1124.0	1150.0	24.10	--	17.0	772.0	--	41.8	2.740	4.50
8/20	1114.0	1280.0	24.40	--	17.7	690.0	--	79.4	12.000	15.50
3/21	1149.0	1210.0	26.00	--	16.0	651.0	--	2.6	0.500 U	1.18

Gude Landfill
Monitoring Location OB02A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
8/15	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	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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		
4/11	0.01	4.4	0.005 U	0.01 U	29.9	0.005 U	0.01 U	0.008
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	5.3	0.005 U	0.01 U	35.3	0.005 U	0.01 U	0.007
9/12	0.01 U	5.8	0.005 U	0.01 U	39.1	0.005 U	0.01 U	0.009
3/13	0.01	5.0	0.005 U	0.01 U	36.0	0.005 U	0.01 U	0.007
9/13	0.01	5.5	0.005 U	0.01 U	39.8	0.005 U	0.01 U	0.008
3/14	0.01	4.6	0.005 U	0.01 U	33.7	0.005 U	0.01 U	0.009
9/14	0.01	5.0	0.005 U	0.01 U	39.0	0.005 U	0.01 U	0.010
3/15	0.01	3.7	0.035 U	0.01 U	28.0	0.002 U	0.01 U	0.008 J
8/15	0.01 U	5.8	0.005 U	0.00 U	46.0	0.001 U	0.01 U	0.005 U
3/16	0.01	4.5	0.002 U	0.00 U	40.8	0.001 U	0.00 U	0.004
8/16	0.01	5.4	0.002 U	0.00 U	43.7	0.001 U	0.00 U	0.004
3/17	0.02	5.2	0.002 U	0.00 U	46.1	0.001 U	0.00	0.006
9/17	0.01	5.2	0.002 U	0.00 U	46.1	0.001 U	0.00 U	0.004
3/18	0.01	5.3	0.002 U	0.00 U	44.9	0.001 U	0.00 U	0.005
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0005 U	0.0791	0.0005 U	--	0.0022	--	0.0020 U	0.0007 U	0.0139	--	0.00290
9/01	0.0020 U	0.0020 U	0.0946	0.0017 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0086	--	0.00340
3/02	0.0020 U	0.0007 U	0.1163	0.0017 U	--	0.0020 U	--	0.0039	0.0004 U	0.0118	--	0.00260
9/02	0.0007 U	0.0003 U	0.1795	0.0004 U	--	0.0020 U	--	0.0026	0.0020 U	0.0102	--	0.00630
6/03	0.0007 U	0.0020 U	0.1050	0.0004 U	--	0.0020 U	--	0.0005 U	0.0004 U	0.0090	--	0.00200 U
10/03	0.0009 U	0.0008 U	0.0976	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.1032	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.1403	0.0012 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0154	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.1033	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0159	--	0.00200 U
9/05	0.0028 U	0.0006 U	0.1198	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0114	--	0.00200
4/06	0.0006 U	0.0006 U	0.1035	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0137	--	0.00310
9/06	0.0007 U	0.0008 U	0.2976	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0057	--	0.00070 U
4/07	0.0007 U	0.0008 U	0.2861	0.0009 U	0.006 U	--	--	0.0020 U	0.0005 U	0.0062	--	0.00070 U
10/07	0.0020 U	0.0008 U	0.1479	0.0009 U	0.006 U	--	--	0.0020 U	0.0005 U	0.0103	--	0.00200 U
3/08	0.0005 U	0.0006 U	0.2413	0.0010 U	0.020 U	--	--	0.0020 U	0.0012 U	0.0045	--	0.00100 U
9/08	0.0010 U	0.0012 U	0.1676	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0061	--	0.00200 U
3/09	0.0033	0.0006 U	0.2743	0.0010 U	0.020 U	--	--	0.0020 U	0.0012 U	0.0064	--	0.00100 U
9/09	0.0020 U	0.0020 U	0.3540	0.0020 U	--	0.0020 U	77.50	0.0020 U	0.0003 J	0.0054	0.4140	0.00200 U
7/10	0.0010 U	0.0010	0.3500	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0010	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.3450	0.0050 U	--	0.0050 U	87.10	0.0050 U	0.0050 U	0.0077	0.6820	0.00500 U
4/11	0.0050 U	0.0050 U	0.3490	0.0050 U	--	0.0050 U	82.90	0.0050 U	0.0050 U	0.0053	0.5000 U	0.00500 U

Gude Landfill
Monitoring Location OB02A - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.3970	0.0050 U	--	0.0050 U	96.30	0.0050 U	0.0050 U	0.0050 U	0.5800	0.00500 U
3/12	0.0050 U	0.0050 U	0.3560	0.0050 U	--	0.0050 U	94.00	0.0050 U	0.0050 U	0.0051	0.3960	0.00500 U
9/12	0.0050 U	0.0050 U	0.0568	0.0050 U	--	0.0050 U	24.70	0.0050 U	0.0050 U	0.0050 U	0.7930	0.00500 U
3/13	0.0050 U	0.0050 U	0.3850	0.0050 U	--	0.0050 U	90.30	0.0050 U	0.0050 U	0.0112	0.4860	0.00500 U
9/13	0.0050 U	0.0050 U	0.4390	0.0050 U	--	0.0050 U	112.00	0.0050 U	0.0050 U	0.0050 U	0.5210	0.00500 U
3/14	0.0050 U	0.0050 U	0.3990	0.0050 U	--	0.0050 U	88.90	0.0050 U	0.0050 U	0.0050 U	0.5740	0.00500 U
9/14	0.0050 U	0.0050 U	0.4360	0.0050 U	--	0.0050 U	91.20	0.0050 U	0.0050 U	0.0050 U	0.5670	0.00500 U
3/15	0.0020 U	0.0020 U	0.3000	0.0020 U	--	0.0040 U	80.00	0.0033 J	0.0100 U	0.0035 J	0.6200	0.00200 U
8/15	0.0010 U	0.0010 U	0.4600	0.0010 U	--	0.0005 U	110.00	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00100 U
3/16	0.0020 U	0.0020 U	0.4360	0.0020 U	--	0.0020 U	102.00	0.0020 U	0.0020 U	0.0020 U	0.7030	0.00200 U
8/16	0.0020 U	0.0020 U	0.4730	0.0020 U	--	0.0020 U	103.00	0.0020 U	0.0020 U	0.0020 U	1.3300	0.00200 U
3/17	0.0050 U	0.0050 U	0.4770	0.0050 U	--	0.0050 U	111.00	0.0050 U	0.0050 U	0.0050 U	1.2100	0.00500 U
9/17	0.0020 U	0.0020 U	0.4880	0.0020 U	--	0.0020 U	107.00	0.0020 U	0.0020 U	0.0020 U	0.9220	0.00200 U
3/18	0.0050 U	0.0050 U	0.4930	0.0050 U	--	0.0050 U	109.00	0.0050 U	0.0050 U	0.0050 U	2.0100	0.00500 U
9/18	0.0020 U	0.0020 U	0.4260	0.0020 U	--	0.0020 U	94.70	0.0028	0.0020 U	0.0020 U	0.0500 U	0.00200 U
4/19	0.0010 U	0.0010 U	0.2140	0.0010 U	--	0.0010 U	48.20	0.0086	0.0010 U	0.0020	0.7570	0.00100 U
8/19	0.0010 U	0.0010 U	0.3410	0.0010 U	--	0.0010 U	69.00	0.0010 U	0.0010 U	0.0010 U	0.1000 U	0.00100 U
3/20	0.0010 U	0.0010 U	0.3370	0.0010 U	--	0.0010 U	74.20	0.0010 U	0.0010 U	0.0032	0.1230	0.00100 U
8/20	0.0010 U	0.0010 U	0.4040	0.0010 U	--	0.0010 U	74.10	0.0030	0.0010 U	0.0023	1.0600	0.00100 U
3/21	0.0010 U	0.0010 U	0.3300	0.0010 U	--	0.0010 U	73.10	0.0010 U	0.0010 U	0.0018	0.0160 J	0.00100 U

Gude Landfill
Monitoring Location OB02A - Total Metals

Printed 6/22/21

	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			
4/01	--	0.03620	0.000100 U	0.0035	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U	0.01750
9/01	--	0.01420	0.000200 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
3/02	--	0.02160	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
9/02	--	0.10270	0.000100 U	0.0083	--	0.00120 U	0.0096 U	--	0.0010 U	0.0020 U	0.00030 U	--
6/03	--	0.03450	0.000200 U	0.0052	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U	--
10/03	--	0.02170	0.000200 U	0.0040	--	0.00070 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U	--
3/04	--	0.03270	0.000200 U	0.0049	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00200 U	--
9/04	--	0.03660	0.000200	0.0059	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U	--
4/05	--	0.03130	0.000100 U	0.0064	--	0.00100 U	0.0018 U	--	0.0006 U	0.0839	0.00200 U	--
9/05	--	0.03030	0.001300	0.0060	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
4/06	--	0.01280	0.000200 U	0.0061	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	0.00200 U	0.000200 U	0.0082	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000200 U	0.0092	--	0.00080 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.00680
10/07	--	--	0.000200 U	0.0059	--	0.00080 U	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U	0.01560
3/08	--	--	0.000200 U	0.0077	--	0.00090 U	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U	0.01000 U
9/08	--	--	0.000200 U	0.0073	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02000 U
3/09	--	--	0.000200 U	0.0092	--	0.00090 U	0.0008 U	--	0.0006 U	0.0011 U	0.00060 U	0.01310
9/09	46.400	0.03810	0.000200 U	0.0122	4.730	0.00200 U	0.0020 U	31.20	0.0020 U	--	0.00020 J	0.01000 U
7/10	--	--	0.000200 U	0.0099	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01200
9/10	52.300	0.04490	0.000200 U	0.0120	4.690	0.00500 U	0.0050 U	35.00	0.0050 U	--	0.00500 U	0.00810
4/11	53.400	0.05130	0.000200 U	0.0110	5.200	0.00500 U	0.0050 U	31.60 J	0.0050 U	--	0.00500 U	0.00823

Gude Landfill
Monitoring Location OB02A - Total Metals

Printed 6/22/21

	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	59.100	0.04650	0.000200 U	--	5.780	0.00500 U	0.0050 U	34.90	0.0050 U	--	0.00500 U	0.00783
3/12	53.100	0.04490	0.000200 U	0.0138	4.820	0.00500 U	0.0050 U	37.50	0.0050 U	--	0.00500 U	0.00652
9/12	10.600	0.71800	0.000200 U	0.0135	3.560	0.00500 U	0.0050 U	10.90	0.0050 U	--	0.00500 U	0.00607
3/13	52.400	0.04180	0.000200 U	0.0115	5.240	0.00500 U	0.0050 U	35.90	0.0050 U	--	0.00500 U	0.00696
9/13	66.700	0.05480	0.000200 U	0.0131	5.510	0.00500 U	0.0050 U	39.80	0.0050 U	--	0.00500 U	0.00883
3/14	49.200	0.04690	0.000200 U	0.0148	5.010	0.00500 U	0.0050 U	30.90	0.0050 U	--	0.00500 U	0.00758
9/14	54.300	0.05030	0.000200 U	0.0125	4.950	0.00500 U	0.0050 U	36.80	0.0050 U	--	0.00500 U	0.00972
3/15	42.000	0.03100	0.000200 U	0.0110 U	3.500	0.03500 U	0.0100 U	26.00	0.0020 U	--	0.01000 U	0.01300
8/15	64.000	0.04300	0.000200 U	0.0100 U	5.900	0.00500 U	0.0010 U	46.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	59.600	0.05440	0.000200 U	0.0111	4.460	0.00200 U	0.0020 U	41.20	0.0010 U	--	0.00200 U	0.00474
8/16	62.700	0.05190	0.000200 U	0.0120	5.430	0.00200 U	0.0020 U	43.70	0.0010 U	--	0.00202	0.00498
3/17	67.300	0.05330	0.000200 U	0.0168	5.530	0.00500 U	0.0050 U	47.30	0.0050 U	--	0.00522	0.00909
9/17	65.600	0.04380	0.000200 U	0.0111	5.270	0.00200 U	0.0020 U	46.00	0.0010 U	--	0.00200 U	0.00518
3/18	65.700	0.04680	0.000475	0.0145	5.800	0.00500 U	0.0050 U	48.10	0.0050 U	--	0.00500 U	0.03910
9/18	57.300	0.03480	0.000200 U	0.0117	5.300	0.00200 U	0.0020 U	43.50	0.0010 U	--	0.00200 U	0.00457
4/19	31.800	0.04370	0.000595	0.0108	3.090	0.00100 U	0.0010 U	28.00	0.0010 U	--	0.00141	0.00945
8/19	50.300	0.03470	0.000117	0.0090	4.550	0.00100 U	0.0010 U	41.10	0.0010 U	--	0.00100 U	0.00400 U
3/20	50.200	0.03820	0.000105	0.0084	4.440	0.00100 U	0.0010 U	40.10	0.0010 U	--	0.00100 U	0.00615
8/20	54.800	0.05010	0.000465	0.0107	5.440	0.00100 U	0.0010 U	46.10	0.0010 U	--	0.00246	0.00691
3/21	48.300	0.04090	0.000100 U	0.0081	4.170	0.00100 U	0.0010 U	41.40	0.0010 U	--	0.00100 U	0.00822 B

Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
4/01	--	--	--	--	0.13	--	--	--	--	10.00 U	--	--	--	--	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	4.01	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	1.84	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	4.14	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	5.40	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	5.99	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	1.00 U	0.17 U	1.24	0.19 U	1.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	1.77	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	1.24	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	1.10	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	0.30 J
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

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-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)	1,4-Dichlorobenzene (ug/L)
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
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	1.00 U	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/16	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
3/17	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
9/17	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
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
9/18	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	1.00 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	1.00 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	2.76	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
10/03	0.11 U	0.36	0.18 U	--	0.15 U	--	3.50	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	1.00 U
3/04	0.11 U	5.15	1.00 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	2.80	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	1.00 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.09 U	--	0.13 U	0.17 U	0.10 U
9/08	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.86 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB02A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB02A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
4/01	--	--	1.22	--	--	--	0.07	--	--	--	--	--	--	0.78
9/01	0.23 U	0.21 U	67.24	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.31	0.27 U	0.21 U	1.05
3/02	0.23 U	0.21 U	40.15	0.19 U	1.00 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U
9/02	0.23 U	0.21 U	143.07	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U
6/03	0.23 U	0.21 U	162.61	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	6.60
10/03	0.23 U	0.21 U	189.59	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	1.00 U	1.00 U	0.21 U	12.10
3/04	0.23 U	1.00 U	66.86	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.52
9/04	0.27 U	0.25 U	48.26	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.05
4/05	0.27 U	0.25 U	19.58	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	2.46
9/05	0.27 U	0.25 U	43.45	0.29 U	0.27 U	0.23 U	2.00 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.45
4/06	0.27 U	0.25 U	6.90	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U
9/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
4/07	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	0.27 U	0.25 U	5.96	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U
3/08	0.21 U	0.15 U	0.56	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U
9/08	0.12 U	0.20 U	6.87	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.61
3/09	0.12 U	0.20 U	9.19	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.50 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	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	0.45 J
7/10	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

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 6/22/21

Monitoring Location OB02A - Volatile Organic Compounds

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
3/12	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
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
8/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U
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	1.00 U
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	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB02A - Volatile Organic Compounds

Printed 6/22/21

	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	1000	100			5			2	10000
4/01	--	--	--	--	1.31	--	--	--	--
9/01	0.24 U	1.20	0.13 U	0.14 U	3.77	1.00 U	--	--	0.27 U
3/02	0.24 U	0.22 U	0.13 U	0.14 U	3.57	0.18 U	--	--	0.27 U
9/02	0.24 U	1.20	0.13 U	0.14 U	5.06	0.18 U	--	--	0.27 U
6/03	0.24 U	1.67	0.13 U	0.14 U	26.98	0.18 U	--	--	0.27 U
10/03	0.24 U	3.37	0.13 U	0.14 U	30.84	0.18 U	--	11.19	1.00 U
3/04	0.24 U	1.00 U	0.13 U	0.14 U	9.27	0.18 U	--	1.68	0.27 U
9/04	0.32 U	1.00 U	0.24 U	0.30 U	6.68	0.36 U	--	3.45	0.18 U
4/05	0.32 U	1.00 U	0.24 U	0.30 U	5.14	0.36 U	--	1.39	0.18 U
9/05	0.32 U	0.45 U	0.24 U	0.30 U	4.60	0.36 U	--	1.74	0.18 U
4/06	0.32 U	0.45 U	0.24 U	0.30 U	2.27	0.36 U	--	0.32 U	0.18 U
9/06	0.32 U	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/07	0.32 U	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.32 U	0.45 U	0.24 U	0.30 U	1.57	0.36 U	--	0.32 U	0.18 U
3/08	0.28 U	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
9/08	0.12 U	0.50 U	0.13 U	--	1.39	0.10 U	--	0.50 U	0.11 U
3/09	0.12 U	0.14 U	0.13 U	--	1.01	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
7/10	1.00 U	1.00 U	1.00 U	5.00 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 OB02A - Volatile Organic Compounds

Printed 6/22/21

	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)
9/10	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
4/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	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
8/19	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
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
8/20	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
3/21	1.00 U	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 OB03 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	66.5626	0.002	--	--	--	--	--	--	--	--	--
9/01	--	--	--	89.5385	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	74.9460	0.006	--	--	--	--	--	--	--	--	--
6/03	--	--	--	174.2270	0.002 U	--	--	--	--	--	--	--	--	0.050
10/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.085
3/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.029
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.062
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
9/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.060
4/06	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.046
9/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.065
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.050
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	265.0	2.39	13.6	134.0000	--	--	690.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	242.0	2.90	10.1	155.0000	--	--	400.0	0.2000 U	0.20 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB03 - General Parameters

Printed 6/22/21

	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)
4/11	267.0	4.97	28.8	220.0000	--	--	3600.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	216.0	2.56	16.8	163.0000	--	--	410.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	187.0	3.48	24.3	222.0000	--	--	400.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	241.0	2.43	18.0	169.0000	--	--	360.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	221.0	2.70	17.8	192.0000	--	0.03	348.0	0.2000 U	0.20 U	0.05 U	256.0	5.93	--	--
9/13	233.0	2.29	13.2	157.0000	--	0.04	330.0	0.2000 U	0.20 U	0.05 U	239.0	5.84	--	--
3/14	212.0	3.45	15.6	201.0000	--	0.03	420.0	0.2000 U	--	--	211.0	5.73	--	--
9/14	227.0	3.15	19.7	194.0000	--	2.08	370.0	0.2000 U	0.20 U	0.05 U	229.0	6.01	--	--
3/15	213.0	2.77	18.3	202.0000	--	0.00	404.0	0.2000 U	0.20 U	0.05 U	254.0	5.81	--	--
8/15	243.0	2.39	21.2	183.0000	--	1.44	620.0	0.2000 U	0.20 U	0.05 U	181.0	5.78	--	--
3/16	210.0	2.04	19.3	201.0000	--	0.00	396.0	0.2000 U	0.20 U	0.05 U	195.0	6.09	--	--
8/16	248.0	1.95	17.3	189.0000	--	--	376.0	0.2000 U	0.20 U	0.05 U	187.0	5.60	--	--
3/17	250.0	0.70	29.1	525.0000	--	4.23	850.0	0.2000 U	0.20 U	0.05 U	193.0	5.81	--	--
9/17	293.0	1.21	13.9	182.0000	--	--	450.0	0.2000 U	0.20 U	0.05 U	231.0	5.86	--	--
3/18	280.0	1.43	25.5	195.0000	--	--	400.0	0.2000 U	0.20 U	0.05 U	32.0	5.85	--	--
9/18	231.0	1.68	75.0	218.0000	--	--	362.0	0.2000 U	0.20 U	0.05 U	-1.0	5.76	--	--
4/19	231.0	2.45	27.0	203.0000	--	0.19	329.0	0.2000 U	--	--	12.8	6.01	6.23	--
8/19	238.0	2.62	15.1	218.0000	--	0.15	332.0	0.2000 U	--	--	37.5	5.57	6.23	--
3/20	238.0	1.96	19.5	210.0000	--	0.42	383.0	0.2000 U	--	--	39.1	5.87	6.03	--
8/20	184.0	2.24	26.1	206.0000	--	0.63	350.0	1.2500	--	--	36.1	5.85	5.93	--
3/21	260.0	2.27	12.8	209.0000	--	0.47	339.0	0.0500 U	--	--	-9.1	6.17	6.22	--

Gude Landfill
Monitoring Location OB03 - General Parameters

Printed 6/22/21

	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										
4/01	--	--	--	--	--	--	--	--	4.200	--
9/01	--	--	--	--	--	--	--	--	50.500	--
3/02	--	--	--	--	--	--	--	--	136.000	--
6/03	--	--	--	--	--	--	0	--	248.000	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	8.84	--	--	564.0	--	--	11.000	--
7/10	--	--	--	3.4	--	--	--	--	--	--
9/10	--	--	16.70	--	--	676.0	--	--	22.900	--

Gude Landfill
Monitoring Location OB03 - General Parameters

Printed 6/22/21

	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)
4/11	--	--	41.40	--	--	784.0	--	--	2.810	--
9/11	--	--	22.00	--	--	804.0	--	--	--	--
3/12	--	--	28.50	--	--	888.0	--	--	--	--
9/12	--	--	13.10	--	--	604.0	--	--	--	--
3/13	1.1	--	18.60	--	15.6	572.0	--	--	--	0.00
9/13	887.2	--	16.80	--	16.3	568.0	--	--	--	0.00
3/14	1025.0	--	36.20	--	15.9	602.0	--	--	--	1.18
9/14	980.6	--	23.40	--	16.6	540.0	--	--	--	0.00
3/15	824.4	--	32.20	--	14.2	584.0	--	--	--	0.00
8/15	952.0	--	12.60	--	18.0	516.0	--	--	--	9.80
3/16	970.2	--	21.50	--	14.8	574.0	--	--	--	0.00
8/16	978.0	--	14.30	--	16.8	562.0	--	--	--	0.00
3/17	986.0	--	17.50	--	15.5	1070.0	--	--	--	0.30
9/17	978.8	--	11.80	--	17.3	601.0	--	--	--	0.60
3/18	1010.0	--	14.00	--	12.0	643.0	--	--	--	4.00
9/18	1081.0	--	25.30	--	16.7	612.0	--	--	--	0.00
4/19	1326.0	1050.0	50.50	--	13.7	656.0	--	4.9	13.200	4.00
8/19	1.1	1120.0	32.20	--	16.4	636.0	--	3.4	7.380	0.00
3/20	1130.0	1150.0	27.20	--	17.0	621.0	--	5.1	18.300	3.50
8/20	1039.0	1210.0	25.40	--	17.0	652.0	--	3.7	44.900	1.40
3/21	1334.0	1230.0	35.90	--	17.0	725.0	--	16.2	31.100	11.20

Gude Landfill
Monitoring Location OB03 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
8/15	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
3/16	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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		
4/11	0.02	8.8	0.005 U	0.01 U	71.7	0.005 U	0.01 U	0.013
9/11	0.02	--	--	--	--	--	--	--
3/12	0.02	8.2	0.005	0.01 U	57.7	0.005 U	0.01 U	0.015
9/12	0.02	6.7	0.006	0.01 U	36.7	0.005 U	0.01 U	0.017
3/13	0.02	8.3	0.005 U	0.01 U	45.5	0.005 U	0.01 U	0.014
9/13	0.02	6.0	0.005 U	0.01 U	37.8	0.005 U	0.01 U	0.017
3/14	0.02	8.2	0.005 U	0.01 U	55.1	0.005 U	0.01 U	0.013
9/14	0.02	7.2	0.005 U	0.01 U	47.6	0.005 U	0.01 U	0.017
3/15	0.02	7.2	0.035 U	0.01 U	48.0	0.001 J	0.01 U	0.013
8/15	0.11	7.5	0.005 U	0.00 U	42.0	0.001	0.01 U	0.013
3/16	0.01	6.2	0.003	0.00 U	42.4	0.001	0.00 U	0.009
8/16	0.01	6.1	0.003	0.00 U	39.0	0.001 U	0.00 U	0.013
3/17	0.02	5.8	0.005	0.00 U	39.2	0.001 U	0.00 U	0.014
9/17	0.01	5.1	0.002	0.00 U	36.8	0.001 U	0.00 U	0.009
3/18	0.02	5.4	0.005	0.00 U	35.7	0.001 U	0.00	0.014
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.3766	0.0005 U	--	0.0006 U	--	0.0116	0.0444	0.0100 U	--	0.00130 U
9/01	0.0032	0.0054	0.8745	0.0017 U	--	0.0020 U	--	0.0020 U	0.0543	0.0108	--	0.00200 U
3/02	0.0020 U	0.0040	0.5552	0.0017 U	--	0.0020 U	--	0.0048	0.0545	0.0106	--	0.00210
6/03	0.0020 U	0.0087	1.2980	0.0004 U	--	0.0020 U	--	0.0020 U	0.0592	0.0120	--	0.00410
10/03	0.0009 U	0.0027	1.3910	0.0016 U	--	0.0020 U	--	0.0020	0.0318	0.0161	--	0.00290
3/04	0.0009 U	0.0085	1.3530	0.0016 U	--	0.0007 U	--	0.0024	0.0755	0.0100 U	--	0.00360
9/04	0.0028 U	0.0085	1.8960	0.0012 U	--	0.0020 U	--	0.0045	0.0614	0.0132	--	0.00200
4/05	0.0028 U	0.0232	1.6900	0.0012 U	--	0.0020 U	--	0.0044	0.0711	0.0145	--	0.00300
9/05	0.0028 U	0.0079	1.3490	0.0012 U	--	0.0020 U	--	0.0031	0.0655	0.0153	--	0.00270
4/06	0.0006 U	0.0066	1.1010	0.0007 U	--	0.0020 U	--	0.0020 U	0.0593	0.0093	--	0.00310
9/06	0.0007 U	0.0023	0.6512	0.0009 U	--	0.0020 U	--	0.0295	0.0555	0.0499	--	0.02000
4/07	0.0007 U	0.0023	0.7963	0.0009 U	0.080	--	--	0.0020 U	0.0674	0.0064	--	0.00070 U
10/07	0.0020 U	0.0046	0.9091	0.0009 U	0.053	--	--	0.0020 U	0.0581	0.0113	--	0.00200 U
3/08	0.0005 U	0.0040	0.7536	0.0010 U	0.036	--	--	0.0020 U	0.0556	0.0066	--	0.00200 U
9/08	0.0010 U	0.0040 U	0.5928	0.0020 U	0.054	--	--	0.0016 U	0.0530	0.0077	--	0.00400 U
3/09	0.0010 U	0.0100 U	0.5995	0.0012 U	0.065	--	--	0.0100 U	0.0569	0.0100 U	--	0.01000 U
9/09	0.0020 U	0.0024	0.5880	0.0020 U	--	0.0020 U	59.90	0.0020 U	0.0643	0.0063	28.8000	0.00200 U
7/10	0.0010 U	0.0034	0.5500	0.0010 U	--	0.0010 U	--	0.0021	0.0610	0.0040	--	0.00110
9/10	0.0050 U	0.0050 U	0.5920	0.0050 U	--	0.0050 U	62.30	0.0050 U	0.0659	0.0124	25.0000	0.00500 U
4/11	0.0050 U	0.0050 U	0.7360	0.0050 U	--	0.0050 U	69.00	0.0050 U	0.0629	0.0076	23.6000 J	0.00500 U
9/11	0.0050 U	0.0050 U	0.5800	0.0050 U	--	0.0050 U	65.30	0.0050 U	0.0554	0.0050 U	22.1900	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 6/22/21

	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)
3/12	0.0050 U	0.0050 U	0.6970	0.0050 U	--	0.0050 U	74.40	0.0050 U	0.0634	0.0082	23.6800	0.00500 U
9/12	0.0050 U	0.0050 U	0.5710	0.0050 U	--	0.0050 U	64.30	0.0050 U	0.0670	0.0050 U	21.7000	0.00500 U
3/13	0.0050 U	0.0050 U	0.5730	0.0050 U	--	0.0050 U	67.40	0.0050 U	0.0531	0.0113	21.8000	0.00500 U
9/13	0.0050 U	0.0050 U	0.5980	0.0050 U	--	0.0050 U	64.40	0.0050 U	0.0566	0.0050 U	20.6000	0.00500 U
3/14	0.0050 U	0.0050 U	0.5540	0.0050 U	--	0.0050 U	65.60	0.0050 U	0.0526	0.0050 U	19.0000	0.00500 U
9/14	0.0050 U	0.0050 U	0.5360	0.0050 U	--	0.0050 U	60.20	0.0050 U	0.0522	0.0050 U	17.6000	0.00500 U
3/15	0.0020 U	0.0031	0.5200	0.0020 U	--	0.0040 U	70.00	0.0100 U	0.0560	0.0019 J	21.0000	0.00200 U
8/15	0.0010 U	0.0028	0.4900	0.0010 U	--	0.0005 U	74.00	0.0350	0.0610	0.0050 U	21.0000	0.00100 U
3/16	0.0020 U	0.0026	0.5000	0.0020 U	--	0.0020 U	69.60	0.0025	0.0484	0.0020 U	20.9000	0.00200 U
8/16	0.0020 U	0.0025	0.4670	0.0020 U	--	0.0020 U	69.00	0.0020 U	0.0544	0.0020 U	22.4000	0.00200 U
3/17	0.0020 U	0.0065	0.3120	0.0020 U	--	0.0020 U	176.00	0.0059	0.0020 U	0.0363	0.9000	0.00200 U
9/17	0.0020 U	0.0027	0.4630	0.0020 U	--	0.0020 U	76.50	0.0033	0.0544	0.0020 U	23.7000	0.00200 U
3/18	0.0020 U	0.0037	0.4790	0.0020 U	--	0.0020 U	81.20	0.0094	0.0525	0.0020 U	23.1000	0.00200 U
9/18	0.0020 U	0.0045	0.4340	0.0020 U	--	0.0020 U	76.00	0.0116	0.0467	0.0020 U	22.2000	0.00200 U
4/19	0.0010 U	0.0025	0.3410	0.0010 U	--	0.0010 U	61.30	0.0026	0.0364	0.0054	17.2000	0.00100 U
8/19	0.0010 U	0.0022	0.4030	0.0010 U	--	0.0010 U	61.40	0.0019	0.0406	0.0010 U	18.0000	0.00100 U
3/20	0.0010 U	0.0022	0.4540	0.0010 U	--	0.0010 U	70.40	0.0014	0.0480	0.0016	21.8000	0.00100 U
8/20	0.0010 U	0.0024	0.4480	0.0010 U	--	0.0010 U	65.20	0.0019	0.0493	0.0010 U	22.2000	0.00100 U
3/21	0.0010 U	0.0016	0.4230	0.0010 U	--	0.0010 U	68.20	0.0010 U	0.0411	0.0013 B	13.7000	0.00100 U

Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	12.29000	0.000100 U	0.0099	--	0.00180 U	0.0052 U	--	0.0020 U	0.2000 U	0.00200 U
9/01	--	16.25000	0.000100 U	0.0133	--	0.00200 U	0.0044 U	--	0.0012	0.2000 U	0.00200 U
3/02	--	15.48000	0.000100 U	0.0151	--	0.00200 U	0.0044 U	--	0.0011	0.2000 U	0.00200 U
6/03	--	15.97000	0.000200 U	0.0166	--	0.00210	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
10/03	--	9.80100	0.000200 U	0.0114	--	0.00200 U	0.0022 U	--	0.0010 U	0.0003 U	0.00390
3/04	--	18.17000	0.000200 U	0.0183	--	0.00200 U	0.0022 U	--	0.0010 U	0.0020 U	0.00390
9/04	--	19.31000	0.000100 U	0.0180	--	0.00480	0.0018 U	--	0.0012	0.0020 U	0.00590
4/05	--	20.57750	0.000100 U	0.0194	--	0.00460	0.0018 U	--	0.0012	0.0050 U	0.00780
9/05	--	19.79000	0.000300	0.0172	--	0.00350	0.0018 U	--	0.0012	0.0050 U	0.00320
4/06	--	20.77430	0.000100 U	0.0171	--	0.00200 U	0.0004 U	--	0.0020 U	0.0050 U	0.00200 U
9/06	--	16.74000	0.000200 U	0.0408	--	0.00080 U	0.0005 U	--	0.0020 U	0.0050 U	0.02190
4/07	--	--	0.000200 U	0.0190	--	0.00200 U	0.0005 U	--	0.0020 U	0.0500 U	0.00070 U
10/07	--	--	0.000200 U	0.0175	--	0.00200 U	0.0005 U	--	0.0020 U	0.0020 U	0.00230
3/08	--	--	0.000200 U	0.0168	--	0.00200 U	0.0008 U	--	0.0015	0.0500 U	0.00200 U
9/08	--	--	0.000200 U	0.0142	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000200 U	0.0162	--	0.01000 U	0.0043 U	--	0.0050 U	0.0011 U	0.01000 U
9/09	33.200	18.50000	0.000200 U	0.0183	10.200	0.00200 U	0.0020 U	35.90	0.0020 U	--	0.00050 U
7/10	--	--	0.000200 U	0.0200	--	0.00100 U	0.0010 U	--	0.0016	0.0050 U	0.00500 U
9/10	35.600	21.30000	0.000200 U	0.0197	6.940	0.00500 U	0.0050 U	41.60	0.0050 U	--	0.00500 U
4/11	47.100 J	18.50000	0.000200 U	0.0176	10.100	0.00500 U	0.0050 U	74.20	0.0050 U	--	0.00500 U
9/11	41.100	19.00000	0.000200 U	--	7.000	0.00500 U	0.0050 U	44.20	0.0050 U	--	0.00500 U

Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 6/22/21

	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)
3/12	42.700	19.60000	0.000250	0.0209	7.950	0.00545	0.0050 U	58.90	0.0050 U	--	0.00500 U
9/12	37.000	18.80000	0.000200 U	0.0229	6.770	0.00500 U	0.0050 U	35.70	0.0050 U	--	0.00500 U
3/13	35.200	19.50000	0.000200 U	0.0170	9.310	0.00500 U	0.0050 U	43.80	0.0050 U	--	0.00500 U
9/13	38.600	19.40000	0.000470	0.0205	5.770	0.00500 U	0.0050 U	35.70	0.0050 U	--	0.00500 U
3/14	37.400	17.30000	0.000200 U	0.0176	8.520	0.00500 U	0.0050 U	53.80	0.0050 U	--	0.00500 U
9/14	35.300	20.60000	0.000200 U	0.0165	7.120	0.00500 U	0.0050 U	43.60	0.0050 U	--	0.00500 U
3/15	40.000	19.00000	0.000200 U	0.0110 U	7.000	0.03500 U	0.0100 U	47.00	0.0011 J	--	0.01000 U
8/15	41.000	19.00000	0.000200 U	0.0320	7.400	0.00500 U	0.0010 U	41.00	0.0013	--	0.00500 U
3/16	40.700	26.80000	0.000200 U	0.0126	5.720	0.00290	0.0020 U	42.90	0.0011	--	0.00200 U
8/16	40.600	18.80000	0.000200 U	0.0145	6.280	0.00267	0.0020 U	38.40	0.0011	--	0.00200 U
3/17	91.500	3.13000	0.000200 U	0.0177	6.970	0.03170	0.0020 U	69.40	0.0010 U	--	0.00446
9/17	46.900	19.10000	0.000200 U	0.0144	5.220	0.00249	0.0020 U	36.80	0.0010 U	--	0.00200 U
3/18	46.400	20.90000	0.000200 U	0.0166	5.330	0.00565	0.0020 U	36.20	0.0010 U	--	0.00284
9/18	41.900	18.30000	0.000200 U	0.0145	6.010	0.00492	0.0020 U	46.00	0.0010 U	--	0.00334
4/19	42.800	16.80000	0.000100 U	0.0124	7.070	0.00100 U	0.0010 U	62.00 B	0.0010 U	--	0.00100 U
8/19	43.300	19.80000	0.000100 U	0.0133	6.820	0.00100 U	0.0010 U	57.30	0.0010 U	--	0.00100 U
3/20	50.300	21.30000	0.000100 U	0.0147	8.730	0.00100 U	0.0010 U	56.30	0.0010 U	--	0.00100 U
8/20	45.500	21.90000	0.000100 U	0.0146	7.390	0.00100 U	0.0010 U	54.40	0.0010 U	--	0.00100 U
3/21	41.000	17.30000	0.000100 U	0.0115	22.000	0.00130	0.0010 U	59.00	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
4/01	--
9/01	--
3/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.01260
10/07	0.02530
3/08	0.02080
9/08	0.02000 U
3/09	0.03360
9/09	0.01000 U
7/10	0.02500
9/10	0.01650
4/11	0.01480
9/11	0.01410

Gude Landfill
Monitoring Location OB03 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

3/12	0.01750
9/12	0.01480
3/13	0.01420
9/13	0.01540
3/14	0.01370
9/14	0.01660
3/15	0.01300
8/15	0.01500
3/16	0.00931
8/16	0.01050
3/17	0.00709
9/17	0.00950
3/18	0.01350
9/18	0.00926
4/19	0.02300
8/19	0.00792 B
3/20	0.00906
8/20	0.00807
3/21	0.01760

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7				0.2	0.05	600	5	5		75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	38.54	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	2.25	7.80	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	3.77	49.88	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	2.73	9.57	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	4.07	58.99	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	3.49	12.62	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	27.30	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	6.32	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	25.91	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	0.19 U	1.64	6.70	0.19 U	11.54
3/04	0.18 U	0.15 U	0.23 U	0.22 U	27.74	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	2.45	7.91	0.19 U	16.14
9/04	0.13 U	0.24 U	0.44 U	0.25 U	33.30	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	2.33	10.73	0.33 U	10.24
4/05	0.13 U	0.24 U	0.44 U	0.25 U	29.03	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.89	10.53	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	42.38	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	3.03	11.53	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	36.78	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	2.58	9.40	0.33 U	10.01
9/06	0.13 U	0.24 U	0.44 U	0.25 U	21.95	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	3.87	13.74	0.33 U	10.47
4/07	0.13 U	0.24 U	0.44 U	0.25 U	34.70	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	2.95	9.67	0.33 U	11.86
10/07	0.13 U	0.24 U	0.44 U	0.25 U	44.70	1.00 U	0.35 U	0.40 U	1.07	0.28 U	10.00 U	5.32	15.23	0.33 U	10.11
3/08	0.18 U	0.18 U	0.21 U	0.23 U	47.23	0.63	0.26 U	0.14 U	0.24 U	0.16 U	1.82	4.98	14.47	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	36.07	0.50 U	0.13 U	0.17 U	0.20 U	0.08 U	1.34	4.09	12.33	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	48.38	0.72	0.13 U	0.17 U	0.20 U	0.08 U	--	4.81	16.14	0.13 U	--
9/09	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	1.84	1.00 U	15.80	1.00 U	13.60
7/10	1.00 U	1.00 U	1.00 U	1.00 U	50.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	2.00	4.00	13.00	1.00 U	15.00
9/10	2.00 U	2.00 U	2.00 U	2.00 U	36.40	0.71 J	2.00 U	2.00 U	1.52 J	2.00 U	1.92 J	3.84	10.10	2.00 U	11.30

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
4/11	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	1.00 U	1.00 U	4.10	--	1.00 U
9/11	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	1.00 U	6.00	11.00	--	1.00 U
3/12	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	1.20	1.00 U	6.80	--	9.70
9/12	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	12.80	1.00 U	16.60
3/13	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	1.47	3.68	10.50	1.00 U	12.40
9/13	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	1.57	2.61	15.30	1.00 U	18.20
3/14	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	--	1.87	5.49	1.00 U	8.08
9/14	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	1.29	3.74	8.57	1.00 U	12.20
3/15	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	1.06	2.69	6.90	1.00 U	8.84
8/15	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	1.51	4.29	9.63	1.00 U	14.00
3/16	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	1.54	3.54	8.41	1.00 U	13.50
8/16	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	1.69	3.82	8.28	1.00 U	16.50
3/17	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	1.97	3.67	7.23	1.00 U	18.60
9/17	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	2.01	3.50	7.06	1.00 U	19.50
3/18	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	1.47	3.38	6.16	1.00 U	14.20
9/18	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	1.06	2.17	4.52	1.00 U	10.00
4/19	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	1.00 U	1.20	2.70	1.00 U	5.10
8/19	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	1.00 U	2.00	4.10	1.00 U	9.40
3/20	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	1.20	1.60	3.60	1.00 U	11.20
8/20	1.00 U	1.00 U	1.00 U	1.00 U	17.40	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.40	2.50	4.70	1.00 U	15.20
3/21	1.00 U	1.00 U	1.00 U	1.00 U	8.80	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	2.10	1.00 U	6.30

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	0.15 U	--	8.60	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.86	1.68
9/01	0.11 U	--	0.18 U	--	1.00 U	--	8.08	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.12	3.32
3/02	0.11 U	--	0.18 U	--	1.00 U	--	9.03	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.36	2.19
6/03	0.11 U	--	0.18 U	--	0.15 U	--	5.17	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	6.95	1.92
10/03	0.11 U	1.69	0.18 U	--	0.15 U	--	5.50	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	6.31	2.01
3/04	0.11 U	4.67	1.00 U	--	0.15 U	--	6.58	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	6.25	2.35
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	5.28	0.34 U	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	4.42	1.11
4/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	2.40	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.22	1.90
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	4.29	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	3.24	1.67
4/06	0.23 U	0.29 U	0.19 U	--	1.00 U	--	3.34	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.92	1.48
9/06	0.23 U	1.00 U	0.19 U	--	0.39 U	--	4.53	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	3.98	1.49
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	3.99	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	5.59	1.59
10/07	0.23 U	1.00 U	1.00 U	--	0.39 U	--	6.12	0.34 U	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	3.89	0.31 U
3/08	0.19 U	--	--	--	--	--	4.62	0.12 U	0.19 U	0.12 U	0.53	--	0.13 U	2.32	1.23
9/08	0.50 U	--	--	--	--	--	3.20	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	2.04	1.19
3/09	0.22 U	--	--	--	--	--	5.53	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	2.76	1.61
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.14 J	1.00 U	4.56	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	2.98	1.55
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	6.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.24	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.26	1.51 J

Shaded concentrations represent MCL/GWPS exceedances

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Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
4/11	--	5.00 U	5.00 U	5.00 U	8.10	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.00 U	5.70	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.10	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.44	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.04	1.20
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.38	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.43	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.32	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.80	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.79	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.62	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.35	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.27	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.95	1.10
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.25	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.82	1.05
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.25	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.97	1.54
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.93	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.34	2.22
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.39	1.83
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.31	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.86	2.40
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.63	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.48	1.25
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.90	5.00 U	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
4/01	0.23 U	0.21 U	53.86	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	27.78
9/01	0.23 U	0.21 U	66.93	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.22	0.27 U	0.21 U	61.57
3/02	0.23 U	0.21 U	88.85	0.19 U	1.00 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	90.52
6/03	0.23 U	0.21 U	48.32	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	1.00 U	0.21 U	6.99
10/03	0.23 U	0.21 U	46.23	0.19 U	0.17 U	1.00 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
3/04	0.23 U	1.00 U	47.05	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.65
9/04	0.27 U	1.00 U	67.11	0.29 U	0.27 U	1.00 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	1.00 U	26.04
4/05	0.27 U	0.25 U	56.21	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	3.06
9/05	0.27 U	0.25 U	98.51	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	23.14
4/06	0.27 U	0.25 U	71.67	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.85
9/06	0.27 U	0.25 U	128.85	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	22.97
4/07	0.27 U	0.25 U	87.59	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U
10/07	0.27 U	1.00 U	148.91	0.29 U	0.27 U	1.00 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	1.00 U	27.73
3/08	0.21 U	0.50 U	161.47	0.13 U	0.15 U	0.50 U	1.33	--	5.00 U	0.15 U	0.12 U	0.79	0.20 U	0.20 U
9/08	0.12 U	0.20 U	120.90	0.12 U	0.13 U	0.12 U	0.23 U	--	5.57	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U
3/09	0.12 U	0.50 U	164.77	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	0.17 U	0.50 U	0.11 U	4.49
9/09	1.00 U	1.00 U	156.00	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	2.05	1.00 U	1.00 U	1.00 U	1.00 U	0.61 J
7/10	1.00 U	1.00 U	160.00	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	28.00
9/10	2.00 U	2.00 U	117.00	2.00 U	2.00 U	2.00 U	4.00 U	2.00 U	1.71 J	2.00 U	2.00 U	2.00 U	2.00 U	11.00

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
4/11	1.00 U	5.30	38.00	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
9/11	1.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	6.20
3/12	1.00 U	1.00 U	71.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/12	1.00 U	1.00 U	94.90	1.00 U	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
3/13	1.00 U	1.00 U	97.10	1.00 U	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	2.39
9/13	1.00 U	1.00 U	126.00	1.00 U	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
3/14	1.00 U	1.00 U	54.70	1.00 U	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
9/14	1.00 U	1.00 U	86.00	1.00 U	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	3.19
3/15	1.00 U	1.00 U	74.00	1.00 U	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
8/15	1.00 U	1.00 U	88.50	1.00 U	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
3/16	1.00 U	1.00 U	87.80	1.00 U	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
8/16	1.00 U	1.00 U	81.60	1.00 U	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
3/17	1.00 U	1.00 U	77.20	1.00 U	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
9/17	1.00 U	1.00 U	68.00	1.00 U	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
3/18	1.00 U	1.00 U	67.30	1.00 U	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
9/18	1.00 U	1.00 U	50.20	1.00 U	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
4/19	1.00 U	1.00 U	30.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	1.00 U	47.50	1.00 U	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
3/20	1.00 U	1.00 U	49.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	54.90	1.00 U	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
3/21	1.00 U	1.00 U	28.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	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	1000	100			5			2	10000
4/01	1.00 U	4.60	0.13 U	1.00 U	67.32	5.06	--	--	0.27 U
9/01	0.24 U	5.02	0.13 U	0.14 U	71.90	3.83	--	--	0.27 U
3/02	1.18	5.66	0.13 U	0.14 U	90.07	6.87	--	--	0.27 U
6/03	1.00 U	2.67	0.13 U	0.14 U	47.33	2.38	--	--	1.00 U
10/03	1.00 U	4.19	0.13 U	1.00 U	48.01	2.31	--	12.44	0.27 U
3/04	1.00 U	4.84	0.13 U	0.14 U	53.13	0.18 U	--	--	0.27 U
9/04	0.32 U	4.97	0.24 U	0.30 U	80.53	0.36 U	--	16.08	1.00 U
4/05	0.32 U	4.09	0.24 U	1.00 U	110.03	3.30	--	17.86	0.18 U
9/05	1.00 U	6.27	0.24 U	0.30 U	92.22	0.36 U	--	19.76	1.00 U
4/06	1.00 U	5.19	0.24 U	0.30 U	71.55	3.18	--	11.67	0.18 U
9/06	1.00 U	11.59	0.24 U	0.30 U	112.28	4.34	--	30.39	1.00 U
4/07	1.00 U	7.00	0.24 U	0.30 U	76.03	0.36 U	--	19.65	0.18 U
10/07	1.00 U	12.95	0.24 U	0.30 U	108.24	0.36 U	--	31.39	1.00 U
3/08	2.46	8.87	0.08 U	--	132.60	0.07 U	--	23.16	0.79
9/08	0.50 U	12.43	0.13 U	--	107.44	0.10 U	--	17.61	0.11 U
3/09	0.67	11.02	0.13 U	--	130.79	0.10 U	--	29.48	0.50 U
9/09	1.49	9.59	1.00 U	1.00 U	131.00	4.88	--	30.50	1.00 U
7/10	1.00 U	9.00	1.00 U	5.00 U	92.00	1.00 U	1.00 U	23.00	1.00 U
9/10	2.00 U	7.01	2.00 U	2.00 U	81.60	2.00 U	2.00 U	28.00	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB03 - Volatile Organic Compounds

Printed 6/22/21

	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)
4/11	1.00 U	6.30	1.00 U	5.00 U	21.00	1.00 U	1.00 U	11.00	1.00 U
9/11	1.00 U	14.00	1.00 U	5.00 U	82.00	8.30	1.00 U	41.00	1.00 U
3/12	1.00 U	4.80	1.00 U	5.00 U	47.00	1.00 U	1.00 U	14.00	1.00 U
9/12	1.00 U	7.24	1.00 U	5.00 U	75.60	1.00 U	5.00 U	17.50	1.00 U
3/13	1.00 U	6.92	1.00 U	5.00 U	57.90	1.00 U	5.00 U	17.40	1.00 U
9/13	1.00 U	3.98	1.00 U	5.00 U	87.40	1.00 U	5.00 U	16.80	1.00 U
3/14	1.00 U	3.72	1.00 U	5.00 U	24.20	1.00 U	5.00 U	8.89	1.00 U
9/14	1.00 U	6.61	1.00 U	5.00 U	45.40	1.00 U	5.00 U	18.20	1.00 U
3/15	1.00 U	4.59	1.00 U	5.00 U	21.90	1.00 U	5.00 U	11.10	1.00 U
8/15	1.00 U	6.41	1.00 U	5.00 U	35.20	1.45	5.00 U	12.80	1.00 U
3/16	1.00 U	6.00	1.00 U	5.00 U	14.60	1.77	5.00 U	13.20	1.00 U
8/16	1.00 U	6.09	1.00 U	5.00 U	21.00	2.09	5.00 U	12.20	1.00 U
3/17	1.00 U	5.82	1.00 U	5.00 U	10.60	1.00 U	5.00 U	11.10	1.00 U
9/17	1.00 U	5.24	1.00 U	5.00 U	7.00	1.00 U	5.00 U	8.77	1.00 U
3/18	1.00 U	4.79	1.00 U	5.00 U	2.32	1.00 U	5.00 U	8.71	1.00 U
9/18	1.00 U	3.81	1.00 U	5.00 U	1.82	1.11	5.00 U	9.32	1.00 U
4/19	1.00 U	2.20	1.00 U	1.00 U	1.90	1.00 U	1.00 U	5.80	1.00 U
8/19	1.00 U	3.50	1.00 U	1.00 U	4.00	1.00 U	1.00 U	8.70	1.00 U
3/20	1.00 U	3.80	1.00 U	1.00 U	3.10	1.00 U	1.00 U	8.20	1.00 U
8/20	1.00 U	4.00	1.00 U	1.00 U	2.90	1.00 U	1.00 U	9.80	1.00 U
3/21	1.00 U	1.70	1.00 U	1.00 U	2.90	1.00 U	1.00 U	4.20	1.00 U

Gude Landfill
Monitoring Location OB03A - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	93.6454	0.001	--	--	--	--	--	--	--	--	--
9/01	--	--	--	83.8251	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	72.7596	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	71.0865	0.005	--	--	--	--	--	--	--	--	--
6/03	--	--	--	290.5040	0.006	--	--	--	--	--	--	--	--	0.170
10/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.090
3/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.193
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.034
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.101
9/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.085
9/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.022
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.120
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	317.0	6.47	19.1	194.0000	--	--	700.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB03A - General Parameters

Printed 6/22/21

	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)
9/10	270.0	4.35	12.1	176.0000	--	--	360.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	340.0	7.91	35.0	239.0000	--	--	580.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	226.0	5.09	22.5	193.0000	--	--	375.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	266.0	6.15	31.1	245.0000	--	--	420.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	268.0	4.51	19.5	185.0000	--	--	350.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	338.0	6.67	52.1	229.0000	--	0.02	400.0	0.2000 U	0.20 U	0.05 U	166.0	6.29	--	--
9/13	260.0	4.18	17.5	177.0000	--	0.04	360.0	0.2000 U	0.20 U	0.05 U	209.0	5.34	--	--
3/14	278.0	6.76	19.0	217.0000	--	0.11	560.0	0.2000 U	--	--	170.0	6.03	--	--
9/14	257.0	4.96	21.1	213.0000	--	0.97	190.0	0.2000 U	0.20 U	0.05 U	142.0	6.16	--	--
3/15	292.0	4.64	18.4	180.0000	--	0.00	440.0	1.4900	1.54	0.05 U	206.0	7.10	--	--
8/15	286.0	3.65	24.4	182.0000	--	--	540.0	0.5590	0.61	0.05 U	116.0	6.18	--	--
3/16	299.0	5.97	23.4	200.0000	--	0.00	392.0	0.2000 U	0.20 U	0.05 U	115.0	6.29	--	--
8/16	293.0	3.95	18.0	186.0000	--	--	384.0	0.2000 U	0.20 U	0.05 U	147.0	6.19	--	--
3/17	33.0	0.31	17.7	539.0000	--	--	750.0	0.2000 U	0.20 U	0.05 U	189.0	5.93	--	--
9/17	270.0	2.70	12.1	178.0000	--	0.34	450.0	0.2000 U	0.20 U	0.05 U	186.0	5.98	--	--
3/18	339.0	5.62	27.9	193.0000	--	--	500.0	0.2000 U	0.20 U	0.05 U	-1.0	6.25	--	--
9/18	357.0	5.64	20.8	165.0000	--	--	434.0	0.2000 U	0.20 U	0.05 U	-29.0	6.30	--	--
4/19	357.0	3.47	31.0	166.0000	--	0.02	446.0	0.2000 U	--	--	-32.9	6.34	6.50	--
8/19	307.0	3.75	14.9	195.0000	--	0.09	387.0	0.2000 U	--	--	-27.8	5.80	6.38	--
3/20	435.0	2.41	16.8	109.0000	--	3.90	511.0	2.3100	--	--	0.5	6.78	6.60	--
8/20	260.0	2.30	29.1	171.0000	--	0.56	444.0	0.1200 U	--	--	17.4	6.31	6.19	--
3/21	637.0	1.01	15.7	68.1000	--	0.07	582.0	1.1300	--	--	28.9	6.81	6.87	--

Gude Landfill
Monitoring Location OB03A - General Parameters

Printed 6/22/21

	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										
4/01	--	--	--	--	--	--	--	--	98.000	--
9/01	--	--	--	--	--	--	--	--	245.000	--
3/02	--	--	--	--	--	--	--	--	66.000	--
9/02	--	--	--	--	--	--	--	--	9.300	--
6/03	--	--	--	--	--	--	0	--	463.000	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	33.50	--	--	780.0	--	--	39.400	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

**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)
9/10	--	--	26.90	--	--	704.0	--	--	13.300	--
4/11	--	--	58.40	--	--	980.0	--	--	13.600	--
9/11	--	--	31.50	--	--	888.0	--	--	--	--
3/12	--	--	41.80	--	--	952.0	--	--	--	--
9/12	--	--	21.20	--	--	632.0	--	--	--	--
3/13	1.5	--	36.00	--	15.8	796.0	--	--	--	1.80
9/13	998.1	--	29.70	--	17.4	578.0	--	--	--	3.80
3/14	1220.0	--	59.70	--	17.1	724.0	--	--	--	2.86
9/14	1117.0	--	34.30	--	18.0	560.0	--	--	--	6.20
3/15	1021.0	--	92.40	--	16.2	706.0	--	--	--	10.00
8/15	1112.0	--	29.70	--	23.7	590.0	--	--	--	62.70
3/16	1152.0	--	72.30	--	16.2	321.0	--	--	--	14.20
8/16	1184.0	--	45.20	--	30.2	650.0	--	--	--	98.50
3/17	1008.0	--	11.50	--	16.5	454.0	--	--	--	7.30
9/17	1124.0	--	23.70	--	17.6	621.0	--	--	--	5.00
3/18	1210.0	--	74.10	--	13.2	711.0	--	--	--	5.80
9/18	1327.0	--	117.00	--	17.9	785.0	--	--	--	65.10
4/19	1574.0	1240.0	121.00	--	16.5	794.0	--	8.8	31.500	8.10
8/19	1.2	1220.0	67.00	--	17.6	698.0	--	5.7	20.600	71.13
3/20	1255.0	1310.0	114.00	--	15.7	795.0	--	11.1	39.000	14.00
8/20	1189.0	1340.0	58.00	--	17.4	708.0	--	26.2	119.000	92.10
3/21	1554.0	1450.0	93.80	--	17.0	856.0	--	10.9	29.200	60.50

Gude Landfill
Monitoring Location OB03A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
8/15	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
3/16	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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

Printed 6/22/21

	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		
4/11	0.02	17.5	0.005 U	0.01 U	126.0	0.005 U	0.01 U	0.007
9/11	0.02	--	--	--	--	--	--	--
3/12	0.02	12.2	0.005	0.01 U	92.7	0.005 U	0.01 U	0.009
9/12	0.02	9.3	0.006	0.01 U	53.4	0.005 U	0.01 U	0.012
3/13	0.01	16.6	0.005 U	0.01 U	93.4	0.005 U	0.01 U	0.006
9/13	0.02	8.2	0.005 U	0.01 U	52.6	0.005 U	0.01 U	0.012
3/14	0.02	13.8	0.005 U	0.01 U	88.6	0.005 U	0.01 U	0.007
9/14	0.01	9.9	0.005 U	0.01 U	67.8	0.005 U	0.01 U	0.013
3/15	0.02	15.0	0.035 U	0.01 U	96.0	0.001 J	0.01 U	0.006 J
8/15	0.01 U	12.0	0.005 U	0.00 U	69.0	0.001 U	0.01 U	0.009
3/16	0.01	12.4	0.003	0.00 U	89.0	0.001 U	0.00 U	0.003
8/16	0.01	10.5	0.003	0.00 U	66.4	0.001 U	0.00 U	0.006
3/17	0.02	8.4	0.004	0.00 U	54.5	0.001 U	0.00 U	0.009
9/17	0.01	7.0	0.002	0.00 U	50.1	0.001 U	0.00 U	0.007
3/18	0.01	13.6	0.004	0.00 U	86.9	0.001 U	0.00	0.005
9/18	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 6/22/21

	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
4/01	0.0092	0.0020 U	0.6058	0.0005 U	--	0.0006 U	--	0.0170	0.0386	0.0100 U	--	0.00130 U
9/01	0.0027	0.0073	0.5934	0.0017 U	--	0.0046	--	0.0050	0.0790	0.0135	--	0.00590
3/02	0.0005 U	0.0035	0.4795	0.0017 U	--	0.0020 U	--	0.0012 U	0.0827	0.0099	--	0.00200 U
9/02	0.0007 U	0.0042	0.4366	0.0004 U	--	0.0020 U	--	0.0020 U	0.0673	0.0090	--	0.00200 U
6/03	0.0007 U	0.0046	0.6983	0.0004 U	--	0.0004 U	--	0.0020 U	0.0834	0.0186	--	0.00200 U
10/03	0.0009 U	0.0047	0.8541	0.0016 U	--	0.0007 U	--	0.0020 U	0.0665	0.0142	--	0.00200 U
3/04	0.0009 U	0.0040	0.6897	0.0016 U	--	0.0007 U	--	0.0020 U	0.0744	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0027	0.6416	0.0012 U	--	0.0020 U	--	0.0020 U	0.0612	0.0100 U	--	0.00200 U
4/05	0.0028 U	0.0036	0.4988	0.0012 U	--	0.0020 U	--	0.0020 U	0.0820	0.0100 U	--	0.00200 U
9/05	0.0028 U	0.0034	0.5700	0.0012 U	--	0.0031	--	0.0020 U	0.0654	0.0141	--	0.00200 U
4/06	0.0006 U	0.0021	0.4668	0.0007 U	--	0.0022	--	0.0020 U	0.0584	0.0089	--	0.00260
9/06	0.0007 U	0.0033	0.6407	0.0009 U	--	0.0006 U	--	0.0007 U	0.0658	0.0054	--	0.00070 U
4/07	0.0007 U	0.0046	0.9942	0.0009 U	0.428	--	--	0.0007 U	0.0840	0.0101	--	0.00070 U
10/07	0.0020 U	0.0080	0.6580	0.0020 U	0.043	--	--	0.0020 U	0.0608	0.0079	--	0.00200 U
3/08	0.0005 U	0.0032	0.5139	0.0010 U	0.033	--	--	0.0020 U	0.0609	0.0056	--	0.00100 U
9/08	0.0010 U	0.0106	0.5699	0.0020 U	0.074	--	--	0.0016 U	0.0617	0.0083	--	0.00400 U
3/09	0.0010 U	0.0100 U	0.5930	0.0012 U	0.111	--	--	0.0100 U	0.0630	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0036	0.5680	0.0020 U	--	0.0020 U	69.40	0.0020 U	0.0698	0.0064	39.4000	0.00200 U
7/10	0.0010 U	0.0048	0.5600	0.0010 U	--	0.0010 U	--	0.0010 U	0.0690	0.0010 U	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.5810	0.0050 U	--	0.0050 U	66.00	0.0050 U	0.0684	0.0080	31.0000	0.00500 U
4/11	0.0050 U	0.0050 U	0.0796	0.0050 U	--	0.0050 U	24.80 J	0.0050 U	0.0050 U	0.0108	2.7100	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.5290	0.0050 U	--	0.0050 U	68.50	0.0050 U	0.0563	0.0050 U	29.7100	0.00500 U
3/12	0.0050 U	0.0050 U	0.5100	0.0050 U	--	0.0050 U	76.00	0.0050 U	0.0570	0.0096	29.8500	0.00500 U
9/12	0.0050 U	0.0050 U	0.4950	0.0050 U	--	0.0050 U	62.30	0.0050 U	0.0672	0.0050 U	26.5000	0.00500 U
3/13	0.0050 U	0.0050 U	0.4350	0.0050 U	--	0.0050 U	70.90	0.0050 U	0.0441	0.0110	29.6000	0.00500 U
9/13	0.0050 U	0.0050 U	0.5430	0.0050 U	--	0.0050 U	67.20	0.0050 U	0.0561	0.0050 U	25.6000	0.00500 U
3/14	0.0050 U	0.0050 U	0.3760	0.0050 U	--	0.0050 U	62.80	0.0050 U	0.0470	0.0050 U	20.7000	0.00500 U
9/14	0.0050 U	0.0050 U	0.4190	0.0050 U	--	0.0050 U	58.60	0.0050 U	0.0496	0.0050 U	20.6000	0.00500 U
3/15	0.0020 U	0.0035	0.2500	0.0020 U	--	0.0040 U	78.00	0.0100 U	0.0340	0.0013 J	13.0000	0.00200 U
8/15	0.0010 U	0.0026	0.3200	0.0011	--	0.0005 U	80.00	0.0050 U	0.0440	0.0050 U	23.0000	0.00100 U
3/16	0.0050 U	0.0050 U	0.2350	0.0050 U	--	0.0050 U	76.50	0.0050 U	0.0331	0.0050 U	21.4000	0.00500 U
8/16	0.0020 U	0.0065	0.3060	0.0020 U	--	0.0020 U	70.10	0.0020 U	0.0402	0.0027	35.6000	0.00200 U
3/17	0.0050 U	0.0055	0.3840	0.0050 U	--	0.0050 U	72.90	0.0050 U	0.0561	0.0125	28.0000	0.00500 U
9/17	0.0020 U	0.0041	0.3850	0.0020 U	--	0.0020 U	73.30	0.0049	0.0498	0.0020 U	25.7000	0.00200 U
3/18	0.0050 U	0.0055	0.2200	0.0050 U	--	0.0050 U	82.00	0.0050 U	0.0295	0.0050 U	23.3000	0.00500 U
9/18	0.0050 U	0.0058	0.1640	0.0050 U	--	0.0050 U	82.10	0.0050 U	0.0261	0.0050 U	20.8000	0.00500 U
4/19	0.0010 U	0.0033	0.1810	0.0010 U	--	0.0010 U	81.20	0.0010 U	0.0269	0.0010 U	18.1000	0.00100 U
8/19	0.0010 U	0.0034	0.2740	0.0010 U	--	0.0010 U	70.40	0.0013	0.0392	0.0010 U	22.1000	0.00100 U
3/20	0.0010 U	0.0023	0.1450	0.0010 U	--	0.0010 U	98.70	0.0012	0.0202	0.0012	10.5000	0.00100 U
8/20	0.0010 U	0.0041	0.2630	0.0010 U	--	0.0010 U	86.20	0.0032	0.0331	0.0012	19.7000	0.00100 U
3/21	0.0010 U	0.0013	0.0884	0.0010 U	--	0.0010 U	114.00	0.0010 U	0.0058	0.0010 B	3.0000	0.00100 U

Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	12.15000	0.000100 U	0.0106	--	0.00180 U	0.0052 U	--	0.0020 U	0.2000 U	0.00060 U
9/01	--	15.84000	0.000100 U	0.0281	--	0.00200 U	0.0044 U	--	0.0021	0.2000 U	0.00390
3/02	--	16.80000	0.000100 U	0.0283	--	0.00090 U	0.0044 U	--	0.0043	0.2000 U	0.00070 U
9/02	--	18.79000	0.000100 U	0.0190	--	0.00200	0.0096 U	--	0.0019	0.0020 U	0.00200 U
6/03	--	3.10700	0.000200 U	0.0173	--	0.00400	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
10/03	--	5.82400	0.000200 U	0.0198	--	0.00210	0.0022 U	--	0.0010 U	0.0003 U	0.00510
3/04	--	2.81200	0.000200 U	0.0167	--	0.00200 U	0.0022 U	--	0.0004 U	0.0020 U	0.00330
9/04	--	17.89000	0.000100 U	0.0163	--	0.00200 U	0.0018 U	--	0.0013	0.0003 U	0.00200 U
4/05	--	2.92750	0.000100 U	0.0121	--	0.00290	0.0018 U	--	0.0010 U	0.0050 U	0.00210
9/05	--	17.88000	0.000100 U	0.0178	--	0.00200 U	0.0018 U	--	0.0012	0.0050 U	0.00220
4/06	--	14.27090	0.000100 U	0.0132	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00200 U
9/06	--	15.08000	0.000200 U	0.0164	--	0.00080 U	0.0005 U	--	0.0020 U	0.0050 U	0.00070 U
4/07	--	--	0.000200 U	0.0219	--	0.00300	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U
10/07	--	--	0.000200 U	0.0166	--	0.00200 U	0.0005 U	--	0.0020 U	0.0020 U	0.01130
3/08	--	--	0.000200 U	0.0164	--	0.00200 U	0.0008 U	--	0.0010	0.0500 U	0.00210
9/08	--	--	0.000200 U	0.0166	--	0.00180 U	0.0016 U	--	0.0012 U	0.0020 U	0.00400 U
3/09	--	--	0.000200 U	0.0160	--	0.01000 U	0.0043 U	--	0.0050 U	0.0011 U	0.00080 U
9/09	44.400	13.30000	0.000200 U	0.0200	12.400	0.00240	0.0020 U	70.30	0.0020 U	--	0.00040 J
7/10	--	--	0.000200 U	0.0200	--	0.00100 U	0.0010 U	--	0.0011	0.0050 U	0.00500 U
9/10	41.600	16.40000	0.000200 U	0.0194	9.180	0.00500 U	0.0050 U	58.50	0.0050 U	--	0.00500 U
4/11	15.800	0.98200	0.000200 U	0.0050 U	4.680	0.00500 U	0.0050 U	14.40	0.0050 U	--	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 6/22/21

	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)
9/11	48.700	14.20000	0.000200 U	--	9.640	0.00500 U	0.0050 U	70.50	0.0050 U	--	0.00500 U
3/12	52.700	13.70000	0.000200 U	0.0177	13.100	0.00586	0.0050 U	91.00	0.0050 U	--	0.00500 U
9/12	39.300	15.40000	0.000200 U	0.0216	9.640	0.00500 U	0.0050 U	52.20	0.0050 U	--	0.00500 U
3/13	51.400	11.20000	0.000200 U	0.0145	16.600	0.00500 U	0.0050 U	97.80	0.0050 U	--	0.00500 U
9/13	43.000	16.00000	0.000200 U	0.0189	8.170	0.00500 U	0.0050 U	55.70	0.0050 U	--	0.00500 U
3/14	44.400	8.71000	0.000200 U	0.0162	15.000	0.00500 U	0.0050 U	83.70	0.0050 U	--	0.00500 U
9/14	37.600	15.00000	0.000200 U	0.0150	10.000	0.00500 U	0.0050 U	60.10	0.0050 U	--	0.00500 U
3/15	46.000	6.60000	0.000200 U	0.0110 U	15.000	0.03500 U	0.0100 U	96.00	0.0019 J	--	0.01000 U
8/15	44.000	14.00000	0.000200 U	0.0100 U	11.000	0.00500 U	0.0010 U	61.00	0.0010 U	--	0.00500 U
3/16	58.400	6.37000	0.000200 U	0.0107	12.100	0.00500 U	0.0050 U	109.00	0.0050 U	--	0.00500 U
8/16	43.600	12.30000	0.000200 U	0.0110	10.700	0.00241	0.0020 U	63.10	0.0010 U	--	0.00200 U
3/17	44.100	16.60000	0.000200 U	0.0175	8.340	0.00500 U	0.0050 U	53.40	0.0050 U	--	0.00500 U
9/17	44.700	16.90000	0.000200 U	0.0129	7.070	0.00241	0.0020 U	49.30	0.0010 U	--	0.00200 U
3/18	54.300	7.52000	0.000200 U	0.0117	12.800	0.00500 U	0.0050 U	92.10	0.0050 U	--	0.00500 U
9/18	55.600	4.44000	0.000200 U	0.0096	15.900	0.00500 U	0.0050 U	95.30	0.0050 U	--	0.00500 U
4/19	59.100	8.65000	0.000100 U	0.0091	13.500	0.00100 U	0.0027	76.80 B	0.0010 U	--	0.00100 U
8/19	51.200	14.10000	0.000100 U	0.0118	10.300	0.00100 U	0.0010 U	73.30	0.0010 U	--	0.00100 U
3/20	64.200	6.08000	0.000100 U	0.0066	16.900	0.00100 U	0.0010 U	71.00	0.0010 U	--	0.00100 U
8/20	55.600	13.80000	0.000100 U	0.0101	12.400	0.00100 U	0.0010 U	64.10	0.0010 U	--	0.00146
3/21	72.000	0.84000	0.000100 U	0.0031	18.500	0.00100 U	0.0010 U	53.80	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
4/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.00640
10/07	0.01700
3/08	0.01340
9/08	0.02720
3/09	0.01820
9/09	0.01100
7/10	0.02300
9/10	0.01310
4/11	0.01470

Gude Landfill
Monitoring Location OB03A - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.00890
3/12	0.01420
9/12	0.00986
3/13	0.00638
9/13	0.01170
3/14	0.00736
9/14	0.01290
3/15	0.00530 J
8/15	0.01200
3/16	0.00636
8/16	0.00638
3/17	0.01140
9/17	0.00715
3/18	0.02730
9/18	0.00500 U
4/19	0.00400 U
8/19	0.00500 B
3/20	0.00400 U
8/20	0.00441
3/21	0.00400 U

Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	37.69	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	2.11	7.53	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	4.20	53.49	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	2.93	10.02	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	4.38	74.57	1.22	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	4.55	16.50	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	93.16	1.11	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	4.87	15.18	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	1.67	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	4.44	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	0.19 U	1.00 U	1.27	0.19 U	11.00
3/04	0.18 U	0.15 U	0.23 U	0.22 U	2.25	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	38.51	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	2.00	2.77	12.68	0.33 U	14.11
4/05	0.13 U	0.24 U	0.44 U	0.25 U	2.73	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	42.13	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	3.30	12.09	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	18.85	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.82	7.02	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	23.61	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	3.59	12.72	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	15.56	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.33	4.05	0.33 U	11.36
10/07	0.13 U	0.24 U	0.44 U	0.25 U	44.14	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	5.52	14.78	0.33 U	10.73
3/08	0.18 U	0.18 U	0.21 U	0.23 U	50.90	0.61	0.26 U	0.14 U	0.24 U	0.16 U	2.00	5.07	14.83	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	41.01	0.50 U	0.13 U	0.17 U	0.20 U	0.08 U	1.65	4.40	13.07	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	46.99	0.66	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	4.10	13.54	0.13 U	10.00 U
9/09	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	1.29	1.00 U	9.10	1.00 U	12.60
7/10	1.00 U	1.00 U	1.00 U	1.00 U	38.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00	3.00	10.00	1.00 U	12.00

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	32.40	0.57 J	2.00 U	2.00 U	2.00 U	2.00 U	0.81 J	3.30	10.80	2.00 U	9.28
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	3.70	8.10	--	1.00 U
3/12	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	1.00 U	1.00 U	2.90	--	6.30
9/12	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	10.50	1.00 U	14.10
3/13	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	1.47	3.67	1.00 U	5.64
9/13	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	2.76	12.80	1.00 U	16.00
3/14	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	2.25	1.00 U	3.82
9/14	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	2.66	6.24	1.00 U	9.01
3/15	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	1.00 U	1.00 U	2.09
8/15	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	2.37	5.64	1.00 U	8.08
3/16	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	2.00	1.00 U	4.08
8/16	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	2.10	4.64	1.00 U	5.43
3/17	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	1.87	3.42	7.79	1.00 U	18.10
9/17	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	1.66	3.04	6.66	1.00 U	16.90
3/18	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	1.15	1.96	1.00 U	4.97
9/18	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	1.00 U	1.00 U	1.44
4/19	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	1.00 U	1.00 U	1.30	1.00 U	2.90
8/19	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	1.00 U	1.80	3.20	1.00 U	8.20
3/20	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80
8/20	1.00 U	1.00 U	1.00 U	1.00 U	11.70	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.60	2.80	1.00 U	9.50
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	0.15 U	--	5.26	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.32	1.93
9/01	0.11 U	--	0.18 U	--	1.00 U	--	9.53	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.03	3.07
3/02	0.11 U	--	0.18 U	--	0.15 U	--	11.29	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.29	2.92
9/02	0.11 U	--	0.18 U	--	0.15 U	--	8.07	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	2.45
6/03	0.11 U	--	0.18 U	--	0.15 U	--	5.51	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	10.50	1.00 U
10/03	0.11 U	0.61	0.18 U	--	0.15 U	--	5.30	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	18.41	1.62
3/04	0.11 U	4.20	0.18 U	--	0.15 U	--	6.76	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	10.75	1.01
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	6.31	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.71	1.26
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	4.44	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	19.21	1.02
9/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	4.66	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	3.60	1.41
4/06	0.23 U	1.00 U	0.19 U	--	0.39 U	--	2.73	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	10.33	1.00 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	5.18	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	5.24	1.53
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	3.80	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	13.90	1.42
10/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	6.23	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	2.80	1.63
3/08	0.19 U	--	--	--	--	--	4.47	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	1.98	1.43
9/08	0.50 U	--	--	--	--	--	5.44	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	2.87	1.38
3/09	0.22 U	--	--	--	--	--	4.08	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	3.73	1.69
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.46 J	1.00 U	4.19	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	5.52	1.21
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	5.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	4.00	1.00 U

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Monitoring Location OB03A - Volatile Organic Compounds

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	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.06	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.78	1.31 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.51	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.46	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.53	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.78	1.43
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.83	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.33	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.10	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.32	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.62	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.44	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.63	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.16	1.64
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.02	1.38
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.80	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB03A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
4/01	0.23 U	0.21 U	56.08	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U
9/01	0.23 U	0.21 U	70.88	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	7.30	0.27 U	0.21 U	71.56
3/02	0.23 U	0.21 U	137.87	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	1.00 U	0.21 U	102.10
9/02	0.23 U	1.00 U	130.79	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	1.00 U	0.27 U	0.21 U	74.03
6/03	0.23 U	0.21 U	2.57	0.19 U	0.17 U	0.26 U	1.40	0.17 U	--	0.22 U	0.21 U	1.00 U	0.21 U	1.65
10/03	0.23 U	0.21 U	2.63	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
3/04	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U
9/04	0.27 U	0.25 U	79.29	0.29 U	0.27 U	0.23 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	41.02
4/05	0.27 U	0.25 U	3.01	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
9/05	0.27 U	0.25 U	102.56	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	30.99
4/06	0.27 U	0.25 U	41.96	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
9/06	0.27 U	0.25 U	117.86	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	29.40
4/07	0.27 U	0.25 U	29.76	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	0.27 U	1.00 U	150.17	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	33.23
3/08	0.21 U	0.50 U	168.82	0.13 U	0.15 U	0.26 U	0.53	--	1.73 U	0.15 U	0.12 U	0.50 U	0.20 U	1.66
9/08	0.12 U	0.20 U	141.19	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	0.50 U	0.50 U	0.11 U	26.21
3/09	0.12 U	0.50 U	137.52	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	0.17 U	0.50 U	0.11 U	3.67
9/09	1.00 U	1.00 U	84.90	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	1.39	1.00 U	1.00 U	1.00 U	1.00 U	7.11
7/10	1.00 U	1.00 U	110.00	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	15.00

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
9/10	2.00 U	1.54 J	98.10	2.00 U	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	17.80
4/11	1.00 U	4.10	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/11	1.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
3/12	1.00 U	1.00 U	33.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/12	1.00 U	1.00 U	94.60	1.00 U	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
3/13	1.00 U	1.00 U	34.10	1.00 U	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
9/13	1.00 U	1.00 U	94.80	1.00 U	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
3/14	1.00 U	1.00 U	22.90	1.00 U	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
9/14	1.00 U	1.00 U	56.20	1.00 U	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	1.18
3/15	1.00 U	1.00 U	11.20	1.00 U	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
8/15	1.00 U	1.00 U	53.20	1.00 U	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
3/16	1.00 U	1.00 U	21.00	1.00 U	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
8/16	1.00 U	1.00 U	49.90	1.00 U	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
3/17	1.00 U	1.00 U	86.60	1.00 U	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
9/17	1.00 U	1.00 U	69.00	1.00 U	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
3/18	1.00 U	1.00 U	22.30	1.00 U	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
9/18	1.00 U	1.00 U	4.23	1.00 U	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
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	1.00 U	36.20	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
3/20	1.00 U	1.00 U	6.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	35.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB03A - 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)	Xylene (ug/L)
MCL/ GWPS	1000	100			5			2	10000
4/01	1.00 U	4.50	0.13 U	1.00 U	87.28	0.18 U	--	--	0.27 U
9/01	0.24 U	5.32	0.13 U	0.14 U	78.18	4.57	--	--	0.27 U
3/02	1.00 U	8.78	0.13 U	0.14 U	113.50	8.19	--	--	1.00 U
9/02	1.00 U	8.22	0.13 U	0.14 U	111.71	7.16	--	--	0.27 U
6/03	1.62	1.00 U	0.13 U	0.14 U	1.26	0.18 U	--	--	1.00 U
10/03	1.00 U	1.99	0.13 U	0.14 U	1.75	1.00 U	--	2.20	0.27 U
3/04	1.00 U	1.39	0.13 U	0.14 U	1.00 U	0.18 U	--	1.78	0.27 U
9/04	1.00 U	5.71	0.24 U	0.30 U	84.92	3.01	--	18.60	1.00 U
4/05	0.32 U	1.22	0.24 U	0.30 U	4.89	0.36 U	--	1.47	0.18 U
9/05	1.00 U	6.22	0.24 U	0.30 U	85.13	0.36 U	--	19.56	1.00 U
4/06	1.00 U	3.10	0.24 U	0.30 U	51.33	0.36 U	--	4.62	0.18 U
9/06	1.00 U	9.08	0.24 U	0.30 U	95.18	3.77	--	26.98	1.00 U
4/07	0.32 U	3.72	0.24 U	0.30 U	20.26	0.36 U	--	5.96	0.18 U
10/07	1.00 U	10.82	0.24 U	0.30 U	97.78	0.36 U	--	30.58	1.00 U
3/08	1.05	9.93	0.08 U	--	141.41	0.07 U	--	23.11	0.50 U
9/08	0.50 U	11.68	0.13 U	--	101.30	0.10 U	--	22.43	0.50 U
3/09	0.50 U	9.08	0.13 U	--	113.09	0.10 U	--	27.36	0.50 U
9/09	1.00 U	6.06	1.00 U	1.00 U	66.70	3.08	--	22.90	1.00 U
7/10	1.00 U	6.00	1.00 U	5.00 U	70.00	1.00 U	1.00 U	18.00	1.00 U

Gude Landfill
Monitoring Location OB03A - Volatile Organic Compounds

Printed 6/22/21

	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)
9/10	2.00 U	5.93	2.00 U	2.00 U	19.30	2.47	2.00 U	23.50	2.00 U
4/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	9.00	1.00 U	5.00 U	56.00	6.50	1.00 U	31.00	1.00 U
3/12	1.00 U	2.30	1.00 U	5.00 U	18.00	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	6.13	1.00 U	5.00 U	64.80	1.00 U	5.00 U	15.80	1.00 U
3/13	1.00 U	2.69	1.00 U	5.00 U	18.00	1.00 U	5.00 U	7.33	1.00 U
9/13	1.00 U	5.83	1.00 U	5.00 U	64.00	1.00 U	5.00 U	12.50	1.00 U
3/14	1.00 U	1.46	1.00 U	5.00 U	4.70	1.00 U	5.00 U	4.26	1.00 U
9/14	1.00 U	4.06	1.00 U	5.00 U	27.20	1.00 U	5.00 U	11.70	1.00 U
3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.87	1.00 U	5.00 U	2.07	1.00 U
8/15	1.00 U	3.83	1.00 U	5.00 U	20.70	1.00 U	5.00 U	8.16	1.00 U
3/16	1.00 U	1.46	1.00 U	5.00 U	3.36	1.00 U	5.00 U	3.62	1.00 U
8/16	1.00 U	3.01	1.00 U	5.00 U	7.06	1.33	5.00 U	7.12	1.00 U
3/17	1.00 U	5.89	1.00 U	5.00 U	5.01	1.93	5.00 U	11.20	1.00 U
9/17	1.00 U	4.97	1.00 U	5.00 U	3.58	1.00 U	5.00 U	8.50	1.00 U
3/18	1.00 U	1.50	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.15	1.00 U
9/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.09	1.00 U
4/19	1.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.10	1.00 U
8/19	1.00 U	2.90	1.00 U	1.00 U	2.60	1.00 U	1.00 U	6.90	1.00 U
3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U
8/20	1.00 U	2.80	1.00 U	1.00 U	1.50	1.00 U	1.00 U	6.40	1.00 U
3/21	1.00 U	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 OB04 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	352.8940	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	304.6010	0.004	--	--	--	--	--	--	--	--	--
3/02	--	--	--	98.9558	0.005	--	--	--	--	--	--	--	--	--
9/02	--	--	--	320.1710	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	337.7240	0.002 U	--	--	--	--	--	--	--	--	0.028
10/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.029
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.031
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.019
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.052
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.026
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.029
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.034
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	221.0	0.33	26.3	412.0000	--	--	670.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04 - General Parameters

Printed 6/22/21

	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)
9/10	255.0	0.51	29.8	424.0000	--	--	680.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	238.0	0.70	30.7	433.0000	--	--	717.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	242.0	0.67	29.2	416.0000	--	--	705.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	261.0	0.67	34.1	473.0000	--	--	714.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	248.0	0.77	26.7	448.0000	--	--	712.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/13	244.0	0.73	31.3	449.0000	--	0.02	730.0	0.2000 U	0.20 U	0.05 U	380.0	6.22	--	--
9/13	249.0	0.67	23.7	455.0000	--	0.03	740.0	0.2000 U	0.20 U	0.05 U	416.0	6.12	--	--
3/14	248.0	0.78	34.8	453.0000	--	6.03	742.0	0.2000 U	--	--	419.0	6.17	--	--
9/14	265.0	0.94	38.0	462.0000	--	1.75	762.0	0.2000 U	0.20 U	0.05 U	339.0	6.32	--	--
3/15	250.0	0.83	33.1	503.0000	--	0.00	764.0	0.2000 U	0.20 U	0.05 U	313.0	6.07	--	--
9/15	270.0	1.04	35.0	482.0000	--	1.17	760.0	0.2000 U	0.20 U	0.05 U	254.0	5.99	--	--
3/16	249.0	0.79	32.0	496.0000	--	0.00	780.0	0.2000 U	0.20 U	0.05 U	385.0	6.21	--	--
8/16	245.0	0.72	39.4	492.0000	--	1.86	760.0	0.2000 U	0.20 U	0.05 U	371.0	5.87	--	--
3/17	295.0	1.65	16.6	187.0000	--	--	640.0	0.2000 U	0.20 U	0.05 U	369.0	6.10	--	--
9/17	237.0	0.38	34.4	497.0000	--	--	760.0	0.2000 U	0.20 U	0.05 U	398.0	6.04	--	--
3/18	229.0	0.52	45.4	527.0000	--	--	930.0	0.2000 U	0.20 U	0.05 U	220.0	6.09	--	--
9/18	243.0	0.60	36.4	529.0000	--	--	814.0	0.2000 U	0.20 U	0.05 U	191.0	5.80	--	--
4/19	264.0	0.80	47.0	530.0000	--	0.07	745.0 B	1.3000	--	--	137.9	5.89	6.21	--
8/19	286.0	0.83	35.3	514.0000	--	0.11	931.0	1.5000	--	--	93.0	5.73	6.19	--
3/20	275.0	0.81	36.5	103.0000	--	0.41	875.0	1.1500	--	--	175.2	5.94	6.12	--
7/20	277.0	0.88	45.1	497.0000	--	0.53	821.0	0.2000 U	--	--	-60.0	5.93	6.07	--
3/21	268.0	0.72	35.7	524.0000	--	0.13	748.0	0.0500 U	--	--	-92.5	6.21	6.13	--

Gude Landfill
Monitoring Location OB04 - General Parameters

Printed 6/22/21

	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										
4/01	--	--	--	--	--	--	--	--	0.100	--
9/01	--	--	--	--	--	--	--	--	1.200	--
3/02	--	--	--	--	--	--	--	--	0.640	--
9/02	--	--	--	--	--	--	--	--	4.600	--
6/03	--	--	--	--	--	--	0 U	--	2.600	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	18.80	--	--	1348.0	--	--	1.070	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

Gude Landfill

Printed 6/22/21

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)
9/10	--	--	28.40	--	--	1760.0	--	--	0.632	--
4/11	--	--	19.60 J	--	--	1428.0	--	--	0.421	--
9/11	--	--	22.30	--	--	1736.0	--	--	--	--
3/12	--	--	19.50	--	--	1632.0	--	--	--	--
9/12	--	--	18.30	--	--	1432.0	--	--	--	--
4/13	2.0	--	16.10	--	15.1	1600.0	--	--	--	0.00
9/13	1737.0	--	21.00	--	16.1	1304.0	--	--	--	0.00
3/14	1742.0	--	22.80	--	15.0	1256.0	--	--	--	1.02
9/14	1840.0	--	27.90	--	15.8	1168.0	--	--	--	0.00
3/15	1685.0	--	20.20	--	15.1	1112.0	--	--	--	0.60
9/15	1881.0	--	17.90	--	16.4	1142.0	--	--	--	0.00
3/16	1835.0	--	21.60	--	14.8	1150.0	--	--	--	0.00
8/16	1857.0	--	19.00	--	17.0	1360.0	--	--	--	0.00
3/17	1823.0	--	9.87	--	17.9	524.0	--	--	--	0.00
9/17	1824.0	--	14.60	--	16.9	1210.0	--	--	--	0.00
3/18	1781.0	--	18.10	--	14.1	1320.0	--	--	--	0.00
9/18	1992.0	--	18.30	--	19.0	1100.0	--	--	--	6.40
4/19	2474.0	2070.0	25.00	--	15.3	1470.0	--	2.6 U	0.500 U	2.00
8/19	2.0	2080.0	21.90	--	16.8	1670.0	--	6.0 U	0.500 U	1.60
3/20	1989.0	2000.0	19.40	--	16.1	1390.0	--	2.3 U	0.500 U	1.00
7/20	2028.0	2160.0	17.70	--	19.6	1220.0	--	2.3 U	0.500 U	1.40
3/21	2199.0	2150.0	15.70	--	15.5	1460.0	--	5.7	3.160	1.99

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB04 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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		
4/11	0.01	6.6	0.021	0.01 U	68.8	0.005 U	0.01 U	0.012
9/11	0.01	--	--	--	--	--	--	--
3/12	0.02	7.4	0.035	0.01 U	79.3	0.005 U	0.01 U	0.009
9/12	0.02	7.8	0.039	0.01 U	66.8	0.005 U	0.01 U	0.008
4/13	0.02	8.2	0.044	0.01 U	67.3	0.005 U	0.01 U	0.008
9/13	0.01	7.4	0.020	0.01 U	65.7	0.005 U	0.01 U	0.008
3/14	0.02	6.6	0.035	0.01 U	62.7	0.005 U	0.01 U	0.009
9/14	0.01	7.5	0.021	0.01 U	69.4	0.005 U	0.01 U	0.012
3/15	0.02	7.3	0.022 J	0.01 U	64.0	0.002 U	0.01 U	0.006 J
9/15	0.01 U	8.2	0.026	0.00 U	70.0	0.001 U	0.01 U	0.005
3/16	0.01	7.0	0.018	0.00 U	68.3	0.001 U	0.00 U	0.006
8/16	0.01	7.4	0.020	0.00 U	69.6	0.001 U	0.00 U	0.006
3/17	0.02	7.0	0.030	0.00 U	69.2	0.001 U	0.00	0.008
9/17	0.01	6.4	0.017	0.00 U	68.8	0.001 U	0.00 U	0.006
3/18	0.02	6.8	0.028	0.00 U	64.8	0.001 U	0.00	0.007
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.0315	0.0005 U	--	0.0020 U	--	0.0103	0.0007 U	0.0262	--	0.00130 U
9/01	0.0020 U	0.0020 U	0.1173	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0114	--	0.00280
3/02	0.0005 U	0.0041	0.1226	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0069	--	0.00200 U
9/02	0.0007 U	0.0138	0.1375	0.0004 U	--	0.0020 U	--	0.0028	0.0020	0.0096	--	0.00390
6/03	0.0007 U	0.0020 U	0.1795	0.0004 U	--	0.0020 U	--	0.0005 U	0.0020 U	0.0108	--	0.00200 U
10/03	0.0009 U	0.0008 U	0.1584	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.1513	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0020 U	0.1513	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0121	--	0.00200 U
4/05	0.0028 U	0.0020 U	0.0797	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0157	--	0.00060 U
9/05	0.0028 U	0.0020 U	0.0430	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0254	--	0.00200 U
4/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0123	--	0.00270
9/06	0.0007 U	0.0020 U	0.2328	0.0009 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0316	--	0.00070 U
4/07	0.0007 U	0.0020 U	0.2276	0.0009 U	0.247	--	--	0.0007 U	0.0020 U	0.0323	--	0.00070 U
10/07	0.0007 U	0.0020 U	0.2220	0.0009 U	0.206	--	--	0.0020 U	0.0020 U	0.0290	--	0.00070 U
3/08	0.0005 U	0.0020 U	0.1991	0.0010 U	0.159	--	--	0.0008 U	0.0012 U	0.0088	--	0.00100 U
9/08	0.0010 U	0.0040 U	0.2255	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0087	--	0.00400 U
3/09	0.0010 U	0.0100 U	0.2468	0.0012 U	0.187	--	--	0.0007 U	0.0007 U	0.0311	--	0.01000 U
9/09	0.0020 U	0.0034	0.2610	0.0020 U	--	0.0020 U	154.00	0.0020 U	0.0004 J	0.0344	0.3430	0.00200 U
7/10	0.0010 U	0.0014	0.2500	0.0010 U	--	0.0010 U	--	0.0005 J	0.0007 J	0.0400	--	0.00100 U
9/10	0.0050 U	0.0055	0.2550	0.0050 U	--	0.0050 U	159.00	0.0050 U	0.0050 U	0.0418	1.2000	0.00500 U
4/11	0.0050 U	0.0050 U	0.2640	0.0050 U	--	0.0050 U	154.00 J	0.0050 U	0.0050 U	0.0367	0.5000 U	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.2550	0.0050 U	--	0.0050 U	157.00	0.0050 U	0.0050 U	0.0314	0.9200	0.00500 U
3/12	0.0050 U	0.0091	0.2810	0.0050 U	--	0.0050 U	173.00	0.0050 U	0.0050 U	0.0377	0.8040	0.00500 U
9/12	0.0050 U	0.0086	0.2470	0.0050 U	--	0.0050 U	157.00	0.0050 U	0.0050 U	0.0353	0.8240	0.00500 U
4/13	0.0050 U	0.0093	0.2740	0.0050 U	--	0.0050 U	151.00	0.0050 U	0.0050 U	0.0475	0.7510	0.00500 U
9/13	0.0050 U	0.0050 U	0.2650	0.0050 U	--	0.0050 U	164.00	0.0050 U	0.0050 U	0.0354	0.7290	0.00500 U
3/14	0.0050 U	0.0088	0.2940	0.0050 U	--	0.0050 U	175.00	0.0050 U	0.0050 U	0.0382	0.9210	0.00500 U
9/14	0.0050 U	0.0050 U	0.2910	0.0050 U	--	0.0050 U	169.00	0.0050 U	0.0050 U	0.0393	0.9930	0.00500 U
3/15	0.0020 U	0.0079	0.2800	0.0020 U	--	0.0040 U	180.00	0.0100 U	0.0100 U	0.0360	0.0050 U	0.00200 U
9/15	0.0010 U	0.0054	0.2800	0.0010 U	--	0.0005 U	170.00	0.0050 U	0.0050 U	0.0390	0.0050 U	0.00100 U
3/16	0.0020 U	0.0041	0.3090	0.0020 U	--	0.0020 U	170.00	0.0020 U	0.0020 U	0.0360	1.0000	0.00200 U
8/16	0.0020 U	0.0042	0.2940	0.0020 U	--	0.0020 U	165.00	0.0020 U	0.0020 U	0.0321	1.0700	0.00200 U
3/17	0.0020 U	0.0038	0.4780	0.0020 U	--	0.0020 U	77.20	0.0060	0.0575	0.0057	23.3000	0.00200 U
9/17	0.0020 U	0.0037	0.3150	0.0020 U	--	0.0020 U	170.00	0.0032	0.0020 U	0.0278	1.0300	0.00200 U
3/18	0.0020 U	0.0094	0.3050	0.0020 U	--	0.0020 U	167.00	0.0074	0.0020 U	0.0312	0.2000 U	0.00200 U
9/18	0.0020 U	0.0069	0.3070	0.0020 U	--	0.0020 U	178.00	0.0036	0.0020 U	0.0488	0.0500 U	0.00200 U
4/19	0.0010 U	0.0010 U	0.2890	0.0010 U	--	0.0010 U	171.00	0.0010 U	0.0010 U	0.0400	0.1000 U	0.00100 U
8/19	0.0010 U	0.0010 U	0.2720	0.0010 U	--	0.0010 U	179.00	0.0044	0.0010 U	0.0391	0.1000 U	0.00100 U
3/20	0.0010 U	0.0010 U	0.3090	0.0010 U	--	0.0010 U	163.00	0.0013	0.0010 U	0.0411	0.0279 J	0.00100 U
7/20	0.0010 U	0.0010 U	0.2860	0.0010 U	--	0.0010 U	157.00	0.0010 U	0.0010 U	0.0381	0.0165 J	0.00100 U
3/21	0.0010 U	0.0010 U	0.2940	0.0010 U	--	0.0010 U	148.00	0.0011	0.0010 U	0.0281 QB	0.1210	0.00100 U

Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	0.36180	0.000200 U	0.0113	--	0.00500 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U
9/01	--	0.46530	0.000200	0.0110	--	0.00460	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U
3/02	--	0.34140	0.000100 U	0.0112	--	0.01480	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/02	--	0.36600	0.000100 U	0.0123	--	0.03840	0.0096 U	--	0.0010 U	0.0020 U	0.00200 U
6/03	--	0.24370	0.000200 U	0.0114	--	0.00450	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
10/03	--	0.44490	0.000200 U	0.0090	--	0.00330	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
3/04	--	0.21500	0.000200 U	0.0093	--	0.00300	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
9/04	--	0.64620	0.000100 U	0.0112	--	0.00560	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U
4/05	--	0.03060	0.000100 U	0.0064	--	0.00240	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
9/05	--	0.70210	0.000200	0.0146	--	0.00320	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U
4/06	--	0.10730	0.000100 U	0.0095	--	0.00470	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U
9/06	--	1.20000	0.000200 U	0.0091	--	0.00330	0.0005 U	--	0.0020 U	0.0050 U	0.00070 U
4/07	--	--	0.000200 U	0.0105	--	0.00720	0.0005 U	--	0.0007 U	0.0500 U	0.00200 U
10/07	--	--	0.000200 U	0.0102	--	0.00700	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U
3/08	--	--	0.000200 U	0.0106	--	0.00500	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U
9/08	--	--	0.000200 U	0.0118	--	0.00580	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000200 U	0.0100 U	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.01000 U
9/09	75.100	1.32000	0.000200 U	0.0137	6.320	0.01670	0.0020 U	71.00	0.0020 U	--	0.00050 J
7/10	--	--	0.000300	0.0110	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00260 J
9/10	81.000	1.84000	0.000200 U	0.0145	6.450	0.02190	0.0050 U	73.80	0.0050 U	--	0.00500 U
4/11	88.100	1.94000	0.000200 U	0.0132	7.290	0.01930	0.0050 U	74.40	0.0050 U	--	0.00500 U

Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 6/22/21

	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)
9/11	89.100	2.03000	0.000200 U	--	7.180	0.01440	0.0050 U	74.30	0.0050 U	--	0.00500 U
3/12	88.900	2.07000	0.000200 U	0.0168	7.030	0.03200	0.0050 U	73.30	0.0050 U	--	0.00500 U
9/12	76.600	2.28000	0.000200 U	0.0188	7.720	0.03210	0.0050 U	63.20	0.0050 U	--	0.00500 U
4/13	78.100	2.55000	0.000200 U	0.0203	8.210	0.03700	0.0050 U	66.60	0.0050 U	--	0.00500 U
9/13	82.000	2.59000	0.000200 U	0.0128	7.210	0.02120	0.0050 U	64.80	0.0050 U	--	0.00500 U
3/14	88.300	2.63000	0.000200 U	0.0174	7.740	0.03030	0.0050 U	71.40	0.0050 U	--	0.00500 U
9/14	86.100	2.95000	0.000200 U	0.0149	7.710	0.02080	0.0050 U	73.10	0.0050 U	--	0.00500 U
3/15	89.000	2.60000	0.000200 U	0.0110 U	7.400	0.02700 U	0.0100 U	65.00	0.0020 U	--	0.01000 U
9/15	86.000	3.10000	0.000200 U	0.0110	8.400	0.02200	0.0010 U	71.00	0.0010 U	--	0.00500 U
3/16	87.400	5.14000	0.000200 U	0.0136	6.850	0.01950	0.0020 U	69.30	0.0010 U	--	0.00200 U
8/16	86.100	2.85000	0.000200 U	0.0125	6.720	0.01740	0.0020 U	68.10	0.0010 U	--	0.00200 U
3/17	47.600	20.90000	0.000200 U	0.0179	5.900	0.00491	0.0020 U	40.60	0.0010 U	--	0.00200 U
9/17	91.000	2.62000	0.000200 U	0.0124	6.490	0.01630	0.0020 U	70.00	0.0010 U	--	0.00200 U
3/18	86.900	2.94000	0.000200 U	0.0154	6.070	0.02910	0.0020 U	66.40	0.0010 U	--	0.00276
9/18	89.800	3.03000	0.000200 U	0.0167	6.620	0.02420	0.0020 U	66.50	0.0010 U	--	0.00200 U
4/19	91.300	3.80000	0.000100 U	0.0148	6.860	0.00100 U	0.0010 U	77.10	0.0010 U	--	0.00100 U
8/19	118.000	4.14000	0.000100 U	0.0164	6.590	0.00100 U	0.0010 U	76.20	0.0010 U	--	0.00100 U
3/20	114.000	4.01000	0.000119	0.0151	7.410	0.00100 U	0.0010 U	83.80	0.0010 U	--	0.00100 U
7/20	104.000	4.15000	0.000100 U	0.0140	7.510	0.00100 U	0.0010 U	76.20	0.0010 U	--	0.00100 U
3/21	92.100	3.58000	0.000100 U	0.0107	6.720	0.00100 U	0.0010 U	68.60	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
4/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.00700
10/07	0.00580
3/08	0.01670
9/08	0.02000 U
3/09	0.01380
9/09	0.01000 U
7/10	0.01600
9/10	0.00779
4/11	0.00828

Gude Landfill
Monitoring Location OB04 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
9/11	0.00744
3/12	0.00692
9/12	0.00885
4/13	0.00793
9/13	0.00797
3/14	0.00999
9/14	0.01090
3/15	0.00640 J
9/15	0.00600
3/16	0.00558
8/16	0.00505
3/17	0.01330
9/17	0.00597
3/18	0.00596
9/18	0.00957
4/19	0.00796 B
8/19	0.00755 B
3/20	0.00777
7/20	0.00406
3/21	0.00665

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	1.00 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	1.00 U	1.00 U	1.00 U	0.19 U	1.98
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	--	0.27 U	0.34 U	0.33 U	--
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.00 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.00 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.50 U	0.13 U	0.55	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.50 U	0.66	0.13 U	10.00 U
9/09	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	0.40 J	1.00 U	1.00 U	1.00 U	6.06
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.00

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/10	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	2.00 U	2.00 U	2.91
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	0.37	1.00 U	1.00 U	--	5.90
9/12	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	1.00 U	1.00 U	5.70
4/13	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	1.01	1.00 U	1.15	1.00 U	14.70
9/13	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	5.20
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	1.00 U	5.82
9/14	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	5.31
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	5.97
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	1.00 U	1.00 U	5.85
3/16	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	7.55
8/16	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	5.38
3/17	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
9/17	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	6.46
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	6.90
9/18	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	6.26
4/19	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	1.00 U	5.40
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	1.00 U	6.10
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	1.00 U	1.00 U	1.00 U	1.00 U	6.00
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	6.90
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	6.30

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	0.15 U	--	1.39	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.19	0.15 U	0.28 U	0.20 U
10/03	0.11 U	0.72	1.00 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
3/04	0.11 U	3.92	1.00 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	11.51	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	1.33	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	1.00 U	1.00 U	0.19 U	--	0.39 U	--	1.65	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.11	0.31 U
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.70	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.05	0.31 U
10/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	1.85	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.19	0.31 U
3/08	0.19 U	--	--	--	--	--	0.50 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.10 U
9/08	0.50 U	--	--	--	--	--	1.21	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.58	0.13 U
3/09	0.22 U	--	--	--	--	--	1.68	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.92	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.18 J	1.00 U	1.62	1.00 U	1.00 U	1.00 U	0.22 J	2.50 U	1.00 U	1.09	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	2.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	2.00 U	0.65 J	2.00 U	2.00 U	11.90	2.00 U	2.04	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.90 J	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.85	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.54	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.61	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.38	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.73	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.39	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.98	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.56	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.86	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.53	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.70	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.77	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.33	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.68	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.61	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.44	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	0.23 U	0.21 U	18.27	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.26	0.27 U	0.21 U	1.22	0.24 U
9/01	0.23 U	0.21 U	9.92	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.00	0.27 U	0.21 U	1.91	0.24 U
3/02	0.23 U	0.21 U	5.41	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	4.08	0.24 U
9/02	0.23 U	0.21 U	4.87	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.33	0.24 U
6/03	0.23 U	0.21 U	4.85	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.96	0.24 U
10/03	0.23 U	0.21 U	11.27	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	3.16	1.00 U
3/04	0.23 U	1.00 U	3.94	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/04	0.27 U	0.25 U	9.25	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.52	0.32 U
4/05	0.27 U	0.25 U	1.38	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	18.27	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	2.53	0.18 U	0.25 U	1.15	1.00 U
4/06	0.27 U	0.25 U	2.59	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
9/06	0.27 U	0.25 U	18.58	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	1.48	0.18 U	0.25 U	2.23	0.32 U
4/07	0.27 U	0.25 U	18.76	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	1.60	0.18 U	0.25 U	1.93	0.32 U
10/07	0.27 U	0.25 U	20.95	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	1.42	0.18 U	0.25 U	2.07	0.32 U
3/08	0.21 U	0.15 U	6.45	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.65	0.28 U
9/08	0.12 U	0.20 U	15.43	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	1.34	0.92
3/09	0.50 U	0.20 U	18.92	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	1.42	0.11 U	0.11 U	1.99	0.12 U
9/09	1.00 U	1.00 U	17.00	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	1.93	1.00 U	1.00 U	1.25	1.00 U
7/10	1.00 U	1.00 U	20.00	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	--	1.00 U	2.00	1.00 U	1.00 U	2.00	1.00 U

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	2.00 U	8.32	2.00 U	2.00 U	2.00 U	4.00 U	2.00 U	2.00 U	2.00 U	1.03 J	2.00 U	2.00 U	0.70 J	2.00 U
4/11	1.00 U	1.00 U	11.00	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	2.00	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	2.00	1.00 U
9/12	1.00 U	1.00 U	12.40	1.00 U	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
4/13	1.00 U	1.00 U	27.70	1.00 U	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	3.93	1.00 U
9/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.73	1.00 U	1.00 U	1.24	1.00 U
3/14	1.00 U	1.00 U	12.40	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.65	1.00 U	1.00 U	1.63	1.00 U
9/14	1.00 U	1.00 U	12.40	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.66	1.00 U	1.00 U	1.39	1.00 U
3/15	1.00 U	1.00 U	13.20	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.06	1.00 U	1.00 U	1.59	1.00 U
9/15	1.00 U	1.00 U	13.30	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.80	1.00 U	1.00 U	1.45	1.00 U
3/16	1.00 U	1.00 U	15.30	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.13	1.00 U	1.00 U	1.83	1.00 U
8/16	1.00 U	1.00 U	13.40	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.80	1.00 U	1.00 U	1.27	1.00 U
3/17	1.00 U	1.00 U	14.80	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.96	1.00 U	1.00 U	1.36	1.00 U
9/17	1.00 U	1.00 U	13.70	1.00 U	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	1.35	1.00 U
3/18	1.00 U	1.00 U	14.70	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.05	1.00 U	1.00 U	1.53	1.00 U
9/18	1.00 U	1.00 U	12.80	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	1.76	1.00 U	1.00 U	1.38	1.00 U
4/19	1.00 U	1.00 U	11.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U	1.00 U	1.30	1.00 U
8/19	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	2.00	1.00 U	1.00 U	1.30	1.00 U
3/20	1.00 U	1.00 U	14.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.30 B	1.00 U	1.00 U	1.40	1.00 U
7/20	1.00 U	1.00 U	16.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.00 U	1.00 U	1.70	1.00 U
3/21	1.00 U	1.00 U	12.10	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	1.00 U	1.20	1.00 U

Gude Landfill
Monitoring Location OB04 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	1.00 U	0.13 U	0.14 U	1.89	0.18 U	--	--	0.27 U
9/01	1.00 U	0.13 U	0.14 U	1.59	0.18 U	--	--	0.27 U
3/02	1.00 U	0.13 U	0.14 U	2.70	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	1.15	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
10/03	1.00 U	0.13 U	0.14 U	1.55	0.18 U	--	0.66	0.27 U
3/04	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.05	0.27 U
9/04	0.45 U	0.24 U	0.30 U	1.88	0.36 U	--	1.00 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.71	0.36 U	--	1.57	0.18 U
4/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
9/06	1.00 U	0.24 U	0.30 U	2.19	0.36 U	--	1.33	0.18 U
4/07	1.00 U	0.24 U	0.30 U	1.82	0.36 U	--	1.23	0.18 U
10/07	1.00 U	0.24 U	0.30 U	2.12	0.36 U	--	1.70	0.18 U
3/08	0.22 U	0.08 U	--	0.92	0.07 U	--	0.22 U	0.22 U
9/08	0.50 U	0.13 U	--	1.40	0.10 U	--	0.81	0.11 U
3/09	0.50 U	0.13 U	--	1.82	0.10 U	--	1.47	0.11 U
9/09	0.47 J	1.00 U	1.00 U	1.66	1.00 U	--	1.53	1.00 U
7/10	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1.00 U	2.00	1.00 U

Gude Landfill

Monitoring Location OB04 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	1.08 J	2.00 U	2.00 U	2.16	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	3.42	1.00 U	5.00 U	3.03	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.76	1.00 U	5.00 U	1.71	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.38	1.00 U	5.00 U	1.40	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.35	1.00 U	5.00 U	1.49	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.36	1.00 U	5.00 U	1.57	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5.00 U	1.41	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.57	1.00 U	5.00 U	1.68	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.30	1.00 U	5.00 U	1.35	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.54	1.00 U	5.00 U	1.46	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.19	1.00 U	5.00 U	1.36	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.35	1.00 U	5.00 U	1.39	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.30	1.00 U	5.00 U	1.41	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U	1.00 U	1.30	1.00 U
8/19	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.40	1.00 U
3/20	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.50	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.70	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.50	1.00 U	1.00 U	1.40	1.00 U

Gude Landfill
Monitoring Location OB04A - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	318.9060	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	334.6690	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	206.9520	0.001	--	--	--	--	--	--	--	--	--
9/02	--	--	--	372.9800	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	390.8830	0.002 U	--	--	--	--	--	--	--	--	0.064
10/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.075
3/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.049
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.061
4/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.044
9/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.049
9/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.053
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.059
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	125.0	0.30	31.3	438.0000	--	--	570.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Gude Landfill
Monitoring Location OB04A - General Parameters

Printed 6/22/21

	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)
9/10	135.0	0.28	29.5	468.0000	--	--	600.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	133.0	0.38	39.3	473.0000	--	--	592.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	127.0	0.32	27.5	460.0000	--	--	602.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	129.0	0.22	33.0	531.0000	--	--	622.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	123.0	0.30	33.3	501.0000	--	--	598.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/13	129.0	0.29	28.8	498.0000	--	0.07	604.0	0.2000 U	0.20 U	0.05 U	385.0	5.85	--	--
9/13	--	--	--	--	--	0.13	590.0	--	--	--	179.9	5.62	--	--
9/13	127.0	0.23	65.6	501.0000	--	0.03	616.0	0.2000 U	0.20 U	0.05 U	406.0	5.69	--	--
9/13	--	--	--	--	--	0.74	640.0	--	--	--	223.0	5.65	--	--
3/14	133.0	0.31	27.6	512.0000	--	0.02	640.0	0.2000 U	--	--	419.0	5.77	--	--
9/14	144.0	0.48	34.6	530.0000	--	2.33	684.0	0.2000 U	0.20 U	0.05 U	353.0	5.92	--	--
3/15	1250.0	0.37	35.6	544.0000	--	0.00	694.0	0.2000 U	0.20 U	0.05 U	339.0	6.41	--	--
9/15	131.0	0.37	39.7	541.0000	--	0.91	680.0	0.2000 U	0.20 U	0.05 U	288.0	5.63	--	--
3/16	132.0	0.33	35.5	580.0000	--	0.00	690.0	0.2000 U	0.20 U	0.05 U	404.0	5.76	--	--
8/16	145.0	0.38	47.5	543.0000	--	--	700.0	0.2000 U	0.20 U	0.05 U	385.0	5.46	--	--
3/17	143.0	0.31	34.0	539.0000	--	--	720.0	0.2000 U	0.20 U	0.05 U	425.0	5.68	--	--
9/17	144.0	0.20 U	29.8	551.0000	--	--	700.0	0.2000 U	0.20 U	0.05 U	434.0	5.65	--	--
3/18	139.0	0.22	50.7	584.0000	--	--	770.0	0.2000 U	0.20 U	0.05 U	243.0	5.66	--	--
9/18	140.0	0.33	39.7	607.0000	--	--	741.0	0.2000 U	0.20 U	0.05 U	224.0	5.67	--	--
4/19	254.0	0.94	50.0	546.0000	--	0.02	720.0 B	1.4000	--	--	141.6	5.80	6.12	--
8/19	210.0	0.99	52.2	593.0000	--	0.13	896.0	1.6000	--	--	178.8	5.41	6.01	--
3/20	157.0	0.63	41.9	566.0000	--	0.53	835.0	1.2100	--	--	261.1	5.60	5.77	--

Gude Landfill
Monitoring Location OB04A - General Parameters

Printed 6/22/21

	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)
7/20	155.0	0.61	49.5	560.0000	--	0.48	771.0	0.9300	--	--	159.9	5.59	5.77	--
3/21	163.0	0.56	39.6	594.0000	--	0.09	695.0	0.0500 U	--	--	169.1	5.65	5.82	--

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										
4/01	--	--	--	--	--	--	--	--	1.100	--
9/01	--	--	--	--	--	--	--	--	0.780	--
3/02	--	--	--	--	--	--	--	--	1.490	--
9/02	--	--	--	--	--	--	--	--	1.000	--
6/03	--	--	--	--	--	--	0	--	1.400	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	12.10	--	--	1200.0	--	--	10.300	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

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)
9/10	--	--	12.80	--	--	1672.0	--	--	16.300	--
4/11	--	--	11.50 J	--	--	1356.0	--	--	5.830	--
9/11	--	--	11.00	--	--	1636.0	--	--	--	--
3/12	--	--	11.10	--	--	1508.0	--	--	--	--
9/12	--	--	11.50	--	--	1476.0	--	--	--	--
4/13	2.0	--	9.00	--	15.5	1596.0	--	--	--	12.30
9/13	1.2	--	--	--	16.2	--	--	--	4.300	1.32
9/13	1697.0	--	11.70	--	17.2	1262.0	--	--	--	18.20
9/13	1.7	--	--	--	13.7	--	--	--	0.410	10.30
3/14	1720.0	--	12.00	--	15.5	1242.0	--	--	--	14.10
9/14	1818.0	--	14.00	--	17.0	1138.0	--	--	--	7.20
3/15	1577.0	--	11.00	--	14.8	1088.0	--	--	--	0.00
9/15	1837.0	--	9.29	--	18.2	1169.0	--	--	--	0.81
3/16	1836.0	--	12.20	--	13.8	1070.0	--	--	--	0.00
8/16	1862.0	--	11.30	--	21.5	1200.0	--	--	--	0.00
3/17	1771.0	--	12.00	--	15.6	1030.0	--	--	--	2.50
9/17	1837.0	--	10.50	--	19.6	1210.0	--	--	--	1.50
3/18	1832.0	--	12.60	--	15.0	1350.0	--	--	--	0.00
9/18	1987.0	--	11.10	--	24.2	1100.0	--	--	--	3.70
4/19	2541.0	2120.0	18.80	--	15.8	1450.0	--	6.3	0.812	2.00
8/19	1.8	2090.0	15.50	--	17.2	1790.0	--	2.3 J	0.500 U	2.30
3/20	1992.0	2110.0	12.20	--	15.8	1390.0	--	6.7	1.270	0.40

Gude Landfill
Monitoring Location OB04A - General Parameters

Printed 6/22/21

	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)
7/20	2009.0	2170.0	11.30	--	18.9	1210.0	--	10.0	0.500 U	2.10
3/21	2198.0	2190.0	11.40	--	19.2	1520.0	--	9.9	0.500 U	0.05

Gude Landfill
Monitoring Location OB04A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
4/13	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
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/13	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
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/14	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
9/14	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
3/15	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
9/15	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	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 6/22/21

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		
4/11	0.02	5.0	0.022	0.01 U	90.8	0.005 U	0.01 U	0.019
9/11	0.02	--	--	--	--	--	--	--
3/12	0.02	5.1	0.041	0.01 U	97.0	0.005 U	0.01 U	0.021
9/12	0.02	5.6	0.044	0.01 U	90.2	0.005 U	0.01 U	0.023
4/13	0.03	5.6	0.049	0.01 U	91.4	0.005 U	0.01 U	0.022
9/13	0.02	--	--	--	--	--	--	--
9/13	0.02	5.2	0.022	0.01 U	89.6	0.005 U	0.01 U	0.020
9/13	0.02	--	--	--	--	--	--	--
3/14	0.02	4.7	0.035	0.01 U	85.2	0.005 U	0.01 U	0.023
9/14	0.02	5.4	0.023	0.01 U	85.6	0.005 U	0.01 U	0.024
3/15	0.12	5.3	0.026 J	0.01 U	95.0	0.002 U	0.01 U	0.024
9/15	0.02	5.8	0.031	0.00 U	87.0	0.001 U	0.01 U	0.023
3/16	0.02	6.8	0.022	0.00 U	89.0	0.001 U	0.00 U	0.021
8/16	0.02	5.3	0.022	0.00 U	91.8	0.001 U	0.00 U	0.022
3/17	0.03	4.9	0.034	0.00 U	94.6	0.001 U	0.00	0.023
9/17	0.02	4.9	0.019	0.00 U	93.8	0.001 U	0.00 U	0.020
3/18	0.02	4.5	0.030	0.00 U	94.1	0.001 U	0.00	0.020
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.0898	0.0005 U	--	0.0020 U	--	0.0062	0.0007 U	0.0218	--	0.00130 U
9/01	0.0020 U	0.0020 U	0.0385	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0263	--	0.00200 U
3/02	0.0005 U	0.0054	0.0385	0.0017 U	--	0.0020 U	--	0.0023	0.0020 U	0.0246	--	0.00200 U
9/02	0.0007 U	0.0192	0.0397	0.0004 U	--	0.0020 U	--	0.0032	0.0020 U	0.0124	--	0.00200 U
6/03	0.0007 U	0.0039	0.0444	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0312	--	0.00200 U
10/03	0.0009 U	0.0020 U	0.0368	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0185	--	0.00200 U
3/04	0.0009 U	0.0020 U	0.0406	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0262	--	0.00200 U
9/04	0.0028 U	0.0020 U	0.0443	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0348	--	0.00200 U
4/05	0.0028 U	0.0020 U	0.0447	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0339	--	0.00200 U
9/05	0.0028 U	0.0020 U	0.1167	0.0012 U	--	0.0020	--	0.0007 U	0.0005 U	0.0218	--	0.00200
4/06	0.0006 U	0.0020 U	0.0408	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0260	--	0.00200 U
9/06	0.0007 U	0.0020 U	0.0441	0.0009 U	--	0.0006 U	--	0.0022	0.0020 U	0.0248	--	0.00070 U
4/07	0.0007 U	0.0020 U	0.0432	0.0009 U	0.200 U	--	--	0.0007 U	0.0020 U	0.0227	--	0.00070 U
10/07	0.0020 U	0.0020 U	0.0445	0.0009 U	0.155	--	--	0.0026	0.0020 U	0.0261	--	0.00200 U
3/08	0.0005 U	0.0020	0.0453	0.0010 U	0.138	--	--	0.0020 U	0.0012 U	0.0300	--	0.00100 U
9/08	0.0010 U	0.0040 U	0.0490	0.0020 U	0.400 U	--	--	0.0040 U	0.0024 U	0.0270	--	0.00400 U
3/09	0.0010 U	0.0100 U	0.0512	0.0012 U	0.166	--	--	0.0100 U	0.0100 U	0.0288	--	0.01000 U
9/09	0.0020 U	0.0036	0.0542	0.0020 U	--	0.0020 U	109.00	0.0021	0.0012 J	0.0328	0.9980	0.00200 U
7/10	0.0010 U	0.0012	0.0510	0.0010 U	--	0.0010 U	--	0.0012	0.0011	0.0260	--	0.00100 U
9/10	0.0050 U	0.0061	0.0539	0.0050 U	--	0.0050 U	113.00	0.0050 U	0.0050 U	0.0324	1.2400	0.00500 U
4/11	0.0050 U	0.0053	0.0579	0.0050 U	--	0.0050 U	117.00 J	0.0050 U	0.0050 U	0.0283	0.6360	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.0555	0.0050 U	--	0.0050 U	118.00	0.0050 U	0.0050 U	0.0236	0.7120	0.00500 U
3/12	0.0050 U	0.0105	0.0614	0.0050 U	--	0.0050 U	124.00	0.0050 U	0.0050 U	0.0295	1.1200	0.00500 U
9/12	0.0050 U	0.0107	0.0553	0.0050 U	--	0.0050 U	118.00	0.0050 U	0.0050 U	0.0256	0.6150	0.00500 U
4/13	0.0050 U	0.0105	0.0622	0.0050 U	--	0.0050 U	126.00	0.0050 U	0.0050 U	0.0364	0.8060	0.00500 U
9/13	0.0050 U	0.0010 U	0.0580	0.0010 U	--	0.0010 U	110.00	0.0005 J	0.0010 J	0.0260	10.0000 U	0.00100 U
9/13	0.0050 U	0.0056	0.0612	0.0050 U	--	0.0050 U	123.00	0.0050 U	0.0050 U	0.0284	0.9320	0.00500 U
9/13	0.0050 U	0.0010 U	0.0510	0.0010 U	--	0.0010 U	120.00	0.0010 U	0.0012	0.0200	0.1000 U	0.00100 U
3/14	0.0050 U	0.0106	0.0681	0.0050 U	--	0.0050 U	142.00	0.0050 U	0.0050 U	0.0281	1.0500	0.00500 U
9/14	0.0050 U	0.0051	0.0681	0.0050 U	--	0.0050 U	121.00	0.0050 U	0.0050 U	0.0291	0.9980	0.00500 U
3/15	0.0020 U	0.0082	0.0590	0.0020 U	--	0.0040 U	130.00	0.1500	0.0100 U	0.0300	0.5000	0.00200 U
9/15	0.0010 U	0.0067	0.0610	0.0010 U	--	0.0005 U	130.00	0.0050 U	0.0050 U	0.0280	0.0050 U	0.00100 U
3/16	0.0020 U	0.0046	0.0686	0.0020 U	--	0.0020 U	129.00	0.0020 U	0.0020 U	0.0280	0.9410	0.00200 U
8/16	0.0020 U	0.0048	0.0654	0.0020 U	--	0.0020 U	122.00	0.0020 U	0.0020 U	0.0254	0.8420	0.00200 U
3/17	0.0020 U	0.0064	0.0650	0.0020 U	--	0.0020 U	135.00	0.0057	0.0020 U	0.0300	0.8160	0.00200 U
9/17	0.0050 U	0.0050 U	0.0722	0.0050 U	--	0.0050 U	139.00	0.0050 U	0.0050 U	0.0357	1.5700	0.00500 U
3/18	0.0020 U	0.0098	0.0633	0.0020 U	--	0.0020 U	129.00	0.0087	0.0020 U	0.0238	0.2000 U	0.00200 U
9/18	0.0020 U	0.0073	0.0678	0.0020 U	--	0.0020 U	141.00	0.0039	0.0020 U	0.0287	0.0500 U	0.00200 U
4/19	0.0010 U	0.0010 U	0.0666	0.0010 U	--	0.0010 U	128.00	0.0023	0.0011	0.0305	0.1430	0.00100 U
8/19	0.0010 U	0.0010 U	0.0687	0.0010 U	--	0.0010 U	149.00	0.0028	0.0010	0.0330	0.1000 U	0.00100 U
3/20	0.0010 U	0.0010 U	0.0770	0.0010 U	--	0.0010 U	135.00	0.0017	0.0012	0.0327	0.0634 J	0.00100 U
7/20	0.0010 U	0.0010 U	0.0749	0.0010 U	--	0.0010 U	127.00	0.0013	0.0011	0.0405	0.0322 J	0.00100 U
3/21	0.0010 U	0.0010 U	0.0653	0.0010 U	--	0.0010 U	117.00	0.0013	0.0011	0.0294 QB	0.1090	0.00100 U

Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	0.30030	0.000100 U	0.0095	--	0.00500 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U
9/01	--	0.43090	0.000200	0.0133	--	0.00600	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
3/02	--	0.44300	0.000200 U	0.0137	--	0.01870	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/02	--	0.46990	0.000200 U	0.0162	--	0.05310	0.0096 U	--	0.0010 U	0.0020 U	0.00030 U
6/03	--	0.54390	0.000200	0.0152	--	0.01460	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
10/03	--	0.49730	0.000200 U	0.0119	--	0.00380	0.0022 U	--	0.0004 U	0.0003 U	0.00040 U
3/04	--	0.64480	0.000200 U	0.0138	--	0.00350	0.0022 U	--	0.0004 U	0.0003 U	0.00040 U
9/04	--	0.69150	0.000200 U	0.0141	--	0.00700	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U
4/05	--	0.69690	0.000200 U	0.0149	--	0.00270	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
9/05	--	0.31690	0.000100 U	0.0103	--	0.00320	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
4/06	--	0.66620	0.000200 U	0.0142	--	0.00530	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U
9/06	--	0.65920	0.000200 U	0.0148	--	0.00320	0.0020 U	--	0.0007 U	0.0050 U	0.00070 U
4/07	--	--	0.000200 U	0.0152	--	0.00740	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U
10/07	--	--	0.000200	0.0157	--	0.00850	0.0020 U	--	0.0007 U	0.0020 U	0.00200 U
3/08	--	--	0.000400	0.0164	--	0.00770	0.0026	--	0.0006 U	0.0500 U	0.00060 U
9/08	--	--	0.000200	0.0172	--	0.00640	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000200	0.0159	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.01000 U
9/09	71.900	0.96900	0.000300	0.0210	4.930	0.01740	0.0020 U	89.10	0.0020 U	--	0.00070 J
7/10	--	--	0.000200	0.0180	--	0.00100 U	0.0009 J	--	0.0010 U	0.0050 U	0.00500 U
9/10	80.300	1.13000	0.000200 U	0.0207	4.920	0.02430	0.0050 U	91.90	0.0050 U	--	0.00500 U
4/11	94.800	1.12000	0.000200 U	0.0193	5.920	0.02230	0.0050 U	100.00 J	0.0050 U	--	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 6/22/21

	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)
9/11	85.500	1.10000	0.000200 U	--	4.990	0.01610	0.0050 U	91.10	0.0050 U	--	0.00500 U
3/12	88.800	1.01000	0.000200 U	0.0217	5.730	0.03730	0.0050 U	95.00	0.0050 U	--	0.00500 U
9/12	81.000	1.12000	0.000200 U	0.0252	5.420	0.03910	0.0050 U	89.00	0.0050 U	--	0.00500 U
4/13	89.600	1.23000	0.000200 U	0.0256	5.960	0.04340	0.0050 U	100.00	0.0050 U	--	0.00500 U
9/13	77.000	1.40000	0.000130 J	--	4.700	0.00100 U	0.0006 J	81.00	0.0010 U	--	0.00500 U
9/13	85.500	1.48000	0.000200 U	0.0186	5.150	0.02390	0.0050 U	90.40	0.0050 U	--	0.00500 U
9/13	82.000	1.20000	0.000110 J	--	4.400	0.00100 U	0.0010 U	87.00	0.0010 U	--	0.00500 U
3/14	98.800	1.32000	0.000200 U	0.0238	5.380	0.03580	0.0050 U	106.00	0.0050 U	--	0.00500 U
9/14	85.200	1.58000	0.000200 U	0.0219	5.510	0.02330	0.0050 U	89.60	0.0050 U	--	0.00500 U
3/15	89.000	1.60000	0.000200 U	0.0110 U	5.300	0.02800 J	0.0100 U	94.00	0.0020 U	--	0.01000 U
9/15	89.000	1.70000	0.000200 U	0.0170	5.900	0.02600	0.0010 U	89.00	0.0010 U	--	0.00500 U
3/16	91.100	1.84000	0.000200 U	0.0225	5.740	0.02260	0.0020 U	90.30	0.0010 U	--	0.00200 U
8/16	85.100	1.76000	0.000200 U	0.0209	4.970	0.01970	0.0020 U	84.30	0.0010 U	--	0.00200 U
3/17	94.500	1.74000	0.000200 U	0.0253	4.960	0.03390	0.0020 U	96.30	0.0010 U	--	0.00425
9/17	96.600	1.80000	0.000200 U	0.0225	5.230	0.01570	0.0050 U	97.00	0.0050 U	--	0.00500 U
3/18	89.600	1.86000	0.000200 U	0.0220	4.960	0.03020	0.0020 U	92.10	0.0010 U	--	0.00275
9/18	94.500	1.96000	0.000200 U	0.0264	4.910	0.02580	0.0020 U	93.20	0.0010 U	--	0.00200 U
4/19	98.500	2.42000	0.000100 U	0.0237	6.320	0.00100 U	0.0010 U	108.00	0.0010 U	--	0.00100 U
8/19	127.000	3.20000	0.000100 U	0.0260	6.660	0.00100 U	0.0010 U	124.00	0.0010 U	--	0.00100 U
3/20	121.000	3.12000	0.000100 U	0.0262	6.420	0.00100 U	0.0010 U	114.00	0.0010 U	--	0.00100 U
7/20	110.000	2.84000	0.000100 U	0.0256	6.330	0.00100 U	0.0010 U	105.00	0.0010 U	--	0.00100 U
3/21	97.700	2.48000	0.000100 U	0.0237	5.370	0.00100 U	0.0010 U	90.40	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
4/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.01660
10/07	0.01700
3/08	0.02010
9/08	0.02730
3/09	0.03210
9/09	0.02400
7/10	0.02800
9/10	0.02140
4/11	0.02100

Gude Landfill
Monitoring Location OB04A - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.02040	
3/12	0.02270	
9/12	0.02220	
4/13	0.02280	
9/13	2.00000	U
9/13	0.02270	
9/13	0.02100	
3/14	0.02390	
9/14	0.02600	
3/15	0.02400	
9/15	0.02300	
3/16	0.02200	
8/16	0.01860	
3/17	0.02180	
9/17	0.04460	
3/18	0.01920	
9/18	0.02520	
4/19	0.02050	B
8/19	0.02630	B
3/20	0.02780	
7/20	0.02470	
3/21	0.02720	

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
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	1.00 U	1.00 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	1.00 U	1.00 U	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	1.00 U	1.00 U	1.00 U	0.19 U	6.47
3/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	1.00 U	0.27 U	1.00 U	0.33 U	7.30
4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.00 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.00 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.50 U	0.50 U	0.17 U	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.50 U	0.73	0.13 U	4.46
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.50 U	0.80	0.13 U	10.00 U
9/09	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	0.51 J	1.00 U	0.72 J	1.00 U	7.33
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.00

Gude Landfill

Printed 6/22/21

Monitoring Location OB04A - 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-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)	1,4-Dichlorobenzene (ug/L)	
9/10	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	2.00 U	0.51 J	2.00 U	4.66
4/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	0.60	1.00 U	1.00 U	1.00 U	--	7.60
9/12	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	1.00 U	1.00 U	1.00 U	6.94
4/13	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	1.06	1.00 U	1.33	1.00 U	15.90	
9/13	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	6.23
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	1.00 U	1.00 U	7.07
9/14	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	6.83
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	7.95
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	1.00 U	1.00 U	1.00 U	7.66
3/16	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	9.95
8/16	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	4.69
3/17	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	8.79
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	1.00 U	1.00 U	1.00 U	8.35
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	8.89
9/18	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	6.99
4/19	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	1.00 U	1.00 U	6.20
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	1.00 U	1.00 U	8.10
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.40
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.60
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.00

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/01	0.11 U	--	0.18 U	--	1.00 U	--	1.56	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
3/02	0.11 U	--	0.18 U	--	1.00 U	--	1.81	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
6/03	0.11 U	--	0.18 U	--	1.00 U	--	1.48	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
10/03	0.11 U	0.58	1.00 U	--	0.15 U	--	1.79	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	0.20 U
3/04	0.11 U	--	0.18 U	--	0.15 U	--	1.64	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	1.00 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.40	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
4/05	0.23 U	0.29 U	1.00 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.65	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.08	0.31 U
4/07	0.23 U	1.09	0.19 U	--	0.39 U	--	1.72	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.02	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.83	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.31 U
3/08	0.19 U	--	--	--	--	--	1.40	0.12 U	0.19 U	0.12 U	0.09 U	--	0.13 U	0.98	0.10 U
9/08	0.22 U	--	--	--	--	--	1.32	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.82	0.13 U
3/09	0.22 U	--	--	--	--	--	1.65	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	1.07	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.35 J	1.00 U	1.68	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.14	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	2.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	2.00 U	0.78 J	2.00 U	2.00 U	18.60	2.00 U	2.45	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.87 J	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	6.60	5.00 U	2.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	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
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.50	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.56	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.94	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.57	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.25	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.37	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.97	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.34	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.86	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.33	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.63	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.42	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.81	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.47	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.71	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.82	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.58	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.61	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.54	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	8.10	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	0.23 U	0.21 U	4.45	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/01	0.23 U	0.21 U	23.24	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	8.87	0.27 U	0.21 U	2.06	0.24 U
3/02	1.00 U	0.21 U	26.49	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	4.09	0.27 U	0.21 U	3.55	0.24 U
9/02	0.23 U	0.21 U	18.02	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.30	0.27 U	0.21 U	1.44	1.00 U
6/03	0.23 U	0.21 U	19.38	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	1.97	0.27 U	0.21 U	2.37	0.24 U
10/03	0.23 U	0.21 U	22.97	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	1.24	0.27 U	0.21 U	0.17 U	1.00 U
3/04	0.23 U	1.00 U	18.94	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.49	0.27 U	0.21 U	1.01	0.24 U
9/04	0.27 U	0.25 U	15.36	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	2.19	0.18 U	0.25 U	1.39	1.00 U
4/05	0.27 U	0.25 U	11.88	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	1.84	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	5.65	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	12.82	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	1.50	1.00 U	0.25 U	1.45	0.32 U
9/06	0.27 U	0.25 U	23.31	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	2.77	0.18 U	0.25 U	1.92	0.32 U
4/07	0.27 U	0.25 U	24.08	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	3.31	0.18 U	0.25 U	1.77	0.32 U
10/07	0.27 U	0.25 U	26.31	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	2.67	0.18 U	0.25 U	1.65	0.32 U
3/08	0.21 U	0.15 U	23.78	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.50 U	2.45	0.22 U	0.20 U	1.42	0.28 U
9/08	0.12 U	0.20 U	20.70	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	2.44	0.11 U	0.11 U	1.34	0.50 U
3/09	0.50 U	0.20 U	24.40	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	2.98	0.11 U	0.11 U	1.70	0.12 U
9/09	1.00 U	1.00 U	21.80	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	3.38	1.00 U	1.00 U	1.23	1.00 U
7/10	1.00 U	1.00 U	25.00	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	--	1.00 U	4.00	1.00 U	1.00 U	2.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	2.00 U	8.54	2.00 U	2.00 U	2.00 U	4.00 U	2.00 U	2.00 U	2.00 U	3.39	2.00 U	2.00 U	0.60 J	2.00 U
4/11	1.00 U	7.50	67.00	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	7.70	--	1.00 U	13.00	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	4.40	--	1.00 U	1.30	1.00 U
3/12	1.00 U	1.00 U	20.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.90	1.00 U
9/12	1.00 U	1.00 U	16.40	1.00 U	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
4/13	1.00 U	1.00 U	36.80	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	6.57	1.00 U	1.00 U	3.36	1.00 U
9/13	1.00 U	1.00 U	19.40	1.00 U	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
3/14	1.00 U	1.00 U	16.00	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.88	1.00 U	1.00 U	1.35	1.00 U
9/14	1.00 U	1.00 U	15.60	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.80	1.00 U	1.00 U	1.14	1.00 U
3/15	1.00 U	1.00 U	17.80	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.74	1.00 U	1.00 U	1.39	1.00 U
9/15	1.00 U	1.00 U	17.30	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	3.43	1.00 U	1.00 U	1.36	1.00 U
3/16	1.00 U	1.00 U	20.20	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	3.85	1.00 U	1.00 U	1.65	1.00 U
8/16	1.00 U	1.00 U	15.80	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	19.00	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	3.30	1.00 U	1.00 U	1.29	1.00 U
9/17	1.00 U	1.00 U	16.90	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.93	1.00 U	1.00 U	1.31	1.00 U
3/18	1.00 U	1.00 U	18.60	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	3.16	1.00 U	1.00 U	1.25	1.00 U
9/18	1.00 U	1.00 U	16.00	1.00 U	1.00 U	1.00 U	2.00 U	5.00 U	5.00 U	1.00 U	2.84	1.00 U	1.00 U	1.11	1.00 U
4/19	1.00 U	1.00 U	14.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00 U	1.00 U	1.10	1.00 U
8/19	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	3.40	1.00 U	1.00 U	1.40	1.00 U
3/20	1.00 U	1.00 U	20.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.00 B	1.00 U	1.00 U	1.40	1.00 U
7/20	1.00 U	1.00 U	21.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.00 U	1.00 U	1.60	2.30
3/21	1.00 U	1.00 U	17.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.90	1.00 U	1.00 U	1.30	1.00 U

Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/01	1.00 U	0.13 U	0.14 U	2.05	0.18 U	--	--	0.27 U
3/02	1.00 U	0.13 U	0.14 U	2.97	0.18 U	--	--	0.27 U
9/02	1.00 U	0.13 U	0.14 U	1.54	0.18 U	--	--	0.27 U
6/03	1.00 U	0.13 U	0.14 U	1.70	0.18 U	--	--	0.27 U
10/03	1.00 U	0.13 U	1.00 U	2.19	0.18 U	--	1.68	0.27 U
3/04	1.00 U	0.13 U	1.00 U	1.94	0.18 U	--	1.29	0.27 U
9/04	0.45 U	0.24 U	0.30 U	2.02	0.36 U	--	1.49	0.18 U
4/05	0.45 U	0.24 U	1.00 U	1.53	0.36 U	--	1.43	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	1.87	0.36 U	--	1.00 U	1.00 U
9/06	1.00 U	0.24 U	0.30 U	2.24	0.36 U	--	1.15	0.18 U
4/07	1.00 U	0.24 U	0.30 U	1.93	0.36 U	--	1.06	0.18 U
10/07	1.00 U	0.24 U	0.30 U	2.08	0.36 U	--	2.02	0.18 U
3/08	0.50 U	0.08 U	--	1.96	0.07 U	--	1.37	0.22 U
9/08	0.50 U	0.13 U	--	1.45	0.10 U	--	1.39	0.11 U
3/09	0.58	0.13 U	--	1.87	0.10 U	--	1.65	0.11 U
9/09	0.58 J	1.00 U	1.00 U	1.83	1.00 U	--	2.12	1.00 U
7/10	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1.00 U	2.00	1.00 U

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Gude Landfill
Monitoring Location OB04A - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	1.07 J	2.00 U	2.00 U	2.78	2.00 U
4/11	5.40	1.00 U	5.00 U	17.00	3.80	1.00 U	1.00 U	1.00 U
9/11	2.20	1.00 U	5.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.22	1.00 U	5.00 U	3.39	1.00 U	5.00 U	4.37	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.26	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5.00 U	1.78	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.27	1.00 U	5.00 U	2.35	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5.00 U	2.06	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.63	1.00 U	5.00 U	1.98	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.66	1.00 U	5.00 U	2.40	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.37	1.00 U	5.00 U	1.68	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5.00 U	2.20	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5.00 U	1.91	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5.00 U	1.93	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5.00 U	1.96	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.40	1.00 U	1.00 U	1.80	1.00 U
8/19	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	2.10	1.00 U
3/20	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	2.20	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.70	1.00 U	1.00 U	2.50	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	2.50	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	348.9380	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	301.1230	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	307.3560	0.001 U	--	--	--	--	--	--	--	--	--
9/02	--	--	--	312.7100	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	--	0.012	--	--	--	--	--	--	--	--	0.028
10/03	--	--	--	--	0.012	--	--	--	--	--	--	--	--	0.023
3/04	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.025
9/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.028
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
9/05	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.027
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026
9/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.028
4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
10/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	0.055
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	150.0	0.20 U	68.0	356.0000	--	--	580.0	0.6869	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - General Parameters

Printed 6/22/21

	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)
9/10	220.0	0.20 U	31.5	360.0000	--	--	550.0	0.8700	1.06	0.19	--	--	--	--
4/11	145.0	0.39	38.9	356.0000	--	--	553.0	0.7580	0.93	0.17	--	--	--	--
9/11	156.0	0.20 U	32.9	350.0000	--	--	552.0	0.7860	0.99	0.20	--	--	--	--
3/12	175.0	0.20 U	44.0	383.0000	--	--	582.0	0.7080	0.91	0.20	--	--	--	--
9/12	161.0	0.20 U	38.1	374.0000	--	--	566.0	0.6740	0.86	0.19	--	--	--	--
3/13	178.0	0.20 U	43.0	382.0000	--	0.06	582.0	0.5540	0.75	0.20	450.0	6.03	--	--
9/13	188.0	0.20 U	36.2	376.0000	--	0.04	584.0	0.5590	0.75	0.19	386.0	5.70	--	--
9/13	--	--	--	--	--	0.59	580.0	--	--	--	122.1	5.75	--	--
9/13	--	--	--	--	--	0.34	580.0	--	--	--	222.8	5.65	--	--
3/14	203.0	0.20 U	44.6	373.0000	--	0.04	632.0	0.4860	--	--	402.0	5.96	--	--
9/14	182.0	0.20 U	41.5	365.0000	--	1.21	584.0	0.6090	0.80	0.19	356.0	5.94	--	--
3/15	197.0	0.20 U	43.2	372.0000	--	0.00	586.0	0.5900	0.78	0.19	350.0	6.31	--	--
9/15	220.0	0.20 U	48.4	365.0000	--	--	572.0	0.5350	0.71	0.18	292.0	5.87	--	--
3/16	231.0	0.20 U	29.5	382.0000	--	0.00	576.0	0.4100	0.59	0.18	381.0	6.24	--	--
8/16	244.0	0.20 U	43.3	384.0000	--	--	560.0	0.3640	0.51	0.15	373.0	6.07	--	--
3/17	296.0	0.20 U	42.2	376.0000	--	--	592.0	0.2880	0.41	0.13	383.0	6.00	--	--
9/17	275.0	0.20 U	48.2	352.0000	--	0.98	670.0	0.2600	0.37	0.11	408.0	6.12	--	--
4/18	283.0	0.20 U	58.0	381.0000	--	--	588.0	0.2000 U	0.26	0.08	211.0	6.00	--	--
9/18	294.0	0.20 U	49.2	379.0000	--	--	307.0	0.2000 U	0.24	0.06	213.0	5.94	--	--
4/19	289.0	0.10 U	51.9	358.0000	--	0.77	600.0 B	0.2000 U	--	--	132.8	6.01	6.14	--
7/19	213.0	0.10 U	55.0	344.0000	--	0.73	586.0 B	0.2000 U	--	--	199.9	5.91	6.14	--
3/20	308.0	0.10 U	44.4	383.0000	--	0.47	554.0	0.3300	--	--	178.5	5.97	6.23	--

Gude Landfill
Monitoring Location OB06 - General Parameters

Printed 6/22/21

	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)
7/20	298.0	0.10 U	53.5	345.0000	--	1.16	584.0	0.2200	--	--	171.9	5.85	6.11	--
3/21	317.0	0.10 U	42.7	359.0000	--	0.46	544.0	0.2030	--	--	201.2	6.01	6.24	--

Gude Landfill
Monitoring Location OB06 - General Parameters

Printed 6/22/21

	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										
4/01	--	--	--	--	--	--	--	--	1.600	--
9/01	--	--	--	--	--	--	--	--	3.400	--
3/02	--	--	--	--	--	--	--	--	2.430	--
9/02	--	--	--	--	--	--	--	--	3.100	--
6/03	--	--	--	--	--	--	0 U	--	1.700	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0 U	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	82.90	--	--	1116.0	--	--	21.700	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

Gude Landfill
Monitoring Location OB06 - General Parameters

Printed 6/22/21

	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)
9/10	--	--	81.70	--	--	1784.0	--	--	3329.000	--
4/11	--	--	85.70	--	--	1192.0	--	--	3800.000	--
9/11	--	--	93.70	--	--	960.0	--	--	--	--
3/12	--	--	76.80	--	--	1156.0	--	--	--	--
9/12	--	--	89.60	--	--	1224.0	--	--	--	--
3/13	1.2	--	86.50	--	12.5	1124.0	--	--	--	44.60
9/13	1537.0	--	101.00	--	13.5	1150.0	--	--	--	38.50
9/13	1.0	--	--	--	12.9	--	--	--	4.300	7.93
9/13	1.4	--	--	--	10.4	--	--	--	1.400	11.70
3/14	1567.0	--	89.80	--	12.9	982.0	--	--	--	206.00
9/14	1490.0	--	92.60	--	14.2	1034.0	--	--	--	58.90
3/15	313.4	--	89.90	--	12.6	970.0	--	--	--	35.50
9/15	1618.0	--	102.00	--	15.7	913.0	--	--	--	36.40
3/16	1625.0	--	99.30	--	14.1	979.0	--	--	--	20.10
8/16	1670.0	--	102.00	--	18.3	1080.0	--	--	--	66.90
3/17	1615.0	--	91.50	--	13.6	919.0	--	--	--	40.10
9/17	1803.0	--	99.40	--	13.8	1020.0	--	--	--	29.60
4/18	1668.0	--	74.20	--	12.3	1010.0	--	--	--	38.90
9/18	1832.0	--	82.70	--	24.4	1110.0	--	--	--	149.80
4/19	2099.0	1760.0	99.60	--	14.0	1140.0	--	22.3	9.110	29.90
7/19	1479.0	1720.0	124.00	--	14.6	1150.0	--	16.3	8.590	9.70
3/20	1618.0	1770.0	114.00	--	14.3	1040.0	--	21.2	11.400	11.40

Gude Landfill
Monitoring Location OB06 - General Parameters

Printed 6/22/21

	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)
7/20	1531.0	1840.0	96.20	--	16.4	1060.0	--	105.0	21.100	58.10
3/21	1581.0	1860.0	106.00	--	13.9	1020.0	--	33.9	6.750	31.70

Gude Landfill
Monitoring Location OB06 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	0.002 U	0.004	0.176	0.002 U	0.002 U	150.0	0.01	0.00	0.004	0.1 U	0.002 U	58.8	0.481	0.0002 U

Gude Landfill
Monitoring Location OB06 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/11	0.01	4.6	0.015	0.01 U	70.3	0.005 U	0.01 U	0.024
9/11	0.01	--	--	--	--	--	--	--
3/12	0.02	4.6	0.012	0.01 U	78.7	0.005 U	0.01 U	0.022
9/12	0.02	4.8	0.016	0.01 U	95.8	0.005 U	0.01 U	0.018
3/13	0.01	6.3	0.016	0.01 U	92.5	0.005 U	0.01 U	0.020
9/13	0.01	4.7	0.013	0.01 U	93.4	0.005 U	0.01 U	0.018
9/13	0.01	--	--	--	--	--	--	--
9/13	0.01	--	--	--	--	--	--	--
3/14	0.01	4.8	0.012	0.01 U	104.0	0.005 U	0.01 U	0.019
9/14	0.01	4.4	0.015	0.01 U	93.5	0.005 U	0.01 U	0.026
3/15	0.01	4.3	0.015 U	0.01 U	100.0	0.002 U	0.01 U	0.016
9/15	0.01 U	4.9	0.016	0.00 U	110.0	0.001 U	0.01 U	0.015
3/16	0.01	4.2	0.012	0.00 U	114.0	0.001 U	0.00 U	0.013
8/16	0.01	4.5	0.015	0.00 U	113.0	0.001 U	0.00 U	0.012
3/17	0.02	4.2	0.020	0.00 U	126.0	0.001 U	0.00	0.015
9/17	0.01	4.3	0.010	0.00 U	127.0	0.001 U	0.00 U	0.012
4/18	0.01	4.4	0.015	0.00 U	131.0	0.001 U	0.00	0.011
9/18	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 6/22/21

	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
4/01	0.0005 U	0.0020 U	0.1469	0.0017 U	--	0.0020 U	--	0.0037	0.0026	0.0085	--	0.00200 U
9/01	0.0020 U	0.0020	0.1568	0.0017 U	--	0.0020 U	--	0.0012 U	0.0030	0.0089	--	0.00200 U
3/02	0.0005 U	0.0038	0.1545	0.0017 U	--	0.0020 U	--	0.0020 U	0.0029	0.0082	--	0.00200 U
9/02	0.0007 U	0.0125	0.1651	0.0004 U	--	0.0020	--	0.0043	0.0032	0.0098	--	0.00230
6/03	0.0014 U	0.0040 U	0.2120	0.0008 U	--	0.0040 U	--	0.0010 U	0.0045	0.0094	--	0.00400 U
10/03	0.0009 U	0.0020 U	0.1657	0.0016 U	--	0.0007 U	--	0.0005 U	0.0032	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0020 U	0.1792	0.0016 U	--	0.0007 U	--	0.0005 U	0.0043	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0020 U	0.1979	0.0012 U	--	0.0020 U	--	0.0020 U	0.0043	0.0125	--	0.00200 U
4/05	0.0028 U	0.0020 U	0.2335	0.0012 U	--	0.0020 U	--	0.0020 U	0.0039	0.0138	--	0.00060 U
9/05	0.0033	0.0020 U	0.1901	0.0012 U	--	0.0020 U	--	0.0020 U	0.0050	0.0204	--	0.00280
4/06	0.0012 U	0.0040 U	0.2245	0.0014 U	--	0.0040 U	--	0.0040 U	0.0047	0.0082	--	0.00200
9/06	0.0007 U	0.0030	0.2017	0.0009 U	--	0.0020 U	--	0.0104	0.0063	0.0192	--	0.00480
4/07	0.0034	0.0027	0.1950	0.0009 U	0.027	--	--	0.0020 U	0.0049	0.0083	--	0.00200 U
10/07	0.0070 U	0.0080 U	0.4262	0.0090 U	0.200 U	--	--	0.0768	0.0251	0.1077	--	0.04910
3/08	0.0005 U	0.0027	0.1607	0.0010 U	0.067	--	--	0.0020 U	0.0052	0.0096	--	0.00200 U
9/08	0.0010 U	0.0040 U	0.1700	0.0020 U	0.078	--	--	0.0016 U	0.0052	0.0101	--	0.00400 U
3/09	0.0010 U	0.0100 U	0.1941	0.0012 U	0.133	--	--	0.0127	0.0100 U	0.0117	--	0.01000 U
9/09	0.0020 U	0.0032	0.1960	0.0020 U	--	0.0020 U	148.00	0.0021	0.0059	0.0116	1.7000	0.00200 U
7/10	0.0010 U	0.0037	0.2200	0.0008 J	--	0.0010 U	--	0.0250	0.0094	0.0430	--	0.01500
9/10	0.0050 U	0.0067	0.5070	0.0050 U	--	0.0050 U	126.00	0.1270	0.0326	0.2070	111.0000	0.05030
4/11	0.0050 U	0.0050 U	0.5360	0.0050 U	--	0.0050 U	145.00 J	0.0199	0.0101	0.0444	15.5000	0.04740

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	137.50	0.0050 U	0.0050 U	0.0068	1.0500	0.00500 U
3/12	0.0050 U	0.0050 U	0.2210	0.0050 U	--	0.0050 U	142.00	0.0133	0.0069	0.0309	12.2000	0.00810
9/12	0.0050 U	0.0050 U	0.1900	0.0050 U	--	0.0050 U	148.00	0.0063	0.0066	0.0150	5.0700	0.00500 U
3/13	0.0050 U	0.0050 U	0.1960	0.0050 U	--	0.0050 U	135.00	0.0050 U	0.0050 U	0.0158	1.1700	0.00500 U
9/13	0.0050 U	0.0050 U	0.1800	0.0050 U	--	0.0050 U	136.00	0.0050 U	0.0050 U	0.0091	1.4000	0.00500 U
9/13	0.0050 U	0.0006 J	0.1800	0.0010 U	--	0.0010 U	140.00	0.0010 U	0.0051	0.0036	10.0000 U	0.00100 U
9/13	0.0050 U	0.0010 U	0.1700	0.0010 U	--	0.0010 U	140.00	0.0010 U	0.0052	0.0033	0.1300	0.00100 U
3/14	0.0050 U	0.0050 U	0.2050	0.0050 U	--	0.0050 U	146.00	0.0073	0.0057	0.0164	7.3000	0.00500 U
9/14	0.0050 U	0.0050 U	0.1930	0.0050 U	--	0.0050 U	130.00	0.0050 U	0.0050 U	0.0106	2.6900	0.00500 U
3/15	0.0020 U	0.0047	0.1700	0.0020 U	--	0.0040 U	140.00	0.0100 U	0.0100 U	0.0051 J	0.6400	0.00200 U
9/15	0.0010 U	0.0059	0.1700	0.0010 U	--	0.0005 U	140.00	0.0050 U	0.0050 J	0.0050 U	1.5000	0.00100 U
3/16	0.0020 U	0.0027	0.1930	0.0020 U	--	0.0020 U	90.80	0.0027	0.0046	0.0050	1.0400	0.00200 U
8/16	0.0050 U	0.0050 U	0.1990	0.0050 U	--	0.0050 U	136.00	0.0050 U	0.0050 U	0.0075	1.7500	0.00500 U
3/17	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	148.00	0.0050 U	0.0053	0.0138	1.8700	0.00500 U
9/17	0.0050 U	0.0050 U	0.2010	0.0050 U	--	0.0050 U	144.00	0.0050 U	0.0051	0.0111	3.8100	0.00500 U
4/18	0.0050 U	0.0050	0.1930	0.0050 U	--	0.0050 U	141.00	0.0050 U	0.0050 U	0.0061	1.0700	0.00500 U
9/18	0.0050 U	0.0056	0.2020	0.0050 U	--	0.0050 U	73.20	0.0065	0.0057	0.0253	3.6300	0.00500 U
4/19	0.0010 U	0.0010 U	0.1710	0.0010 U	--	0.0010 U	127.00	0.0053	0.0048	0.0067	0.8360	0.00100 U
7/19	0.0010 U	0.0010 U	0.1720	0.0010 U	--	0.0010 U	132.00 B	0.0043	0.0047	0.0147	0.7410	0.00100 U
3/20	0.0010 U	0.0010 U	0.1760	0.0010 U	--	0.0010 U	136.00	0.0028	0.0048	0.0070	1.4000	0.00100 U
7/20	0.0010 U	0.0010 U	0.1810	0.0010 U	--	0.0010 U	127.00	0.0069	0.0052	0.0074	1.6300	0.00105
3/21	0.0010 U	0.0010 U	0.1640	0.0010 U	--	0.0010 U	120.00	0.0021	0.0044	0.0073	1.2700	0.00100 U

Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	0.18430	0.000200 U	0.0100 U	--	0.00350	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/01	--	0.21010	0.000200 U	0.0100	--	0.00700	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
3/02	--	0.19740	0.000200	0.0102	--	0.01230	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/02	--	0.18850	0.000200	0.0117	--	0.03670	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
6/03	--	0.35200	0.000200	0.0141	--	0.00870	0.0192 U	--	0.0020 U	0.0008 U	0.00060 U
10/03	--	0.25440	0.000200 U	0.0086	--	0.00410	0.0022 U	--	0.0004 U	0.0003 U	0.00040 U
3/04	--	0.29950	0.000200	0.0111	--	0.00500	0.0022 U	--	0.0004 U	0.0003 U	0.00040 U
9/04	--	0.38570	0.000200	0.0118	--	0.00610	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U
4/05	--	0.38130	0.000200	0.0106	--	0.00600	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U
9/05	--	0.41550	0.000200	0.0126	--	0.00490	0.0200 U	--	0.0006 U	0.0050 U	0.00200 U
4/06	--	0.41810	0.000200	0.0138	--	0.01180	0.0008 U	--	0.0008 U	0.0050 U	0.00080 U
9/06	--	0.49540	0.000200	0.0204	--	0.00880	--	--	0.0007 U	0.0050 U	0.00690
4/07	--	--	0.000200	0.0139	--	0.00940	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U
10/07	--	--	0.000500	0.0805	--	0.02000 U	0.0050 U	--	0.0070 U	0.0020 U	0.07240
3/08	--	--	0.000300	0.0129	--	0.00950	0.0020 U	--	0.0006 U	0.0500 U	0.00060 U
9/08	--	--	0.000200	0.0129	--	0.00880	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000200	0.0200	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.01000 U
9/09	56.600	0.48200	0.000200	0.0166	4.820	0.01470	0.0020 U	83.30	0.0020 U	--	0.00100 U
7/10	--	--	0.001900	0.0290	--	0.00100 U	0.0027	--	0.0010 U	0.0050 U	0.02500
9/10	78.800	1.57000	0.001490	0.1310	28.800	0.02300	0.0050 U	70.40	0.0050 U	--	0.13300
4/11	63.000	0.86200	0.008520	0.0245	6.200	0.02010	0.0050 U	80.30	0.0050 U	--	0.02130

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 6/22/21

	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)
9/11	55.900	0.48700	0.000870	--	4.720	0.01220	0.0050 U	81.00	0.0050 U	--	0.00500 U
3/12	61.300	0.59200	0.000540	0.0128	7.390	0.01210	0.0050 U	94.30	0.0050 U	--	0.01480
9/12	61.100	0.58900	0.000407	0.0126	5.520	0.01510	0.0050 U	88.70	0.0050 U	--	0.00500 U
3/13	55.300	0.49600	0.000200 U	0.0121	6.200	0.01690	0.0050 U	92.20	0.0050 U	--	0.00500 U
9/13	54.700	0.48100	0.000200 U	0.0112	4.750	0.01240	0.0050 U	87.30	0.0050 U	--	0.00500 U
9/13	55.000	0.56000	0.000120 J	--	4.300	0.00100 U	0.0010 U	95.00	0.0010 U	--	0.00500 U
9/13	57.000	0.52000	0.000150 J	--	3.900	0.00100 U	0.0010 U	98.00	0.0010 U	--	0.00500 U
3/14	61.900	0.55700	0.000510	0.0151	5.570	0.01170	0.0050 U	105.00	0.0050 U	--	0.00736
9/14	55.500	0.49400	0.000200 U	0.0129	4.680	0.01340	0.0050 U	91.00	0.0050 U	--	0.00500 U
3/15	55.000	0.47000	0.000200 U	0.0140	4.400	0.01400 J	0.0100 U	100.00	0.0020 U	--	0.01000 U
9/15	58.000	0.58000	0.000230	0.0100 U	5.100	0.01700	0.0010 U	110.00	0.0010 U	--	0.00500 U
3/16	56.200	0.56800	0.000200 U	0.0104	4.130	0.01210	0.0002	125.00	0.0010 U	--	0.00200 U
8/16	56.700	0.55800	0.000200 U	0.0112	4.350	0.01070	0.0050 U	108.00	0.0050 U	--	0.00500 U
3/17	60.500	0.58200	0.000200 U	0.0163	4.390	0.02110	0.0050 U	124.00	0.0050 U	--	0.00501
9/17	59.000	0.67700	0.000200 U	0.0130	4.890	0.00848	0.0050 U	120.00	0.0050 U	--	0.00500 U
4/18	57.100	0.49700	0.000200 U	0.0122	4.690	0.01310	0.0050 U	124.00	0.0050 U	--	0.00500 U
9/18	30.200	0.62700	0.000224	0.0202	4.830	0.02310	0.0050 U	66.80	0.0050 U	--	0.00500 U
4/19	68.600	0.60800	0.000252	0.0125	4.500	0.00100 U	0.0010 U	155.00	0.0010 U	--	0.00105
7/19	62.400	0.62600	0.000148	0.0112	4.200	0.00100 U	0.0010 U	139.00 B	0.0010 U	--	0.00100 U
3/20	60.400	0.63300	0.000227	0.0110	4.520	0.00100 U	0.0010 U	158.00	0.0010 U	--	0.00141
7/20	65.100	0.67200	0.000379	0.0130	4.830	0.00100 U	0.0010 U	145.00	0.0010 U	--	0.00169
3/21	59.100	0.58800	0.000326	0.0091	4.430	0.00100 U	0.0010 U	132.00	0.0010 U	--	0.00157

Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
4/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.03600
10/07	0.27890
3/08	0.03100
9/08	0.03210
3/09	0.04140
9/09	0.03210
7/10	0.08900
9/10	0.37200
4/11	0.09970

Gude Landfill
Monitoring Location OB06 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.02130
3/12	0.05450
9/12	0.03850
3/13	0.02100
9/13	0.02080
9/13	2.00000 U
9/13	0.01900 J
3/14	0.03570
9/14	0.02830
3/15	0.01900
9/15	0.02200
3/16	0.01280
8/16	0.01620
3/17	0.01940
9/17	0.06550
4/18	0.02700
9/18	0.04110
4/19	0.02050
7/19	0.01560
3/20	0.01820
7/20	0.01920
3/21	0.02580

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	1.00 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	1.00 U	0.17 U	0.21 U	0.19 U	1.46
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	1.00 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	11.00 U	0.27 U	0.34 U	0.33 U	11.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	10.00 U	0.18 U	0.17 U	0.20 U	1.03
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.50 U	0.13 U	0.15 U	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	1.43
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/10	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	2.00 U	2.00 U	0.93 J
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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	1.66
9/13	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	1.21
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	1.00 U	1.42
9/14	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	1.26
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	1.35
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	1.00 U	1.00 U	1.12
3/16	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	1.33
8/16	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	1.29
3/17	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
9/17	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
4/18	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	1.32
9/18	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
4/19	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	1.00 U	1.00 J
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.10
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	1.22	0.15 U	1.00 U	0.20 U
10/03	0.11 U	0.69	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
3/04	0.11 U	0.19	1.00 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	1.00 U	1.37	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.10 U
9/08	0.22 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.52	0.13 U
3/09	0.22 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.72	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.30 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	0.75 J	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	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	5.00 U	2.00 U	0.56 J	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.40	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.21	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.05	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.61	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.48	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.77	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.55	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.78	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.11	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.00 U

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	0.23 U	0.21 U	3.45	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	1.00 U	1.00 U	0.27 U	0.21 U	1.00	0.24 U
9/01	0.23 U	0.21 U	3.21	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	1.00 U	2.91	0.27 U	0.21 U	1.23	0.24 U
3/02	0.23 U	0.21 U	2.78	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	1.00 U	1.00 U	0.27 U	0.21 U	1.52	0.24 U
9/02	0.23 U	0.21 U	1.33	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	1.00 U	0.24 U
6/03	0.23 U	0.21 U	2.87	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	1.00 U	1.00 U	0.27 U	0.21 U	1.81	0.24 U
10/03	0.23 U	0.21 U	3.03	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	1.00 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	0.21 U	2.59	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	1.00 U	1.00 U	0.27 U	0.21 U	1.00 U	0.24 U
9/04	0.27 U	0.25 U	2.01	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	1.00 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
9/05	0.27 U	0.25 U	2.17	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	2.77	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	1.00 U	1.00 U	0.18 U	0.25 U	1.11	0.32 U
4/07	0.27 U	0.25 U	1.65	0.29 U	0.27 U	1.00 U	2.00 U	1.00 U	--	0.25 U	1.00 U	1.00 U	0.25 U	1.15	0.32 U
10/07	0.27 U	0.25 U	2.92	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	1.00 U	1.00 U	0.18 U	0.25 U	1.00 U	0.32 U
3/08	0.21 U	0.15 U	2.31	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.50 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.20 U	2.39	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.50 U	0.11 U	0.11 U	0.70	0.12 U
3/09	0.12 U	0.20 U	2.55	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.50 U	0.11 U	0.11 U	0.90	0.12 U
9/09	1.00 U	1.00 U	2.12	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	1.00 U	1.00 U	0.40 J	1.00 U	1.00 U	0.60 J	1.00 U
7/10	1.00 U	1.00 U	2.00	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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB06 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	0.91 J	1.64 J	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	--	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.65	1.00 U	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	1.16	1.00 U
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.39	1.00 U	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
9/14	1.00 U	1.00 U	1.28	1.00 U	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
3/15	1.00 U	1.00 U	1.21	1.00 U	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
9/15	1.00 U	1.00 U	1.21	1.00 U	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
3/16	1.00 U	1.00 U	1.34	1.00 U	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
8/16	1.00 U	1.00 U	1.12	1.00 U	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
3/17	1.00 U	1.00 U	1.26	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
7/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB06 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/01	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
10/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.17	0.27 U
3/04	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.09	0.27 U
9/04	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	1.00 U
10/07	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.50 U	0.07 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	0.11 U
3/09	0.14 U	0.13 U	--	0.53	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	0.46 J	1.00 U	--	1.00 U	1.00 U
7/10	1.00 U	1.00 U	5.00 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

Printed 6/22/21

Monitoring Location OB06 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.37	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 OB07 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	76.9260	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	75.2252	0.005	--	--	--	--	--	--	--	--	--
3/02	--	--	--	84.9507	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	79.5643	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	102.3990	0.002 U	--	--	--	--	--	--	--	--	0.010 U
10/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.001 U
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010
9/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.027
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.011
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.069
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	163.0	0.20 U	7.0 J	150.0000	--	--	331.0	0.5482	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07 - General Parameters

Printed 6/22/21

	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)
9/10	184.0	0.20 U	10.0 U	171.0000	--	--	360.0	0.6580	0.71	0.05 U	--	--	--	--
4/11	175.0	0.20 U	14.0	193.0000 J	--	--	407.0	0.8610	0.91	0.05 U	--	--	--	--
9/11	169.0	0.20 U	5.2	194.0000	--	--	409.0	0.8190	0.87	0.05 U	--	--	--	--
3/12	176.0	0.20 U	11.7	199.0000	--	--	412.0	0.8232	0.88	0.05	--	--	--	--
9/12	172.0	0.20 U	10.0 U	202.0000	--	--	410.0	0.8309	0.89	0.06	--	--	--	--
3/13	178.0	0.20 U	11.2	222.0000	--	0.02	434.0	0.8996	0.96	0.06	379.0	6.74	--	--
9/13	181.0	0.20 U	10.0 U	223.0000	--	0.03	452.0	0.9600	1.01	0.05 U	353.0	6.41	--	--
3/14	191.0	0.20 U	14.3	226.0000	--	0.62	494.0	0.9667	--	--	461.0	6.58	--	--
9/14	196.0	0.20 U	15.9	243.0000	--	1.34	508.0	1.0000	1.05	0.05 U	356.0	6.65	--	--
3/15	184.0	0.20 U	11.3	206.0000	--	0.00	450.0	0.8460	0.90	0.05 U	374.0	6.63	--	--
9/15	200.0	0.20 U	13.8	235.0000	--	--	488.0	0.9093	0.97	0.06	287.0	6.64	--	--
3/16	198.0	0.20 U	10.0 U	236.0000	--	0.00	464.0	0.8753	0.95	0.07	339.0	6.86	--	--
8/16	204.0	0.20 U	12.0	224.0000	--	--	476.0	0.7904	0.84	0.05	403.0	6.47	--	--
3/17	187.0	0.20 U	12.9	214.0000	--	--	440.0	0.7320	0.78	0.05 U	354.0	6.59	--	--
9/17	200.0	0.20 U	13.8	209.0000	--	--	492.0	0.7540	0.81	0.05	450.0	6.62	--	--
4/18	188.0	0.20 U	19.6	213.0000	--	--	464.0	0.7530	0.80	0.05 U	264.0	6.65	--	--
9/18	212.0	0.20 U	17.7	250.0000	--	--	361.0	0.8500	0.91	0.06	195.0	6.67	--	--
4/19	221.0	0.10 U	21.1	230.0000	--	0.05	527.0 B	0.2000 U	--	--	145.0	6.62	6.73	--
7/19	214.0	0.10 U	31.8	229.0000	--	0.25	525.0 B	1.4000	--	--	199.9	6.44	6.59	--
3/20	220.0	0.12	3.0 U	242.0000	--	0.90	491.0	1.6100	--	--	180.7	6.42	6.68	--
7/20	195.0	0.10 U	23.5	232.0000	--	1.10	492.0	0.6100	--	--	126.8	6.86	6.64	--
3/21	226.0	0.10 U	11.1	238.0000	--	0.07	475.0	0.7410	--	--	176.4	6.52	6.67	--

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										
4/01	--	--	--	--	--	--	--	--	0.900	--
9/01	--	--	--	--	--	--	--	--	1.100	--
3/02	--	--	--	--	--	--	--	--	0.400	--
9/02	--	--	--	--	--	--	--	--	3.400	--
6/03	--	--	--	--	--	--	0 U	--	3.500	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	13.40	--	--	644.0	--	--	0.283	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

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)
9/10	--	--	19.20	--	--	1068.0	--	--	40.700	--
4/11	--	--	20.40 J	--	--	800.0	--	--	0.939	--
9/11	--	--	21.00	--	--	984.0	--	--	--	--
3/12	--	--	20.20	--	--	708.0	--	--	--	--
9/12	--	--	23.00	--	--	828.0	--	--	--	--
3/13	1.1	--	24.10	--	12.4	666.0	--	--	--	42.50
9/13	992.5	--	24.60	--	13.8	724.0	--	--	--	0.00
3/14	1025.0	--	27.90	--	12.4	624.0	--	--	--	1.23
9/14	1057.0	--	32.50	--	13.6	824.0	--	--	--	0.30
3/15	874.0	--	26.90	--	14.4	636.0	--	--	--	24.10
9/15	1048.0	--	29.50	--	13.8	625.0	--	--	--	5.00
3/16	1018.0	--	28.80	--	12.6	791.0	--	--	--	14.10
8/16	1031.0	--	30.20	--	16.0	807.0	--	--	--	19.80
3/17	950.0	--	29.10	--	14.3	527.0	--	--	--	27.10
9/17	981.6	--	32.80	--	13.2	742.0	--	--	--	15.70
4/18	923.0	--	29.20	--	13.3	605.0	--	--	--	20.30
9/18	1135.0	--	31.70	--	14.2	728.0	--	--	--	10.90
4/19	1420.0	1190.0	41.40	--	13.1	923.0	--	2.6 U	1.420	2.30
7/19	1009.0	1200.0	47.00	--	13.6	1020.0	--	5.7	1.140	0.00
3/20	1036.0	1180.0	46.20	--	12.7	849.0	--	6.2	5.140	0.90
7/20	994.0	1220.0	38.70	--	15.9	709.0	--	11.6	5.090	6.90
3/21	997.0	1260.0	45.70	--	12.1	678.0	--	26.7	7.570	3.10

Gude Landfill
Monitoring Location OB07 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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
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		
4/11	0.01 U	3.3	0.008	0.01 U	19.4	0.005 U	0.01 U	0.005 U
9/11	0.01 U	--	--	--	--	--	--	--
3/12	0.01 U	3.1	0.006	0.01 U	26.1	0.005 U	0.01 U	0.005 U
9/12	0.01 U	3.5	0.008	0.01 U	20.7	0.005 U	0.01 U	0.005 U
3/13	0.01 U	4.5	0.008	0.01 U	22.7	0.005 U	0.01 U	0.005 U
9/13	0.01	3.2	0.008	0.01 U	20.6	0.005 U	0.01 U	0.005 U
3/14	0.01 U	3.4	0.007	0.01 U	22.3	0.005 U	0.01 U	0.005 U
9/14	0.01 U	3.5	0.010	0.01 U	22.8	0.005 U	0.01 U	0.008
3/15	0.01 U	3.5	0.010 J	0.01 U	21.0	0.002 U	0.01 U	0.010 U
9/15	0.01 U	3.8	0.008	0.00 U	22.0	0.001 U	0.01 U	0.005 U
3/16	0.00	3.2	0.007	0.00 U	21.7	0.001 U	0.00 U	0.002 U
8/16	0.00	3.4	0.009	0.00 U	23.0	0.001 U	0.00 U	0.002 U
3/17	0.00	3.2	0.012	0.00 U	22.7	0.001 U	0.00	0.003
9/17	0.00 U	3.3	0.006	0.00 U	21.9	0.001 U	0.00 U	0.002
4/18	0.00	3.2	0.009	0.00 U	21.7	0.001 U	0.00 U	0.002
9/18	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 6/22/21

	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
4/01	0.0020 U	0.0005 U	0.0404	0.0005 U	--	0.0037	--	0.0039	0.0007 U	0.0100 U	--	0.00130 U
9/01	0.0020 U	0.0007 U	0.0485	0.0017 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0086	--	0.00200 U
3/02	0.0005 U	0.0020 U	0.0471	0.0017 U	--	0.0006 U	--	0.0039	0.0004 U	0.0067	--	0.00200 U
9/02	0.0007 U	0.0024	0.0588	0.0004 U	--	0.0020 U	--	0.0049	0.0020 U	0.0073	--	0.00200 U
6/03	0.0020 U	0.0020 U	0.0561	0.0004 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0087	--	0.00200 U
10/03	0.0009 U	0.0008 U	0.0507	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.00040 U
3/04	0.0009 U	0.0008 U	0.0598	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0815	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0108	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0658	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.00060 U
9/05	0.0028 U	0.0006 U	0.0831	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0129	--	0.00200 U
4/06	0.0006 U	0.0020 U	0.0938	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0050	--	0.00200 U
9/06	0.0007 U	0.0008 U	0.0172	0.0009 U	--	0.0006 U	--	0.0007 U	0.0005 U	0.0057	--	0.00200 U
4/07	0.0007 U	0.0020 U	0.0928	0.0009 U	0.020 U	--	--	0.0007 U	0.0005 U	0.0053	--	0.00070 U
10/07	0.0020 U	0.0020 U	0.0903	0.0009 U	0.020 U	--	--	0.0034	0.0020 U	0.0137	--	0.00310
3/08	0.0005 U	0.0006 U	0.0511	0.0010 U	0.020 U	--	--	0.0008 U	0.0012 U	0.0033	--	0.00100 U
9/08	0.0010 U	0.0012 U	0.0406	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0080	--	0.00400 U
3/09	0.0010 U	0.0010 U	0.0252	0.0012 U	0.050 U	--	--	0.0007 U	0.0007 U	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0020 U	0.0250	0.0020 U	--	0.0020 U	99.50	0.0020 U	0.0020 U	0.0062	0.2620	0.00200 U
7/10	0.0010 U	0.0005 J	0.0190	0.0010 U	--	0.0010 U	--	0.0010	0.0010 U	0.0024	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0333	0.0050 U	--	0.0050 U	102.00	0.0050 U	0.0050 U	0.0132	2.1400	0.00500 U
4/11	0.0050 U	0.0050 U	0.0256	0.0050 U	--	0.0050 U	114.00 J	0.0050 U	0.0050 U	0.0050 U	1.0800	0.00500 U

Gude Landfill
Monitoring Location OB07 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.0257	0.0050 U	--	0.0050 U	112.50	0.0050 U	0.0050 U	0.0050 U	0.6590	0.00500 U
3/12	0.0050 U	0.0050 U	0.0261	0.0050 U	--	0.0050 U	108.00	0.0050 U	0.0050 U	0.0091	0.9570	0.00500 U
9/12	0.0050 U	0.0050 U	0.0265	0.0050 U	--	0.0050 U	113.00	0.0050 U	0.0050 U	0.0056	0.8370	0.00500 U
3/13	0.0050 U	0.0050 U	0.0338	0.0050 U	--	0.0050 U	115.00	0.0050 U	0.0050 U	0.0135	1.7800	0.00500 U
9/13	0.0050 U	0.0050 U	0.0287	0.0050 U	--	0.0050 U	123.00	0.0050 U	0.0050 U	0.0050 U	0.5640	0.00500 U
3/14	0.0050 U	0.0050 U	0.0290	0.0050 U	--	0.0050 U	127.00	0.0050 U	0.0050 U	0.0050 U	0.6990	0.00500 U
9/14	0.0050 U	0.0050 U	0.0325	0.0050 U	--	0.0050 U	124.00	0.0050 U	0.0050 U	0.0050 U	0.7420	0.00500 U
3/15	0.0020 U	0.0021	0.0380	0.0020 U	--	0.0040 U	130.00	0.0100 U	0.0100 U	0.0052 J	0.7800	0.00130 J
9/15	0.0010 U	0.0029	0.0240	0.0010 U	--	0.0005 U	130.00	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00100 U
3/16	0.0020 U	0.0020 U	0.0285	0.0020 U	--	0.0020 U	131.00	0.0020 U	0.0020 U	0.0025	0.9240	0.00200 U
8/16	0.0020 U	0.0020 U	0.0288	0.0020 U	--	0.0020 U	128.00	0.0020 U	0.0020 U	0.0028	1.0900	0.00200 U
3/17	0.0050 U	0.0050 U	0.0427	0.0050 U	--	0.0050 U	125.00	0.0050 U	0.0050 U	0.0050 U	1.2500	0.00500 U
9/17	0.0050 U	0.0050 U	0.0360	0.0050 U	--	0.0050 U	131.00	0.0050 U	0.0050 U	0.0059	0.9400	0.00500 U
4/18	0.0050 U	0.0050 U	0.0404	0.0050 U	--	0.0050 U	126.00	0.0050 U	0.0050 U	0.0050 U	0.6660	0.00500 U
9/18	0.0050 U	0.0050 U	0.0306	0.0050 U	--	0.0050 U	73.40	0.0050 U	0.0050 U	0.0050 U	0.3060	0.00500 U
4/19	0.0010 U	0.0010 U	0.0366	0.0010 U	--	0.0010 U	127.00	0.0010 U	0.0010 U	0.0023	0.1000 U	0.00100 U
7/19	0.0010 U	0.0010 U	0.0472	0.0010 U	--	0.0010 U	133.00 B	0.0020	0.0010 U	0.0066	0.1000 U	0.00100 U
3/20	0.0010 U	0.0010 U	0.0382	0.0010 U	--	0.0010 U	130.00	0.0018	0.0010 U	0.0018	0.2460	0.00100 U
7/20	0.0010 U	0.0010 U	0.0898	0.0010 U	--	0.0010 U	124.00	0.0043	0.0010 U	0.0109	0.3000	0.00100 U
3/21	0.0010 U	0.0010 U	0.0448	0.0010 U	--	0.0010 U	118.00	0.0014	0.0010 U	0.0054	0.4440	0.00100 U

Gude Landfill
Monitoring Location OB07 - Total Metals

Printed 6/22/21

	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			
4/01	--	0.01700	0.000200 U	0.0020 U	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00200 U	--
9/01	--	0.00660	0.000100 U	0.0030 U	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
3/02	--	0.00460	0.000100 U	0.0030 U	--	0.00320	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
9/02	--	0.03440	0.000100 U	0.0031	--	0.00890	0.0096 U	--	0.0010 U	0.0020 U	0.00030 U	--
6/03	--	0.00850	0.000200 U	0.0020 U	--	0.00250	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U	--
10/03	--	0.01000 U	0.000200 U	0.0020 U	--	0.00200 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U	--
3/04	--	0.01000 U	0.000200 U	0.0020 U	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00200 U	--
9/04	--	0.00430	0.000100 U	0.0020 U	--	0.00200 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U	--
4/05	--	0.00380	0.000100 U	0.0009 U	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
9/05	--	0.02320	0.000100 U	0.0020 U	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
4/06	--	0.07720	0.000100 U	0.0022	--	0.00420	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	0.04790	0.000300	0.0020 U	--	0.00200 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000200 U	0.0024	--	0.00290	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.00750
10/07	--	--	0.000200 U	0.0056	--	0.00540	0.0005 U	--	0.0007 U	0.0020 U	0.00200 U	0.02300
3/08	--	--	0.000200 U	0.0022	--	0.00280	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U	0.01000 U
9/08	--	--	0.000200 U	0.0040 U	--	0.00400 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02000 U
3/09	--	--	0.000200 U	0.0100 U	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U	0.01000 U
9/09	26.100	0.03170	0.000200 U	0.0047	3.070	0.00440	0.0020 U	21.40	0.0020 U	--	0.00050 J	0.01000 U
7/10	--	--	0.000700	0.0008 J	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01300
9/10	28.500	0.22100	0.000280	0.0050 U	3.130	0.00580	0.0050 U	21.90	0.0050 U	--	0.00500 U	0.01120
4/11	35.200 J	0.03380	0.000490	0.0050 U	3.240	0.00710	0.0050 U	21.30 J	0.0050 U	--	0.00500 U	0.00500 U

Gude Landfill
Monitoring Location OB07 - Total Metals

Printed 6/22/21

	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	34.800	0.03690	0.000310	--	3.420	0.00658	0.0050 U	20.80	0.0050 U	--	0.00500 U	0.00576
3/12	33.600	0.11300	0.000290	0.0050 U	3.400	0.00506	0.0050 U	24.50	0.0050 U	--	0.00500 U	0.00575
9/12	33.300	0.07240	0.000534	0.0050 U	3.540	0.00714	0.0050 U	19.50	0.0050 U	--	0.00500 U	0.00624
3/13	33.900	0.08270	0.000382	0.0050 U	4.660	0.00865	0.0050 U	22.90	0.0050 U	--	0.00500 U	0.00752
9/13	37.700	0.04150	0.000387	0.0069	3.470	0.00640	0.0050 U	20.80	0.0050 U	--	0.00500 U	0.00539
3/14	40.300	0.03940	0.000510	0.0050 U	3.300	0.00629	0.0050 U	22.10	0.0050 U	--	0.00500 U	0.00500 U
9/14	39.900	0.03900	0.000480	0.0050 U	3.450	0.00837	0.0050 U	22.60	0.0050 U	--	0.00500 U	0.00858
3/15	36.000	0.15000	0.000290	0.0054 J	3.700	0.00850 J	0.0100 U	21.00	0.0020 U	--	0.01000 U	0.00870 J
9/15	38.000	0.05700	0.000360	0.0100 U	3.800	0.01200	0.0010 U	22.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	39.600	0.07700	0.000219	0.0020	3.240	0.00744	0.0001 U	22.20	0.0010 U	--	0.00200 U	0.00200 U
8/16	38.800	0.10100	0.000233	0.0023	3.270	0.00761	0.0020 U	21.90	0.0010 U	--	0.00200 U	0.00224
3/17	38.700	0.12600	0.000200 U	0.0059	3.220	0.01310	0.0050 U	22.00	0.0050 U	--	0.00500 U	0.00503
9/17	39.500	0.12700	0.000200 U	0.0050 U	3.330	0.00511	0.0050 U	22.40	0.0050 U	--	0.00500 U	0.03240
4/18	36.200	0.11400	0.000240	0.0050 U	3.390	0.00802	0.0050 U	20.70	0.0050 U	--	0.00500 U	0.01880
9/18	43.300	0.07220	0.000262	0.0067	3.530	0.01770	0.0050 U	22.90	0.0050 U	--	0.00500 U	0.00500 U
4/19	50.800	0.15400	0.000100 U	0.0012	4.770	0.00100 U	0.0010 U	26.50	0.0010 U	--	0.00100 U	0.00400 U
7/19	47.000	0.13500	0.000111	0.0017	4.620	0.00100 U	0.0010 U	25.70 B	0.0010 U	--	0.00100 U	0.00437
3/20	46.800	0.10100	0.000239	0.0018	3.670	0.00100 U	0.0010 U	24.80	0.0010 U	--	0.00104	0.00400 U
7/20	44.000	0.18300	0.000157	0.0043	6.060	0.00100 U	0.0010 U	28.00	0.0010 U	--	0.00100 U	0.00937
3/21	43.700	0.13400	0.000426	0.0010	5.740	0.00100 U	0.0010 U	26.40	0.0010 U	--	0.00153	0.01050

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	1.00 U	1.00 U	1.00 U	0.22 U	0.19 U	1.00 U	1.00 U	1.00 U	3.05	1.00 U	10.00 U	0.17 U	0.21 U	1.00 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	1.00 U	0.17 U	0.21 U	0.19 U	1.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.50 U	0.16 U	10.00 U	0.18 U	0.17 U	0.20 U	0.23 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	0.51 J
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 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 OB07 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	5.30	1.00 U
3/12	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	1.00 U	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/01	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	1.00 U	--	1.00 U	--	1.00 U	0.20 U	0.18 U	1.00 U	1.00 U	0.38 U	1.00 U	1.00 U	0.20 U
10/03	0.11 U	0.09	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/04	0.11 U	4.21	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	2.13	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	4.62	0.25 U	0.40 U	0.31 U
4/05	0.23 U	3.62	1.00 U	--	1.00 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	2.33	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	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	2.50 U	1.00 U	1.00 U	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	7.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.60	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB07 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	1.67
9/01	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.52	0.27 U	0.21 U	1.00 U	1.42
3/02	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	1.54	2.09
9/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	1.11
6/03	0.23 U	0.21 U	1.00 U	0.19 U	1.00 U	0.26 U	1.74	0.17 U	--	0.22 U	0.21 U	1.00 U	1.00 U	2.28	2.62
10/03	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	1.00 U
3/04	0.23 U	1.00 U	1.00 U	0.19 U	0.17 U	0.26 U	1.00 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	1.43
9/04	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	1.88
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	1.14
9/05	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	1.81	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.68	0.32 U
4/07	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
10/07	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
3/08	0.21 U	0.15 U	0.81	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.60	0.28 U
9/08	0.12 U	0.20 U	1.35	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	1.01	0.12 U
3/09	0.12 U	0.20 U	1.45	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	1.30	0.12 U
9/09	1.00 U	1.00 U	1.63	1.00 U	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	0.99 U	1.00 U
7/10	1.00 U	1.00 U	2.00	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	1.00 U

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Monitoring Location OB07 - Volatile Organic Compounds

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	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	1.38 J	1.48 J	2.00 U	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	1.61 J	2.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	23.00	1.00 U
3/12	1.00 U	1.00 U	1.70	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.70	1.00 U	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	1.52	1.00 U
9/13	1.00 U	1.00 U	1.66	1.00 U	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
3/14	1.00 U	1.00 U	1.70	1.00 U	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	1.19	1.00 U
9/14	1.00 U	1.00 U	1.67	1.00 U	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	1.20	1.00 U
3/15	1.00 U	1.00 U	1.53	1.00 U	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
9/15	1.00 U	1.00 U	1.64	1.00 U	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	1.14	1.00 U
3/16	1.00 U	1.00 U	1.83	1.00 U	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	1.07	1.00 U
8/16	1.00 U	1.00 U	1.50	1.00 U	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
3/17	1.00 U	1.00 U	1.59	1.00 U	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
9/17	1.00 U	1.00 U	1.34	1.00 U	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
4/18	1.00 U	1.00 U	1.28	1.00 U	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
9/18	1.00 U	1.00 U	1.57	1.00 U	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
4/19	1.00 U	1.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	2.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U
3/20	1.00 U	1.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/01	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	1.74
10/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.06	0.27 U
3/04	1.00 U	0.13 U	1.00 U	1.00 U	1.00 U	--	0.22	0.27 U
9/04	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	0.11 U
3/09	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	0.53 J	1.00 U	--	1.00 U	1.00 U
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB07 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	0.72 J	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	23.00	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 OB07A - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	94.1521	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	87.0069	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	96.7173	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	89.1421	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	102.9520	0.002 U	--	--	--	--	--	--	--	--	0.016
10/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.043
4/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.003 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.041
4/06	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.024
9/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.038
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.048
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.049
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	124.0	0.20 U	17.8	235.0000	--	--	420.0	0.8907	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07A - General Parameters

Printed 6/22/21

	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)
9/10	115.0	0.20 U	9.7 J	205.0000	--	--	350.0	0.9000	0.90	0.05 U	--	--	--	--
4/11	112.0	0.20 U	16.5	216.0000	--	--	390.0	0.9020	0.95	0.05 U	--	--	--	--
9/11	115.0	0.20 U	10.0	246.0000	--	--	424.0	0.8910	0.94	0.05 U	--	--	--	--
3/12	122.0	0.20 U	16.9	244.0000	--	--	408.0	0.9700	1.02	0.05 U	--	--	--	--
9/12	119.0	0.20 U	15.0	265.0000	--	--	436.0	0.9700	1.02	0.05 U	--	--	--	--
3/13	112.0	0.20 U	17.3	255.0000	--	0.05	420.0	1.0000	1.05	0.05 U	418.0	6.05	--	--
9/13	120.0	0.20 U	12.8	268.0000	--	0.05	448.0	1.0000	1.05	0.05 U	352.0	5.70	--	--
3/14	118.0	0.20 U	18.2	260.0000	--	0.06	450.0	0.9700	--	--	439.0	5.94	--	--
9/14	114.0	0.20 U	21.3	240.0000	--	1.82	416.0	0.9420	0.99	0.05 U	355.0	6.05	--	--
3/15	119.0	0.20 U	16.6	254.0000	--	0.00	434.0	1.0100	1.06	0.05 U	361.0	6.34	--	--
9/15	120.0	0.20 U	20.2	272.0000	--	0.61	436.0	1.0300	1.08	0.05 U	315.0	5.77	--	--
3/16	70.0	0.20 U	10.0 U	136.0000	--	2.55	252.0	0.3640	0.37	0.05 U	363.0	6.04	--	--
8/16	77.0	0.20 U	10.0 U	132.0000	--	1.66	226.0	0.3430	0.35	0.05 U	377.0	5.95	--	--
3/17	153.0	0.20 U	20.3	298.0000	--	--	240.0	0.9337	0.99	0.06	412.0	5.81	--	--
9/17	139.0	0.20 U	17.8	282.0000	--	0.43	532.0	0.9620	1.02	0.06	423.0	5.95	--	--
4/18	101.0	0.20 U	14.7	205.0000	--	--	350.0	0.5700	0.62	0.05 U	227.0	5.88	--	--
9/18	74.5	0.20 U	10.5	151.0000	--	--	253.0	0.4350	0.45	0.05 U	224.0	5.77	--	--
4/19	122.0	0.10 U	25.2	239.0000	--	1.67	411.0 B	0.2000 U	--	--	180.4	5.69	5.98	--
7/19	110.0	0.10 U	20.6	210.0000	--	1.33	318.0 B	1.5000	--	--	199.9	5.71	5.99	--
3/20	98.2	0.10 U	18.3	189.0000	--	2.60	407.0	1.4700	--	--	223.0	5.85	6.15	--
7/20	68.0	0.10 U	15.5	142.0000	--	1.56	226.0	0.5300	--	--	216.4	5.75	5.90	--
3/21	83.0	0.10 U	6.2	150.0000	--	1.90	229.0	0.5580	--	--	229.1	5.88	6.11	--

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										
4/01	--	--	--	--	--	--	--	--	0.300	--
9/01	--	--	--	--	--	--	--	--	0.950	--
3/02	--	--	--	--	--	--	--	--	1.280	--
9/02	--	--	--	--	--	--	--	--	2.400	--
6/03	--	--	--	--	--	--	0	--	5.200	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	22.40	--	--	784.0	--	--	0.317	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

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)
9/10	--	--	21.60	--	--	1176.0	--	--	1.550	--
4/11	--	--	22.60 J	--	--	796.0	--	--	0.579	--
9/11	--	--	28.00	--	--	872.0	--	--	--	--
3/12	--	--	24.30	--	--	748.0	--	--	--	--
9/12	--	--	24.60	--	--	856.0	--	--	--	--
3/13	1.2	--	27.50	--	12.3	718.0	--	--	--	0.00
9/13	1016.0	--	31.00	--	14.4	774.0	--	--	--	0.75
3/14	996.9	--	30.60	--	12.1	590.0	--	--	--	0.99
9/14	909.0	--	28.40	--	14.2	752.0	--	--	--	0.00
3/15	856.8	--	29.70	--	15.2	606.0	--	--	--	0.00
9/15	1014.0	--	35.50	--	13.6	583.0	--	--	--	0.00
3/16	515.1	--	5.65	--	10.4	422.0	--	--	--	2.50
8/16	546.0	--	5.18	--	21.8	428.0	--	--	--	0.00
3/17	1129.0	--	42.40	--	12.8	624.0	--	--	--	0.00
9/17	1255.0	--	48.00	--	13.6	837.0	--	--	--	0.90
4/18	626.2	--	20.70	--	12.6	464.0	--	--	--	2.10
9/18	625.0	--	5.90	--	20.9	377.0	--	--	--	0.00
4/19	542.0	1050.0	40.70	--	12.8	771.0	--	2.6 U	1.090	2.30
7/19	526.0	938.0	31.50	--	13.5	775.0	--	2.3 U	0.645	0.00
3/20	557.0	817.0	20.90	--	12.6	539.0	--	2.5 U	0.500 U	0.00
7/20	574.0	643.0	7.13	--	18.5	407.0	--	6.9	2.010	2.70
3/21	564.0	675.0	8.20	--	12.7	356.0	--	2.2 J	0.607	0.76

Gude Landfill
Monitoring Location OB07A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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

Printed 6/22/21

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		
4/11	0.01 U	2.4	0.009	0.01 U	21.9	0.005 U	0.01 U	0.005 U
9/11	0.01 U	--	--	--	--	--	--	--
3/12	0.01 U	2.4	0.007	0.01 U	31.4	0.005 U	0.01 U	0.005 U
9/12	0.01	2.7	0.011	0.01 U	25.9	0.005 U	0.01 U	0.005 U
3/13	0.01 U	3.3	0.010	0.01 U	28.1	0.005 U	0.01 U	0.005 U
9/13	0.01	2.4	0.010	0.01 U	25.2	0.005 U	0.01 U	0.005 U
3/14	0.01 U	2.5	0.008	0.01 U	29.1	0.005 U	0.01 U	0.005 U
9/14	0.01 U	2.2	0.010	0.01 U	25.3	0.005 U	0.01 U	0.008
3/15	0.01 J	2.3	0.011 J	0.01 U	24.0	0.002 U	0.01 U	0.010 U
9/15	0.00 J	2.5	0.009	0.00 U	27.0	0.001 U	0.01 U	--
3/16	0.01	2.7	0.005	0.00 U	17.3	0.001 U	0.00 U	0.004
8/16	0.01	3.0	0.006	0.00 U	16.3	0.001 U	0.00 U	0.005
3/17	0.01	2.4	0.017	0.00 U	30.4	0.001 U	0.00	0.003
9/17	0.00	2.5	0.008	0.00 U	29.6	0.001 U	0.00 U	0.002 U
4/18	0.01	2.6	0.014	0.00 U	26.9	0.001 U	0.00 U	0.009
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.0340	0.0005 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0183	--	0.00200 U
9/01	0.0020 U	0.0007 U	0.0482	0.0017 U	--	0.0020 U	--	0.0020 U	0.0029	0.0149	--	0.00240
3/02	0.0005 U	0.0020 U	0.0415	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0099	--	0.00200 U
9/02	0.0007 U	0.0036	0.0377	0.0004 U	--	0.0020 U	--	0.0074	0.0041	0.0152	--	0.00200 U
6/03	0.0007 U	0.0020 U	0.0438	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0086	--	0.00200 U
10/03	0.0009 U	0.0008 U	0.0469	0.0016 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.0439	0.0016 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0248	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0153	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0529	0.0012 U	--	0.0003 U	--	0.0020 U	0.0005 U	0.0138	--	0.00060 U
9/05	0.0028 U	0.0006 U	0.0270	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0129	--	0.00200 U
4/06	0.0006 U	0.0020 U	0.0616	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0114	--	0.00270
9/06	0.0007 U	0.0008 U	0.0265	0.0009 U	--	0.0006 U	--	0.0007 U	0.0005 U	0.0051	--	0.00070 U
4/07	0.0007 U	0.0008 U	0.0313	0.0009 U	0.020 U	--	--	0.0007 U	0.0005 U	0.0055	--	0.00070 U
10/07	0.0020 U	0.0020 U	0.0506	0.0009 U	0.020 U	--	--	0.0020 U	0.0025	0.0113	--	0.00200 U
3/08	0.0005 U	0.0020 U	0.0643	0.0010 U	0.020 U	--	--	0.0020 U	0.0027	0.0092	--	0.00100 U
9/08	0.0010 U	0.0012 U	0.0864	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0116	--	0.00400 U
3/09	0.0010 U	0.0010 U	0.0419	0.0024 U	0.050 U	--	--	0.0013 U	0.0014 U	0.0200 U	--	0.00070 U
9/09	0.0020 U	0.0020 U	0.0431	0.0020 U	--	0.0020 U	91.80	0.0020 U	0.0005 J	0.0058	0.2390	0.00200 U
7/10	0.0010 U	0.0010 U	0.0310	0.0010 U	--	0.0010 U	--	0.0010	0.0015	0.0029	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0370	0.0050 U	--	0.0050 U	72.00	0.0050 U	0.0050 U	0.0078	0.5000	0.00500 U
4/11	0.0050 U	0.0050 U	0.0401	0.0050 U	--	0.0050 U	86.50	0.0050 U	0.0050 U	0.0050 U	0.8190	0.00500 U

Gude Landfill
Monitoring Location OB07A - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.0432	0.0050 U	--	0.0050 U	90.00	0.0050 U	0.0050 U	0.0050 U	0.5380	0.00500 U
3/12	0.0050 U	0.0050 U	0.0405	0.0050 U	--	0.0050 U	82.90	0.0050 U	0.0050 U	0.0059	0.4580	0.00500 U
9/12	0.0050 U	0.0050 U	0.0485	0.0050 U	--	0.0050 U	94.30	0.0050 U	0.0050 U	0.0050 U	0.5760	0.00500 U
3/13	0.0050 U	0.0050 U	0.0450	0.0050 U	--	0.0050 U	87.30	0.0050 U	0.0050 U	0.0116	0.6150	0.00500 U
9/13	0.0050 U	0.0050 U	0.0455	0.0050 U	--	0.0050 U	93.60	0.0050 U	0.0050 U	0.0055	0.4300	0.00500 U
3/14	0.0050 U	0.0050 U	0.0458	0.0050 U	--	0.0050 U	93.50	0.0050 U	0.0050 U	0.0050 U	0.5330	0.00500 U
9/14	0.0050 U	0.0050 U	0.0463	0.0050 U	--	0.0050 U	80.20	0.0050 U	0.0050 U	0.0050 U	0.5200	0.00500 U
3/15	0.0020 U	0.0028	0.0430	0.0020 U	--	0.0040 U	87.00	0.0033 J	0.0100 U	0.0020 J	0.0050 U	0.00200 U
9/15	0.0010 U	0.0036	0.0390	0.0010 U	--	0.0005 U	92.00	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00100 U
3/16	0.0020 U	0.0020 U	0.0401	0.0020 U	--	0.0020 U	50.10	0.0020 U	0.0020 U	0.0020 U	0.2840	0.00200 U
8/16	0.0020 U	0.0020 U	0.0410	0.0020 U	--	0.0020 U	49.00	0.0020 U	0.0020 U	0.0020 U	0.4090	0.00200 U
3/17	0.0020 U	0.0028	0.0523	0.0020 U	--	0.0020 U	109.00	0.0028	0.0020 U	0.0028	0.6310	0.00200 U
9/17	0.0020 U	0.0020 U	0.0535	0.0020 U	--	0.0020 U	114.00	0.0020 U	0.0020 U	0.0020 J	0.5900	0.00200 U
4/18	0.0020 U	0.0034	0.0543	0.0020 U	--	0.0020 U	77.50	0.0046	0.0020 U	0.0093	0.1410	0.00200 U
9/18	0.0020 U	0.0020 U	0.0460	0.0020 U	--	0.0020 U	60.30	0.0021	0.0020 U	0.0020 U	0.0645	0.00200 U
4/19	0.0010 U	0.0010 U	0.0438	0.0010 U	--	0.0010 U	73.20	0.0010 U	0.0010 U	0.0026	0.1000 U	0.00100 U
7/19	0.0010 U	0.0010 U	0.0410	0.0010 U	--	0.0010 U	63.70 B	0.0015	0.0011	0.0037	0.1000 U	0.00100 U
3/20	0.0010 U	0.0010 U	0.0464	0.0010 U	--	0.0010 U	78.60	0.0010 U	0.0011	0.0010 U	0.0274 J	0.00100 U
7/20	0.0010 U	0.0010 U	0.0445	0.0010 U	--	0.0010 U	47.90	0.0021	0.0091	0.0065	0.1140	0.00100 U
3/21	0.0010 U	0.0010 U	0.0462	0.0010 U	--	0.0010 U	50.60	0.0010 U	0.0029	0.0041	0.0234 J	0.00100 U

Gude Landfill
Monitoring Location OB07A - Total Metals

Printed 6/22/21

	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			
4/01	--	0.31700	0.001700	0.0056	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U	--
9/01	--	0.81540	0.002300	0.0116	--	0.00220	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
3/02	--	0.27520	0.001100	0.0100 U	--	0.00340	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
9/02	--	1.07600	0.002500	0.0136	--	0.01030	0.0096 U	--	0.0010 U	0.0020 U	0.00030 U	--
6/03	--	0.16990	0.000600	0.0068	--	0.00240	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U	--
10/03	--	0.09040	0.000300	0.0043	--	0.00200 U	0.0022 U	--	0.0004 U	0.0003 U	0.00040 U	--
3/04	--	0.30460	0.000400	0.0047	--	0.00200 U	0.0022 U	--	0.0004 U	0.0020 U	0.00200 U	--
9/04	--	0.04370	0.000300	0.0024	--	0.00220	0.0018 U	--	0.0006 U	0.0003 U	0.00040 U	--
4/05	--	0.02370	0.000300	0.0025	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U	--
9/05	--	0.20410	0.000500	0.0037	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
4/06	--	0.11680	0.000200	0.0044	--	0.00420	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	0.06920	0.000900	0.0023	--	0.00200	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000700	0.0039	--	0.00340	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.00650
10/07	--	--	0.000500	0.0059	--	0.00440	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U	0.00860
3/08	--	--	0.000500	0.0043	--	0.00320	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U	0.01000 U
9/08	--	--	0.000400	0.0041	--	0.00400 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02000 U
3/09	--	--	0.000900	0.0200 U	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.00150 U	0.01000 U
9/09	51.200	0.05920	0.001000	0.0060	2.660	0.00830	0.0020 U	30.20	0.0020 U	--	0.00200 U	0.01000 U
7/10	--	--	0.001200	0.0036	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01100
9/10	41.600	0.09540	0.000470	0.0050 U	2.560	0.00640	0.0050 U	26.10	0.0050 U	--	0.00500 U	0.00790
4/11	49.300 J	0.07000	0.000750	0.0050 U	2.300	0.00950	0.0050 U	25.60 J	0.0050 U	--	0.00500 U	0.00516

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB07A - Total Metals

Printed 6/22/21

	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	52.500	0.07160	0.000560	--	2.440	0.00935	0.0050 U	26.30	0.0050 U	--	0.00500 U	0.00500 U
3/12	48.300	0.06760	0.001070	0.0050 U	2.450	0.00589	0.0050 U	28.60	0.0050 U	--	0.00500 U	0.00500 U
9/12	50.200	0.08910	0.001160	0.0050 U	2.800	0.00838	0.0050 U	24.80	0.0050 U	--	0.00500 U	0.00570
3/13	48.900	0.07530	0.000684	0.0050 U	3.120	0.00869	0.0050 U	27.10	0.0050 U	--	0.00500 U	0.00500 U
9/13	51.900	0.07040	0.000707	0.0102	2.550	0.00894	0.0050 U	24.90	0.0050 U	--	0.00500 U	0.00660
3/14	52.900	0.06650	0.000847	0.0050 U	2.450	0.00692	0.0050 U	26.10	0.0050 U	--	0.00500 U	0.00500 U
9/14	46.000	0.07620	0.000724	0.0050 U	2.250	0.00927	0.0050 U	24.20	0.0050 U	--	0.00500 U	0.00834
3/15	50.000	0.09400	0.001000	0.0090 J	2.400	0.01100 J	0.0100 U	24.00	0.0020 U	--	0.01000 U	0.01000 U
9/15	53.000	0.05200	0.000780	0.0100 U	2.500	0.01300	0.0010 U	27.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	21.900	0.15300	0.000200 U	0.0054	2.760	0.00449	0.0001 U	16.00	0.0010 U	--	0.00200 U	0.00522
8/16	22.200	0.20200	0.000200 U	0.0053	3.000	0.00458	0.0020 U	16.40	0.0010 U	--	0.00200 U	0.00522
3/17	60.000	0.08620	0.000429	0.0072	2.400	0.01400	0.0020 U	28.90	0.0010 U	--	0.00244	0.00248
9/17	63.500	0.09710	0.000530	0.0042	2.470	0.00820	0.0020 U	29.80	0.0010 U	--	0.00200 U	0.00227
4/18	37.900	0.23600	0.000233	0.0080	3.320	0.00957	0.0020 U	22.70	0.0010 U	--	0.00200 U	0.01740
9/18	24.900	0.22400	0.000200 U	0.0063	3.110	0.00610	0.0020 U	17.30	0.0010 U	--	0.00200 U	0.00823
4/19	55.500	0.07170	0.000886	0.0031	2.320	0.00100 U	0.0010 U	28.50	0.0010 U	--	0.00100 U	0.00400 U
7/19	38.700	0.12800	0.000413	0.0042	2.460	0.00100 U	0.0010 U	22.20 B	0.0010 U	--	0.00100 U	0.00788
3/20	51.300	0.14200	0.000702	0.0040	2.690	0.00100 U	0.0010 U	26.90	0.0010 U	--	0.00100 U	0.00400 U
7/20	25.900	0.51100	0.000119	0.0065	3.010	0.00100 U	0.0010 U	18.80	0.0010 U	--	0.00100 U	0.00699
3/21	24.900	0.24500	0.000136	0.0046	3.080	0.00100 U	0.0010 U	18.60	0.0010 U	--	0.00100 U	0.00987

Gude Landfill
Monitoring Location OB07A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
4/01	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	1.00 U	0.17 U	0.21 U	0.19 U	1.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	11.00 U	0.27 U	0.34 U	0.33 U	11.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	10.00 U	0.18 U	0.17 U	0.20 U	0.23 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.50 U	0.13 U	0.15 U	0.13 U	0.82
9/09	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	1.00 U	1.00 U	0.78 J
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

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-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)
9/10	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	2.00 U	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	1.00 U	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U	1.00 U
3/13	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	1.00 U
9/13	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	1.00 U
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	1.00 U	1.00 U	1.00 U
9/14	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	1.00 U
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	1.00 U
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	1.00 U	1.00 U	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/16	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	1.00 U
3/17	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	1.23
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U
9/18	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	1.00 U
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB07A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
10/03	0.11 U	0.27	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/04	0.11 U	0.22	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.06	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	8.93	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.50 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.50 U	0.13 U
9/09	1.00 U	0.32 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	2.50 U	1.00 U	1.00 U	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB07A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.02	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.40	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB07A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	0.23 U	0.21 U	2.46	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	2.28	0.24 U
9/01	0.23 U	0.21 U	2.50	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.89	0.27 U	0.21 U	3.36	0.24 U
3/02	0.23 U	0.21 U	3.43	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	4.64	0.24 U
9/02	0.23 U	0.21 U	2.06	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.95	0.24 U
6/03	0.23 U	0.21 U	2.56	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	3.49	0.24 U
10/03	0.23 U	0.21 U	2.66	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	1.00 U	1.67	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.23	0.24 U
9/04	0.27 U	0.25 U	1.25	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.41	0.32 U
4/05	0.27 U	0.25 U	1.01	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.75	0.32 U
9/05	0.27 U	0.25 U	1.45	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.15	0.32 U
4/06	0.27 U	0.25 U	1.05	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.41	0.32 U
9/06	0.27 U	0.25 U	2.60	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	1.00 U	0.34 U	0.18 U	0.25 U	2.56	0.32 U
4/07	0.27 U	0.25 U	2.02	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.59	0.32 U
10/07	0.27 U	0.25 U	2.02	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.46	0.32 U
3/08	0.21 U	0.15 U	2.09	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	1.91	0.28 U
9/08	0.12 U	0.20 U	1.85	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	2.12	0.12 U
3/09	0.12 U	0.20 U	3.51	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.69	0.50 U	0.11 U	0.11 U	2.66	0.12 U
9/09	1.00 U	1.00 U	3.00	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	1.00 U	0.52 J	0.42 J	1.00 U	1.00 U	1.81	1.00 U
7/10	1.00 U	1.00 U	3.00	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	2.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB07A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	1.20 J	1.80 J	2.00 U	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	1.82 J	2.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	2.00	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	5.80	--	1.00 U	23.00	1.00 U
3/12	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	2.00	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	2.18	1.00 U	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	2.06	1.00 U
9/13	1.00 U	1.00 U	1.58	1.00 U	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	1.99	1.00 U
3/14	1.00 U	1.00 U	2.17	1.00 U	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	1.83	1.00 U
9/14	1.00 U	1.00 U	1.55	1.00 U	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	1.40	1.00 U
3/15	1.00 U	1.00 U	1.74	1.00 U	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	1.20	1.00 U
9/15	1.00 U	1.00 U	1.73	1.00 U	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	1.43	1.00 U
3/16	1.00 U	1.00 U	1.37	1.00 U	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	1.34	1.00 U
8/16	1.00 U	1.00 U	1.26	1.00 U	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	1.45	1.00 U
3/17	1.00 U	1.00 U	2.28	1.00 U	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	1.32	1.00 U
9/17	1.00 U	1.00 U	1.89	1.00 U	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	1.08	1.00 U
4/18	1.00 U	1.00 U	1.50	1.00 U	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	1.26	1.00 U
9/18	1.00 U	1.00 U	1.29	1.00 U	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	1.05	1.00 U
4/19	1.00 U	1.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
3/20	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	1.00 U	1.00 U	1.00 U	1.20	1.00 U
7/20	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	1.00 U	1.00 U	1.00 U	1.20	1.00 U
3/21	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	1.00 U	1.00 U	1.00 U	1.10	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location OB07A - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	0.22 U	0.13 U	0.14 U	1.02	0.18 U	--	--	0.27 U
9/01	0.22 U	0.13 U	0.14 U	1.24	1.00 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.61	1.00 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.09	1.00 U	--	--	0.27 U
10/03	0.22 U	0.13 U	1.00 U	1.22	1.00 U	--	0.07	0.27 U
3/04	0.22 U	0.13 U	1.00 U	1.00 U	1.00 U	--	0.11	0.27 U
9/04	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.59	0.50 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.63	0.10 U	--	0.18 U	0.11 U
3/09	0.14 U	0.13 U	--	0.93	0.50 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	0.87 J	1.00 U	--	1.00 U	1.00 U
7/10	1.00 U	1.00 U	5.00 U	0.80 J	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 OB07A - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	0.88 J	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	21.00	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 OB08 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	39.2477	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	36.3369	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	38.7967	0.004	--	--	--	--	--	--	--	--	--
9/02	--	--	--	133.3280	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	39.7258	0.002 U	--	--	--	--	--	--	--	--	0.012
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.015
4/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.003 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.010
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.012
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.020
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	229.0	0.20 U	10.0 U	34.7000	--	--	228.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	248.0	0.20 U	10.0 U	32.8000	--	--	300.0	0.2000 U	0.20 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08 - General Parameters

Printed 6/22/21

	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)
4/11	230.0	0.20 U	10.0 U	34.2000	--	--	265.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	230.0	0.20 U	10.0 U	46.1000	--	--	144.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	239.0	0.20 U	9.9	42.8000	--	--	236.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	223.0	0.20 U	10.0 U	47.4000	--	--	234.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	224.0	0.20 U	10.0 U	45.5000	--	0.03	232.0	0.2000 U	0.20 U	0.05 U	268.0	6.54	--	--
9/13	219.0	0.20 U	10.0 U	47.7000	--	0.02	230.0	0.2000 U	0.20 U	0.05 U	272.0	6.18	--	--
3/14	219.0	0.20 U	10.0 U	44.7000	--	0.02	232.0	0.2000 U	--	--	264.0	6.18	--	--
9/14	227.0	0.20 U	10.0 U	39.5000	--	1.60	236.0	0.2000 U	0.20 U	0.05 U	248.0	6.62	--	--
3/15	215.0	0.20 U	10.0 U	37.5000	--	0.00	220.0	0.2000 U	0.20 U	0.05 U	89.0	7.07	--	--
9/15	213.0	0.39	10.0 U	39.7000	--	--	222.0	0.2000 U	0.20 U	0.05 U	68.0	6.49	--	--
3/16	196.0	0.20 U	10.0 U	42.4000	--	0.00	206.0	0.2000 U	0.20 U	0.05 U	230.0	6.56	--	--
9/16	218.0	0.20 U	10.0 U	48.5000	--	--	240.0	0.2000 U	0.20 U	0.05 U	204.0	6.29	--	--
3/17	205.0	0.20 U	10.0 U	52.2000	--	--	140.0	0.2000 U	0.20 U	0.05 U	245.0	6.47	--	--
9/17	197.0	0.20 U	10.0 U	55.5000	--	0.00	236.0	0.2000 U	0.20 U	0.05 U	285.0	6.57	--	--
4/18	193.0	0.20 U	10.0 U	62.7000	--	--	61.2	0.2000 U	0.20 U	0.05 U	75.0	6.50	--	--
9/18	193.0	0.20 U	10.0 U	60.6000	--	--	242.0	0.2000 U	0.20 U	0.05 U	106.0	6.48	--	--
4/19	225.0	0.10 U	4.0	41.5000	--	0.09	211.0 B	0.2000 U	--	--	68.4	6.46	6.53	--
7/19	223.0	0.10 U	7.6	44.3000	--	0.35	203.0	0.2000 U	--	--	199.9	6.33	6.57	--
3/20	224.0	0.10 U	4.9	54.0000	--	0.40	216.0	0.3600	--	--	22.5	6.36	6.49	--
7/20	226.0	0.35	19.1	73.7000	--	0.59	229.0	0.2000 U	--	--	55.7	6.04	6.32	--
3/21	232.0	0.35	6.5	77.0000	--	0.11	234.0	0.1400	--	--	35.9	6.08	6.26	--

Gude Landfill Monitoring Location OB08 - 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										
4/01	--	--	--	--	--	--	--	--	0.200	--
9/01	--	--	--	--	--	--	--	--	1.450	--
3/02	--	--	--	--	--	--	--	--	1.360	--
9/02	--	--	--	--	--	--	--	--	8.100	--
6/03	--	--	--	--	--	--	0 U	--	22.300	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	7.54	--	--	284.0	--	--	0.266	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	4.83	--	--	384.0	--	--	0.485	--

Gude Landfill

Printed 6/22/21

Monitoring Location OB08 - 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)
4/11	--	--	4.00 U	--	--	280.0	--	--	0.735	--
9/11	--	--	4.00 U	--	--	344.0	--	--	--	--
3/12	--	--	4.76	--	--	348.0	--	--	--	--
9/12	--	--	4.11	--	--	352.0	--	--	--	--
3/13	603.6	--	5.27	--	13.7	270.0	--	--	--	0.00
9/13	516.5	--	5.68	--	14.6	392.0	--	--	--	0.00
3/14	499.8	--	5.80	--	14.2	322.0	--	--	--	1.08
9/14	491.3	--	4.32	--	15.0	322.0	--	--	--	2.10
3/15	406.8	--	7.65	--	9.9	352.0	--	--	--	0.00
9/15	506.9	--	6.70	--	19.3	209.0	--	--	--	0.10
3/16	450.1	--	9.50	--	14.1	264.0	--	--	--	0.00
9/16	505.2	--	7.20	--	15.2	308.0	--	--	--	0.00
3/17	478.5	--	7.83	--	14.0	224.0	--	--	--	0.00
9/17	482.5	--	8.79	--	16.5	320.0	--	--	--	0.10
4/18	501.7	--	10.80	--	13.4	343.0	--	--	--	0.30
9/18	531.7	--	10.00	--	15.5	324.0	--	--	--	0.90
4/19	662.0	549.0	6.10	--	13.7	328.0	--	2.6 U	0.500 U	1.10
7/19	487.7	544.0	5.80	--	15.8	326.0	--	2.3 U	0.500 U	0.00
3/20	520.0	572.0	5.92	--	14.4	332.0	--	4.3	0.709	0.00
7/20	623.0	688.0	2.49	--	17.2	398.0	--	25.4	4.970	7.70
3/21	598.0	694.0	3.40	--	14.6	309.0	--	6.8	3.150	2.14

Gude Landfill
Monitoring Location OB08 - Dissolved Metals

Printed 6/22/21

	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
4/11	0.005 U	0.005 U	0.119	0.005 U	0.005 U	63.1	0.01 U	0.01	0.005	0.7	0.005 U	15.4	6.750	0.0002 U
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01	2.4	0.005 U	0.01 U	26.7	0.005 U	0.01 U	0.007
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	2.8	0.005 U	0.01 U	27.0	0.005 U	0.01 U	0.005 U
9/12	0.01	3.0	0.005 U	0.01 U	27.2	0.005 U	0.01 U	0.005
3/13	0.01	3.0	0.005 U	0.01 U	26.3	0.005 U	0.01 U	0.006
9/13	0.01	2.8	0.005 U	0.01 U	27.2	0.005 U	0.01 U	0.005 U
3/14	0.01	2.8	0.005 U	0.01 U	26.6	0.005 U	0.01 U	0.006
9/14	0.01	2.7	0.005 U	0.01 U	25.0	0.005 U	0.01 U	0.008
3/15	0.01 J	2.8	0.035 U	0.01 U	25.0	0.002 U	0.01 U	0.005 J
9/15	0.01 U	2.7	0.005 U	0.00 U	24.0	0.001 U	0.01 U	0.005 U
3/16	0.01	2.3	0.002 U	0.00 U	22.3	0.001 U	0.00 U	0.002 U
9/16	0.01	2.5	0.002 U	0.00 U	23.8	0.001 U	0.00 U	0.002 U
3/17	0.01	2.5	0.002 U	0.00 U	23.9	0.001 U	0.00 U	0.002 U
9/17	0.01	2.4	0.002 U	0.00 U	23.0	0.001 U	0.00 U	0.002
4/18	0.01	2.6	0.002	0.00 U	23.6	0.001 U	0.00 U	0.002
9/18	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 6/22/21

	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
4/01	0.0020 U	0.0020 U	0.0361	0.0005 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0176	--	0.00200 U
9/01	0.0020 U	0.0007 U	0.0287	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0102	--	0.00220
3/02	0.0005 U	0.0020 U	0.0192	0.0017 U	--	0.0020 U	--	0.0012 U	0.0004 U	0.0089	--	0.00200 U
9/02	0.0007 U	0.0027	0.0211	0.0004 U	--	0.0041	--	0.0040	0.0029	0.0099	--	0.00320
6/03	0.0007 U	0.0020 U	0.0327	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0204	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.0158	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0137	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0126	--	0.00200 U
4/05	0.0028 U	0.0020 U	0.0102	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0107	--	0.00200 U
9/05	0.0028 U	0.0006 U	0.0159	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0172	--	0.00210
4/06	0.0006 U	0.0006 U	0.0114	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0073	--	0.00200 U
9/06	0.0007 U	0.0020 U	0.1281	0.0009 U	--	0.0006 U	--	0.0007 U	0.0084	0.0062	--	0.00070 U
4/07	0.0007 U	0.0020 U	0.1163	0.0009 U	0.020 U	--	--	0.0007 U	0.0078	0.0060	--	0.00070 U
10/07	0.0007 U	0.0020 U	0.1146	0.0009 U	0.020 U	--	--	0.0007 U	0.0069	0.0061	--	0.00070 U
3/08	0.0005 U	0.0006 U	0.0822	0.0010 U	0.020 U	--	--	0.0020 U	0.0034	0.0045	--	0.00200 U
9/08	0.0010 U	0.0012 U	0.0288	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0080	--	0.00200 U
3/09	0.0010 U	0.0010 U	0.1309	0.0012 U	0.050 U	--	--	0.0007 U	0.0100 U	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0020 U	0.1370	0.0020 U	--	0.0020 U	63.50	0.0020 U	0.0052	0.0043	0.3010	0.00200 U
7/10	0.0010 U	0.0019	0.1200	0.0010 U	--	0.0010 U	--	0.0006 J	0.0081	0.0017	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.1180	0.0050 U	--	0.0050 U	65.90	0.0050 U	0.0064	0.0060	0.6470	0.00500 U
4/11	0.0050 U	0.0050 U	0.1160	0.0050 U	--	0.0050 U	62.70	0.0050 U	0.0070	0.0060	0.7180	0.00500 U
9/11	0.0050 U	0.0050 U	0.1280	0.0050 U	--	0.0050 U	67.10	0.0050 U	0.0080	0.0050 U	0.7970	0.00500 U

Gude Landfill
Monitoring Location OB08 - Total Metals

Printed 6/22/21

	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)
3/12	0.0050 U	0.0050 U	0.1290	0.0050 U	--	0.0050 U	70.80	0.0050 U	0.0079	0.0050 U	0.7400	0.00500 U
9/12	0.0050 U	0.0050 U	0.1290	0.0100 U	--	0.0050 U	68.20	0.0050 U	0.0084	0.0050 U	0.7740	0.00500 U
3/13	0.0050 U	0.0050 U	0.1320	0.0050 U	--	0.0050 U	66.60	0.0050 U	0.0080	0.0050 U	0.5750	0.00500 U
9/13	0.0050 U	0.0050 U	0.1260	0.0050 U	--	0.0050 U	65.30	0.0050 U	0.0065	0.0050 U	0.6760	0.00500 U
3/14	0.0050 U	0.0050 U	0.1250	0.0050 U	--	0.0050 U	54.30	0.0050 U	0.0065	0.0050 U	0.6920	0.00500 U
9/14	0.0050 U	0.0050 U	0.1320	0.0050 U	--	0.0050 U	57.10	0.0050 U	0.0069	0.0050 U	0.7390	0.00500 U
3/15	0.0020 U	0.0020 U	0.1300	0.0020 U	--	0.0040 U	64.00	0.0100 U	0.0100 U	0.0100 U	0.0310	0.00200 U
9/15	0.0010 U	0.0010 U	0.1300	0.0010 U	--	0.0005 U	64.00	0.0050 U	0.0050 U	0.0050 U	0.0270	0.00100 U
3/16	0.0020 U	0.0020 U	0.1380	0.0020 U	--	0.0020 U	58.40	0.0020 U	0.0041	0.0020 U	0.4500	0.00200 U
9/16	0.0020 U	0.0020 U	0.1460	0.0020 U	--	0.0020 U	64.60	0.0020 U	0.0057	0.0020 U	0.4670	0.00200 U
3/17	0.0020 U	0.0020 U	0.1350	0.0020 U	--	0.0020 U	61.90	0.0023	0.0054	0.0030	0.4290	0.00200 U
9/17	0.0020 U	0.0020 U	0.1450	0.0020 U	--	0.0020 U	62.80	0.0022	0.0040	0.0020 U	0.4350	0.00200 U
4/18	0.0020 U	0.0020 U	0.1380	0.0020 U	--	0.0020 U	68.10	0.0032	0.0047	0.0020 U	0.1020	0.00200 U
9/18	0.0020 U	0.0020 U	0.1300	0.0020 U	--	0.0020 U	72.50	0.0026	0.0048	0.0020 U	0.0779	0.00200 U
4/19	0.0010 U	0.0010 U	0.1510	0.0010 U	--	0.0010 U	56.50 B	0.0010 U	0.0053	0.0010 U	0.1000 U	0.00100 U
7/19	0.0010 U	0.0010 U	0.1520	0.0010 U	--	0.0010 U	55.30	0.0027	0.0057	0.0024	0.1390	0.00100 U
3/20	0.0010 U	0.0010 U	0.1470	0.0010 U	--	0.0010 U	61.70	0.0010 U	0.0051	0.0010 U	0.1150	0.00100 U
7/20	0.0010 U	0.0027	0.0656	0.0010 U	--	0.0010 U	49.30	0.0027	0.0186	0.0029	5.1100	0.00100 U
3/21	0.0010 U	0.0023	0.0574	0.0010 U	--	0.0010 U	51.10	0.0010 U	0.0179	0.0022	4.1900	0.00100 U

Gude Landfill
Monitoring Location OB08 - Total Metals

Printed 6/22/21

	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			
4/01	--	5.08000	0.000100 U	0.0052	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U	--
9/01	--	2.50000	0.000100 U	0.0100 U	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
3/02	--	0.38270	0.000100 U	0.0030 U	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
9/02	--	0.55440	0.000200	0.0149	--	0.00570	0.0096 U	--	0.0010 U	0.0008 U	0.00030 U	--
6/03	--	0.74190	0.000200 U	0.0028	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00030 U	--
3/04	--	0.23640	0.000200 U	0.0020 U	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00040 U	--
9/04	--	0.09760	0.000100 U	0.0020 U	--	0.00200 U	0.0018 U	--	0.0006 U	0.0003 U	0.00040 U	--
4/05	--	0.07160	0.000100 U	0.0020 U	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U	--
9/05	--	0.41950	0.000100 U	0.0028	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U	--
4/06	--	0.24170	0.000100 U	0.0021	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	8.92400	0.000200 U	0.0081	--	0.00200 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000200 U	0.0089	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.00570
10/07	--	--	0.000200 U	0.0082	--	0.00200 U	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U	0.00390
3/08	--	--	0.000200 U	0.0039	--	0.00200 U	0.0001 U	--	0.0010 U	0.0500 U	0.00200 U	0.00480
9/08	--	--	0.000200 U	0.0040 U	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02000 U
3/09	--	--	0.000200 U	0.0100 U	--	0.00120 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U	0.01000 U
9/09	12.900	6.29000	0.000200 U	0.0083	2.810	0.00200 U	0.0020 U	27.20	0.0020 U	--	0.00200 U	0.01000 U
7/10	--	--	0.000200 U	0.0071	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01400
9/10	14.900	7.18000	0.000200 U	0.0083	2.630	0.00500 U	0.0050 U	28.00	0.0050 U	--	0.00500 U	0.00500 U
4/11	17.000 U	6.56000	0.000200 U	0.0077	2.910	0.00500 U	0.0050 U	28.70 U	0.0050 U	--	0.00500 U	0.00765
9/11	16.800	7.22800	0.000200 U	--	2.860	0.00500 U	0.0050 U	27.40	0.0050 U	--	0.00500 U	0.00658

Gude Landfill
Monitoring Location OB08 - Total Metals

Printed 6/22/21

	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)
3/12	17.700	6.84000	0.000200 U	0.0082	2.850	0.00500 U	0.0050 U	28.00	0.0050 U	--	0.00500 U	0.00607
9/12	17.000	7.26000	0.000200 U	0.0090	2.950	0.00500 U	0.0050 U	25.40	0.0050 U	--	0.00500 U	0.00624
3/13	15.900	6.89000	0.000200 U	0.0102	2.480	0.00500 U	0.0050 U	26.30	0.0050 U	--	0.00500 U	0.00571
9/13	16.500	6.00000	0.000200 U	0.0077	2.710	0.00500 U	0.0050 U	26.40	0.0050 U	--	0.00500 U	0.00571
3/14	17.600	5.84000	0.000200 U	0.0070	2.610	0.00500 U	0.0050 U	20.10	0.0050 U	--	0.00500 U	0.00666
9/14	15.100	6.26000	0.000200 U	0.0089	2.700	0.00500 U	0.0050 U	24.00	0.0050 U	--	0.00500 U	0.01060
3/15	14.000	5.20000	0.000200 U	0.0075 J	2.800	0.03500 U	0.0100 U	25.00	0.0020 U	--	0.01000 U	0.00590 J
9/15	13.000	5.00000	0.000200 U	0.0100 U	2.700	0.00500 U	0.0010 U	24.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	12.900	4.89000	0.000200 U	0.0054	2.330	0.00200 U	0.0020 U	22.20	0.0010 U	--	0.00200 U	0.00200 U
9/16	14.700	5.21000	0.000200 U	0.0084	2.550	0.00200 U	0.0020 U	23.70	0.0010 U	--	0.00200 U	0.00209
3/17	14.200	5.15000	0.000200 U	0.0078	2.620	0.00200 U	0.0020 U	23.50	0.0010 U	--	0.00200 U	0.00206
9/17	13.900	4.71000	0.000200 U	0.0054	2.350	0.00200 U	0.0020 U	23.20	0.0010 U	--	0.00200 U	0.00242
4/18	14.900	5.05000	0.000200 U	0.0067	2.640	0.00220	0.0020 U	24.10	0.0010 U	--	0.00200 U	0.00224
9/18	14.800	4.75000	0.000200 U	0.0066	2.520	0.00200 U	0.0020 U	23.70	0.0010 U	--	0.00200 U	0.00249
4/19	17.000	7.65000	0.000100 U	0.0067	2.720	0.00100 U	0.0010 U	25.40	0.0010 U	--	0.00100 U	0.00400 U
7/19	15.700	6.68000	0.000100 U	0.0076	2.620	0.00100 U	0.0010 U	24.10	0.0010 U	--	0.00100 U	0.00400 U
3/20	17.300	6.05000	0.000100 U	0.0064	2.730	0.00100 U	0.0010 U	23.50	0.0010 U	--	0.00100 U	0.00400 U
7/20	25.700	8.71000	0.000100 U	0.0079	2.940	0.00100 U	0.0010 U	35.20	0.0010 U	--	0.00100 U	0.00802
3/21	25.900	8.28000	0.000100 U	0.0063	2.890	0.00100 U	0.0010 U	34.90	0.0010 U	--	0.00100 U	0.01120

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	1.12	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
9/02	0.18 U	1.00 U	1.00 U	0.22 U	16.91	1.00 U	1.00 U	0.21 U	1.00 U	0.20 U	10.00 U	1.00 U	2.50	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	--	0.27 U	0.34 U	0.33 U	--
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.78	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.23	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.59	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.67	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	0.67
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	0.14 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.85	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	1.24	0.13 U	10.00 U
9/09	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	1.16	1.00 U	2.15
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.00
9/10	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	0.78 J	2.00 U	1.84 J

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2,2-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-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)	1,4-Dichlorobenzene (ug/L)
4/11	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	1.00 U	1.00 U	1.20	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	1.60	--	4.00
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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	1.01
9/13	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	1.00 U	1.54	1.00 U
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	1.65	1.00 U	3.66
9/14	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	1.60	1.00 U	3.52
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	1.20	1.00 U	2.40
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	1.02	1.00 U	2.39
3/16	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	1.24	1.00 U	2.70
9/16	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	1.26	1.00 U	3.40
3/17	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	1.39	1.00 U	1.00 U
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	1.10	1.00 U	2.62
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	1.19	1.00 U	1.00 U
9/18	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	1.16	1.00 U	2.59
4/19	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	1.30	1.00 U	2.70
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	1.00 U	1.20	1.00 U	2.90
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	1.00 U	1.00 U	1.00 U	1.00 U	2.70
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.20	1.00 U	5.90
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	6.90

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	1.21	0.20 U	0.18 U	0.14 U	0.15 U	1.25	1.00 U	5.15	1.00 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/04	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	1.00 U	0.29 U	0.19 U	--	0.39 U	--	1.09	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.81	1.00 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	1.00	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.14	1.00 U
10/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.04	1.00 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.68	0.10 U
9/08	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.71	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	2.02	0.13 U
9/09	1.00 U	0.71 J	1.00 U	1.00 U	2.70	1.00 U	0.71 J	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.95	0.44 J
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	0.80 J	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	4.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	0.50 U	2.00 U	0.66 J	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	3.31	0.55 J

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.70	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.41	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.52	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.26	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.87	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.88	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.75	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.01	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.97	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.91	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.77	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.15	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.20	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.77	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.50	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.50	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.70	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	12.00	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	12.20	1.00 U

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
4/01	0.23 U	0.21 U	1.46	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/01	0.23 U	0.21 U	2.26	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.60	0.27 U	0.21 U	1.00 U	0.24 U
3/02	0.23 U	0.21 U	2.52	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	1.00 U	0.24 U
9/02	1.00 U	1.00 U	29.93	0.19 U	0.17 U	0.26 U	1.00 U	2.63	--	0.22 U	1.00 U	0.27 U	0.21 U	28.07	1.00 U
6/03	0.23 U	0.21 U	2.08	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	0.21 U	1.85	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/04	0.27 U	0.25 U	1.76	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	1.34	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
9/06	0.27 U	0.25 U	9.92	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	8.88	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.25 U	11.07	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
3/08	0.21 U	0.15 U	3.92	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.20 U	3.10	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
3/09	0.12 U	0.20 U	10.93	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	10.40	1.00 U	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
7/10	1.00 U	1.00 U	11.00	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	1.00 U
9/10	2.00 U	2.00 U	8.39	2.00 U	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

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
4/11	1.00 U	2.60	8.90	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	17.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	14.60	1.00 U	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
3/13	1.00 U	1.00 U	8.33	1.00 U	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
9/13	1.00 U	1.00 U	18.40	1.00 U	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
3/14	1.00 U	1.00 U	15.90	1.00 U	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
9/14	1.00 U	1.00 U	20.80	1.00 U	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
3/15	1.00 U	1.00 U	10.60	1.00 U	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
9/15	1.00 U	1.00 U	10.40	1.00 U	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
3/16	1.00 U	1.00 U	10.60	1.00 U	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
9/16	1.00 U	1.00 U	11.00	1.00 U	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
3/17	1.00 U	1.00 U	12.10	1.00 U	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
9/17	1.00 U	1.00 U	13.80	1.00 U	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	1.64
4/18	1.00 U	1.00 U	15.70	1.00 U	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
9/18	1.00 U	1.00 U	14.50	1.00 U	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
4/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	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	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	8.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
4/01	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
9/01	1.00 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	0.27 U
3/02	1.00 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	0.27 U
9/02	1.00 U	0.13 U	0.14 U	21.35	3.01	--	--	0.27 U
6/03	1.00 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
3/04	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.04	0.27 U
9/04	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	1.22	0.24 U	0.30 U	1.00 U	0.36 U	--	2.67	0.18 U
4/07	1.11	0.24 U	0.30 U	1.00 U	0.36 U	--	2.47	0.18 U
10/07	1.26	0.24 U	0.30 U	1.00 U	0.36 U	--	2.98	0.18 U
3/08	0.50 U	0.08 U	--	0.23 U	0.07 U	--	0.52	0.22 U
9/08	0.50 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	0.11 U
3/09	0.83	0.13 U	--	0.75	0.10 U	--	2.04	0.11 U
9/09	0.76 J	1.00 U	1.00 U	0.44 J	1.00 U	--	2.35	1.00 U
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00 U
9/10	0.66 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	3.18	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	3.20	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	4.00	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.68	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.78	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	4.41	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.53	1.00 U
9/14	1.20	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.83	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.80	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.55	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.05	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.06	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.07	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	80.9066	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	76.2039	0.005	--	--	--	--	--	--	--	--	--
3/02	--	--	--	82.0530	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	245.1770	0.001	--	--	--	--	--	--	--	--	--
6/03	--	--	--	87.5454	0.002 U	--	--	--	--	--	--	--	--	0.010 U
3/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.014
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
9/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.013
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.019
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	228.0	0.20 U	7.9 J	67.4000	--	--	570.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	226.0	0.20 U	5.3 J	58.2000	--	--	300.0	0.2000 U	0.20 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - General Parameters

Printed 6/22/21

	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)
4/11	220.0	0.20 U	10.2	45.4000	--	--	370.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	218.0	0.20 U	10.0 U	63.3000	--	--	190.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	221.0	0.20 U	8.6	55.5000	--	--	252.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	216.0	0.20 U	10.0 U	65.4000	--	--	240.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	219.0	0.20 U	10.0 U	63.8000	--	0.02	230.0	0.2000 U	0.20 U	0.05 U	232.0	6.39	--	--
9/13	214.0	0.20 U	10.0 U	68.0000	--	0.03	240.0	0.2000 U	0.20 U	0.05 U	235.0	6.01	--	--
3/14	218.0	0.22	10.0 U	59.9000	--	0.02	236.0	0.2000 U	--	--	221.0	6.11	--	--
9/14	219.0	0.25	10.0 U	50.4000	--	1.39	218.0	0.2000 U	0.20 U	0.05 U	220.0	6.47	--	--
3/15	221.0	0.20 U	10.0 U	60.8000	--	0.00	264.0	0.2000 U	0.20 U	0.05 U	239.0	6.61	--	--
9/15	221.0	0.44	10.0 U	70.0000	--	--	250.0	0.2000 U	0.20 U	0.05 U	120.0	6.07	--	--
3/16	210.0	0.23	10.0 U	67.6000	--	0.00	230.0	0.2000 U	0.20 U	0.05 U	179.0	6.25	--	--
9/16	226.0	0.26	10.0 U	72.5000	--	--	256.0	0.2000 U	0.20 U	0.05 U	169.0	6.02	--	--
3/17	206.0	0.24	10.0 U	83.6000	--	--	180.0	0.2000 U	0.20 U	0.05 U	196.0	6.20	--	--
9/17	205.0	0.20 U	10.0 U	87.5000	--	0.02	130.0	0.2000 U	0.20 U	0.05 U	222.0	6.28	--	--
4/18	207.0	0.20 U	15.2	91.1000	--	--	102.0	0.2000 U	0.20 U	0.05 U	56.0	6.18	--	--
9/18	204.0	0.20	10.0 U	105.0000	--	--	278.0	0.2000 U	0.20 U	0.05 U	42.0	6.19	--	--
4/19	220.0	0.31	9.0	32.6000	--	0.09	184.0 B	0.2000 U	--	--	5.9	6.29	6.44	--
7/19	218.0	0.34	11.8	50.8000	--	0.25	183.0	0.4000	--	--	199.9	6.18	6.40	--
3/20	232.0	0.30	10.4	72.3000	--	0.41	226.0	0.5500	--	--	54.5	6.10	6.30	--
7/20	223.0	0.10 U	16.0	51.0000	--	0.64	221.0	0.2000 U	--	--	55.3	6.45	6.60	--
3/21	201.0	0.10 U	3.0 U	46.8000	--	0.32	190.0	0.2480	--	--	82.1	7.19	6.94	--

Gude Landfill Monitoring Location OB08A - 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										
4/01	--	--	--	--	--	--	--	--	1.100	--
9/01	--	--	--	--	--	--	--	--	6.300	--
3/02	--	--	--	--	--	--	--	--	5.420	--
9/02	--	--	--	--	--	--	--	--	8.500	--
6/03	--	--	--	--	--	--	0	--	26.100	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	3.85	--	--	352.0	--	--	1.690	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	5.74	--	--	384.0	--	--	0.528	--

Gude Landfill Monitoring Location OB08A - 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)
4/11	--	--	4.00 U	--	--	340.0	--	--	1.360	--
9/11	--	--	4.00 U	--	--	1240.0	--	--	--	--
3/12	--	--	4.00 U	--	--	364.0	--	--	--	--
9/12	--	--	4.00 U	--	--	364.0	--	--	--	--
3/13	649.1	--	4.00 U	--	13.4	288.0	--	--	--	0.00
9/13	547.9	--	4.39	--	15.0	388.0	--	--	--	0.00
3/14	536.7	--	5.07	--	14.4	316.0	--	--	--	1.39
9/14	503.4	--	4.00 U	--	16.4	306.0	--	--	--	0.90
3/15	468.1	--	4.00 U	--	9.3	326.0	--	--	--	1.50
9/15	616.8	--	4.00 U	--	28.5	291.0	--	--	--	0.00
3/16	545.4	--	4.00 U	--	13.6	317.0	--	--	--	0.30
9/16	580.6	--	4.00 U	--	16.5	290.0	--	--	--	0.00
3/17	583.1	--	4.00 U	--	14.4	370.0	--	--	--	0.00
9/17	662.1	--	4.26	--	14.6	371.0	--	--	--	1.60
4/18	603.1	--	5.64	--	13.3	365.0	--	--	--	0.30
9/18	666.3	--	5.00	--	21.3	383.0	--	--	--	5.30
4/19	609.0	503.0	2.30	--	13.7	303.0	--	57.4	5.080	6.80
7/19	490.5	548.0	2.40	--	15.5	343.0	--	13.5	10.700	1.80
3/20	590.0	643.0	2.75	--	14.4	363.0	--	10.6	4.030	3.40
7/20	550.0	612.0	5.82	--	18.3	362.0	--	2.4 U	0.500 U	1.40
3/21	463.3	547.0	9.50	--	13.8	377.0	--	3.3	0.500 U	4.65

Gude Landfill
Monitoring Location OB08A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01	2.5	0.005 U	0.01 U	27.3	0.005 U	0.01 U	0.006
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	2.8	0.005 U	0.01 U	33.7	0.005 U	0.01 U	0.006
9/12	0.01	3.1	0.005 U	0.01 U	31.1	0.005 U	0.01 U	0.005
3/13	0.01	3.0	0.005 U	0.01 U	31.8	0.005 U	0.01 U	0.006
9/13	0.01	2.8	0.005 U	0.01 U	33.0	0.005 U	0.01 U	0.005
3/14	0.01	2.8	0.005 U	0.01 U	22.5	0.005 U	0.01 U	0.005
9/14	0.01	2.7	0.005 U	0.01 U	30.3	0.005 U	0.01 U	0.008
3/15	0.01 J	2.9	0.035 U	0.01 U	33.0	0.002 U	0.01 U	0.010 U
9/15	0.01 U	3.0	0.005 U	0.00 U	34.0	0.001 U	0.01 U	0.005 U
3/16	0.01	2.5	0.002 U	0.00 U	29.6	0.001 U	0.00 U	0.002 U
9/16	0.01	2.7	0.002	0.00 U	31.6	0.001 U	0.00 U	0.003
3/17	0.01	2.7	0.003	0.00 U	32.4	0.001 U	0.00 U	0.003
9/17	0.01	2.6	0.002 U	0.00 U	30.9	0.001 U	0.00 U	0.002
4/18	0.01	2.9	0.003	0.00 U	32.7	0.001 U	0.00 U	0.004
9/18	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 6/22/21

	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
4/01	0.0020 U	0.0005 U	0.0043	0.0005 U	--	0.0020 U	--	0.0020 U	0.0022	0.0100 U	--	0.00130 U
9/01	0.0020 U	0.0020 U	0.0115	0.0017 U	--	0.0020 U	--	0.0020 U	0.0054	0.0085	--	0.00200 U
3/02	0.0020 U	0.0020 U	0.0107	0.0017 U	--	0.0020 U	--	0.0020 U	0.0035	0.0165	--	0.00200 U
9/02	0.0007 U	0.0191	0.1822	0.0004 U	--	0.0052	--	0.0037	0.0664	0.0141	--	0.00270
6/03	0.0007 U	0.0020 U	0.0098	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0200	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.0049	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0059	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0102	--	0.00060 U
4/05	0.0028 U	0.0006 U	0.0057	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0127	--	0.00060 U
9/05	0.0028 U	0.0006 U	0.0101	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0104	--	0.00200 U
4/06	0.0006 U	0.0006 U	0.0087	0.0007 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0078	--	0.00200
9/06	0.0007 U	0.0026	0.0974	0.0009 U	--	0.0006 U	--	0.0020 U	0.0184	0.0083	--	0.00200 U
4/07	0.0007 U	0.0030	0.1007	0.0009 U	0.020 U	--	--	0.0020 U	0.0171	0.0059	--	0.00070 U
10/07	0.0020 U	0.0022	0.0820	0.0009 U	0.020 U	--	--	0.0007 U	0.0177	0.0058	--	0.00070 U
3/08	0.0005 U	0.0020 U	0.0894	0.0010 U	0.020 U	--	--	0.0020 U	0.0094	0.0041	--	0.00200 U
9/08	0.0010 U	0.0012 U	0.0200 U	0.0020 U	0.040 U	--	--	0.0016 U	0.0040 U	0.0061	--	0.00200 U
3/09	0.0010 U	0.0100 U	0.0669	0.0012 U	0.050 U	--	--	0.0007 U	0.0167	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0023	0.0815	0.0020 U	--	0.0020 U	59.40	0.0020 U	0.0186	0.0051	3.8500	0.00200 U
7/10	0.0010 U	0.0032	0.0760	0.0010 U	--	0.0010 U	--	0.0006 U	0.0170	0.0005 U	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0779	0.0050 U	--	0.0050 U	52.90	0.0050 U	0.0175	0.0061	3.3500	0.00500 U
4/11	0.0050 U	0.0050 U	0.0990	0.0050 U	--	0.0050 U	58.10	0.0050 U	0.0146	0.0060	3.6900	0.00500 U
9/11	0.0050 U	0.0050 U	0.0689	0.0050 U	--	0.0050 U	54.40	0.0050 U	0.0173	0.0050 U	3.0500	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Total Metals

Printed 6/22/21

	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)
3/12	0.0050 U	0.0050 U	0.0735	0.0050 U	--	0.0050 U	53.30	0.0050 U	0.0171	0.0080	3.4400	0.00500 U
9/12	0.0050 U	0.0050 U	0.0680	0.0050 U	--	0.0050 U	54.70	0.0050 U	0.0189	0.0050 U	3.9300	0.00500 U
3/13	0.0050 U	0.0050 U	0.0674	0.0050 U	--	0.0050 U	54.90	0.0050 U	0.0189	0.0050 U	3.3800	0.00500 U
9/13	0.0050 U	0.0050 U	0.0648	0.0050 U	--	0.0050 U	52.40	0.0050 U	0.0161	0.0050 U	3.9400	0.00500 U
3/14	0.0050 U	0.0050 U	0.0677	0.0050 U	--	0.0050 U	47.10	0.0050 U	0.0153	0.0050 U	3.0600	0.00500 U
9/14	0.0050 U	0.0050 U	0.0770	0.0050 U	--	0.0050 U	47.60	0.0050 U	0.0149	0.0050 U	3.3100	0.00500 U
3/15	0.0020 U	0.0029	0.0470	0.0020 U	--	0.0040 U	49.00	0.0047 J	0.0170	0.0017 J	4.4000	0.00200 U
9/15	0.0010 U	0.0026	0.0410	0.0010 U	--	0.0005 U	53.00	0.0050 U	0.0190	0.0050 U	5.0000	0.00100 U
3/16	0.0020 U	0.0026	0.0697	0.0020 U	--	0.0020 U	54.50	0.0020	0.0157	0.0020 U	3.8700	0.00200 U
9/16	0.0020 U	0.0030	0.0698	0.0020 U	--	0.0020 U	56.10	0.0027	0.0192	0.0020	3.8200	0.00200 U
3/17	0.0020 U	0.0030	0.0571	0.0020 U	--	0.0020 U	55.80	0.0031	0.0200	0.0050	4.2300	0.00200 U
9/17	0.0050 U	0.0050 U	0.0675	0.0050 U	--	0.0050 U	60.40	0.0050 U	0.0168	0.0050 U	4.4300	0.00500 U
4/18	0.0020 U	0.0029	0.0615	0.0020 U	--	0.0020 U	62.30	0.0052	0.0171	0.0020 U	3.3300	0.00200 U
9/18	0.0020 U	0.0025	0.0452	0.0020 U	--	0.0020 U	66.20	0.0041	0.0197	0.0020 U	3.3300	0.00200 U
4/19	0.0010 U	0.0030	0.1100	0.0010 U	--	0.0015	44.20 B	0.0057	0.0122	0.0043	4.0000	0.00225
7/19	0.0010 U	0.0027	0.0717	0.0010 U	--	0.0010 U	42.10	0.0021	0.0136	0.0021	3.7900	0.00100 U
3/20	0.0010 U	0.0027	0.0765	0.0010 U	--	0.0010 U	53.00	0.0010	0.0163	0.0012	4.0300	0.00100 U
7/20	0.0010 U	0.0010 U	0.1520	0.0010 U	--	0.0010 U	59.70	0.0010 U	0.0055	0.0010 U	0.1060	0.00100 U
3/21	0.0010 U	0.0010 U	0.0550	0.0010 U	--	0.0010 U	52.70	0.0015	0.0010 U	0.0021	0.0672 J	0.00100 U

Gude Landfill
Monitoring Location OB08A - Total Metals

Printed 6/22/21

	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			
4/01	--	5.54000	0.000100 U	0.0062	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U	--
9/01	--	7.17000	0.000100 U	0.0121	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
3/02	--	2.60000	0.000100 U	0.0100 U	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
9/02	--	6.84000	0.000300	0.0481	--	0.02650	0.0096 U	--	0.0010 U	0.0020 U	0.00200 U	--
6/03	--	0.73390	0.000200 U	0.0032	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00030 U	--
3/04	--	0.21680	0.000200 U	0.0020 U	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00040 U	--
9/04	--	0.02060	0.000100 U	0.0020 U	--	0.00200 U	0.0018 U	--	0.0006 U	0.0003 U	0.00040 U	--
4/05	--	0.02180	0.000100 U	0.0020 U	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U	--
9/05	--	0.13020	0.000100 U	0.0021	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U	--
4/06	--	0.22020	0.000100 U	0.0026	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	9.78700	0.000200 U	0.0106	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000200 U	0.0088	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.00830
10/07	--	--	0.000200 U	0.0083	--	0.00200 U	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U	0.00510
3/08	--	--	0.000200 U	0.0054	--	0.00200 U	0.0001 U	--	0.0010 U	0.0500 U	0.00010 U	0.00450
9/08	--	--	0.000200 U	0.0095	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02000 U
3/09	--	--	0.000200 U	0.0100 U	--	0.00120 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U	0.01000 U
9/09	23.200	8.16000	0.000200 U	0.0095	2.820	0.00200 U	0.0020 U	37.00	0.0020 U	--	0.00200 U	0.01000 U
7/10	--	--	0.000200 U	0.0067	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01100
9/10	19.300	8.23000	0.000200 U	0.0079	2.520	0.00500 U	0.0050 U	31.70	0.0050 U	--	0.00500 U	0.00500 U
4/11	20.300	8.57000	0.000200 U	0.0071	2.770	0.00500 U	0.0050 U	30.80 U	0.0050 U	--	0.00500 U	0.00780
9/11	22.000	7.48400	0.000200 U	--	2.800	0.00500 U	0.0050 U	31.80	0.0050 U	--	0.00500 U	0.00676

Gude Landfill
Monitoring Location OB08A - Total Metals

Printed 6/22/21

	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)
3/12	21.800	7.53000	0.000200 U	0.0067	2.790	0.00500 U	0.0050 U	32.90	0.0050 U	--	0.00500 U	0.01010
9/12	21.800	8.27000	0.000200 U	0.0077	2.990	0.00500 U	0.0050 U	30.70	0.0050 U	--	0.00500 U	0.00749
3/13	21.800	8.12000	0.000200 U	0.0095	2.850	0.00500 U	0.0050 U	30.70	0.0050 U	--	0.00500 U	0.00596
9/13	21.600	7.16000	0.000200 U	0.0071	2.910	0.00500 U	0.0050 U	30.10	0.0050 U	--	0.00500 U	0.00704
3/14	17.900	6.94000	0.000200 U	0.0066	2.720	0.00500 U	0.0050 U	24.70	0.0050 U	--	0.00500 U	0.00625
9/14	18.700	7.33000	0.000200 U	0.0074	2.600	0.00500 U	0.0050 U	29.40	0.0050 U	--	0.00500 U	0.00911
3/15	21.000	6.80000	0.000200 U	0.0110	2.800	0.03500 U	0.0100 U	32.00	0.0020 U	--	0.01000 U	0.00840 J
9/15	23.000	7.40000	0.000200 U	0.0100 U	3.000	0.00500 U	0.0010 U	33.00	0.0010 U	--	0.00500 U	0.00770
3/16	21.200	7.77000	0.000200 U	0.0056	2.540	0.00200 U	0.0020 U	29.20	0.0010 U	--	0.00200 U	0.00282
9/16	22.500	7.77000	0.000200 U	0.0084	2.690	0.00274	0.0020 U	31.10	0.0010 U	--	0.00200 U	0.00437
3/17	24.000	7.88000	0.000200 U	0.0081	2.660	0.00321	0.0020 U	32.20	0.0010 U	--	0.00200 U	0.00367
9/17	25.900	7.67000	0.000200 U	0.0068	2.760	0.00500 U	0.0050 U	33.20	0.0050 U	--	0.00500 U	0.02130
4/18	24.800	12.30000	0.000200 U	0.0088	2.830	0.00350	0.0020 U	31.50	0.0010 U	--	0.00200 U	0.00430
9/18	27.400	7.65000	0.000200 U	0.0080	2.800	0.00331	0.0020 U	33.10	0.0010 U	--	0.00200 U	0.00531
4/19	18.000	7.75000	0.000100 U	0.0106	2.920	0.00100 U	0.0010 U	27.20	0.0010 U	--	0.00195	0.02500
7/19	18.900	8.85000	0.000100 U	0.0066	2.520	0.00100 U	0.0010 U	28.30	0.0010 U	--	0.00100 U	0.00507 B
3/20	23.700	8.61000	0.000100 U	0.0067	2.850	0.00100 U	0.0010 U	31.70	0.0010 U	--	0.00100 U	0.00719
7/20	17.500	5.80000	0.000100 U	0.0063	2.780	0.00100 U	0.0010 U	26.70	0.0010 U	--	0.00100 U	0.00400 U
3/21	14.300	1.71000	0.000100 U	0.0033	3.610	0.00100 U	0.0010 U	25.00	0.0010 U	--	0.00100 U	0.00600

Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.13	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	2.73	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	2.20	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	1.48	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.39	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	34.39	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	3.05	6.61	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.00 U	0.19 U	10.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	1.00 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	0.43 U	0.27 U	1.00 U	0.33 U	0.44 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	2.53	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.43	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	2.17	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1.05	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	2.33	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	1.22	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.50 U	0.94	0.13 U	0.14 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	1.07	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	--	0.53	2.11	0.13 U	--
9/09	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	0.52 J	2.02	1.00 U	3.97
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.00
9/10	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	1.10 J	2.00 U	2.83

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 6/22/21

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2,2-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-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)	1,4-Dichlorobenzene (ug/L)
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	2.00	--	4.70
9/12	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	1.00 U	1.00 U	4.19
3/13	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	1.08	1.00 U	1.14
9/13	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	3.09	1.00 U	1.91
3/14	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	2.11	1.00 U	4.78
9/14	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	1.80	1.00 U	4.48
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	1.86	1.00 U	4.19
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	2.06	1.00 U	3.92
3/16	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	2.14	1.00 U	5.87
9/16	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	1.95	1.00 U	5.64
3/17	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	2.11	1.00 U	1.00 U
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	1.00 U	1.00 U	5.38
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	1.95	1.00 U	5.14
9/18	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	1.81	1.00 U	4.28
4/19	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	1.10	1.00 U	3.20
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	1.00 U	1.10	1.00 U	3.90
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	1.00 U	1.00 U	1.20	1.00 U	5.60
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.10	1.00 U	3.60
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/01	0.11 U	--	1.00 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.00 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	10.31	1.00 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	63.67	1.00 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
3/04	0.11 U	0.21	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.37	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	1.00 U	1.00 U	1.00 U	--	0.39 U	--	1.39	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	5.54	1.00 U
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.23	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.84	1.00 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.26	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.64	1.00 U
3/08	0.19 U	--	--	--	--	--	0.52	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	2.27	0.50 U
9/08	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	1.09	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	3.43	0.62
9/09	1.00 U	0.46 J	1.00 U	1.00 U	0.28 J	1.00 U	1.03	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	3.38	0.73 J
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	0.90 J	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.99 J	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	4.22	0.62 J

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.30	1.00
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.60	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.04	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.54	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.30	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.81	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.07	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.75	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.06	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.48	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.03	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.05	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.08	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.56	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.05	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.41	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.29	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.86	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.74	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.80	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.30	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	11.90	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.80	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB08A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
4/01	0.23 U	0.21 U	11.56	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
9/01	0.23 U	0.21 U	23.94	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.47	0.27 U	0.21 U	1.00 U
3/02	0.23 U	0.21 U	13.90	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U
9/02	1.00 U	1.00 U	72.56	0.19 U	0.17 U	0.26 U	1.00 U	1.00 U	--	0.22 U	27.89	0.27 U	0.21 U	58.78
6/03	0.23 U	0.21 U	8.90	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.12
3/04	0.23 U	0.21 U	2.46	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
9/04	0.27 U	0.25 U	2.79	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
4/05	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
9/05	0.27 U	0.25 U	3.73	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
4/06	0.27 U	0.25 U	4.33	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
9/06	0.27 U	0.25 U	18.21	0.29 U	0.27 U	0.23 U	2.00 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U
4/07	0.27 U	0.25 U	14.02	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
10/07	0.27 U	0.25 U	21.08	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
3/08	0.21 U	0.15 U	10.07	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U
9/08	0.12 U	0.20 U	8.42	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U
3/09	0.12 U	0.20 U	22.57	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U
9/09	1.00 U	1.00 U	21.20	1.00 U	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
7/10	1.00 U	1.00 U	16.00	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
9/10	2.00 U	0.89 U	14.10	2.00 U	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

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
4/11	1.00 U	4.00	12.00	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
3/12	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	--	1.00 U	1.00 U
9/12	1.00 U	1.00 U	19.60	1.00 U	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
3/13	1.00 U	1.00 U	9.61	1.00 U	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
9/13	1.00 U	1.00 U	26.20	1.00 U	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
3/14	1.00 U	1.00 U	20.70	1.00 U	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
9/14	1.00 U	1.00 U	12.10	1.00 U	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
3/15	1.00 U	1.00 U	11.10	1.00 U	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
9/15	1.00 U	1.00 U	11.90	1.00 U	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
3/16	1.00 U	1.00 U	15.10	1.00 U	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
9/16	1.00 U	1.00 U	15.10	1.00 U	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
3/17	1.00 U	1.00 U	19.70	1.00 U	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
9/17	1.00 U	1.00 U	20.80	1.00 U	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
4/18	1.00 U	1.00 U	23.60	1.00 U	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
9/18	1.00 U	1.00 U	19.50	1.00 U	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
4/19	1.00 U	1.00 U	8.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	7.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	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	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	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	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB08A - Volatile Organic Compounds

Printed 6/22/21

	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	1000	100			5			2	10000
4/01	0.24 U	1.00 U	0.13 U	0.14 U	5.12	0.18 U	--	--	0.27 U
9/01	0.24 U	1.00 U	0.13 U	0.14 U	12.98	0.18 U	--	--	0.27 U
3/02	0.24 U	1.00 U	0.13 U	0.14 U	8.20	0.18 U	--	--	0.27 U
9/02	1.00 U	4.05	0.13 U	0.14 U	61.10	7.61	--	--	0.27 U
6/03	0.24 U	1.00 U	0.13 U	0.14 U	4.88	0.18 U	--	--	0.27 U
3/04	0.24 U	0.22 U	0.13 U	0.14 U	1.32	0.18 U	--	0.06	0.27 U
9/04	0.32 U	0.45 U	0.24 U	0.30 U	2.34	0.36 U	--	0.32 U	0.18 U
4/05	0.32 U	0.45 U	0.24 U	1.00 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.32 U	0.45 U	0.24 U	0.30 U	2.44	0.36 U	--	0.32 U	0.18 U
4/06	0.32 U	0.45 U	0.24 U	0.30 U	2.26	0.36 U	--	0.32 U	0.18 U
9/06	0.32 U	1.79	0.24 U	0.30 U	3.72	0.36 U	--	4.03	0.18 U
4/07	0.32 U	1.45	0.24 U	0.30 U	1.51	0.36 U	--	3.44	0.18 U
10/07	0.32 U	1.89	0.24 U	0.30 U	2.30	0.36 U	--	4.80	0.18 U
3/08	0.28 U	0.74	0.08 U	--	0.84	0.07 U	--	1.60	0.22 U
9/08	0.12 U	0.50 U	0.13 U	--	0.98	0.10 U	--	0.18 U	0.11 U
3/09	0.12 U	1.48	0.13 U	--	1.52	0.10 U	--	5.16	0.11 U
9/09	1.00 U	1.37	1.00 U	1.00 U	1.29	1.00 U	--	6.50	1.00 U
7/10	1.00 U	0.90 J	1.00 U	5.00 U	0.80 J	1.00 U	1.00 U	3.00	1.00 U
9/10	2.00 U	0.89 J	2.00 U	2.00 U	0.51 J	2.00 U	2.00 U	4.76	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB08A - Volatile Organic Compounds

Printed 6/22/21

	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)
4/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	4.00	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.40	1.00 U
9/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	4.99	1.00 U
3/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.31	1.00 U
9/13	1.00 U	1.98	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	6.38	1.00 U
3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	4.86	1.00 U
9/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	4.99	1.00 U
3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.39	1.00 U
9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.60	1.00 U
3/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.89	1.00 U
9/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.56	1.00 U
3/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.89	1.00 U
9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.82	1.00 U
4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.04	1.00 U
9/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	2.89	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	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	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.00 U
7/20	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
3/21	1.00 U	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 OB10 - General Parameters

Printed 6/22/21

	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				
9/01	--	--	--	29.5158	0.005	--	--	--	--	--	--	--	--	--
3/02	--	--	--	34.7181	0.003	--	--	--	--	--	--	--	--	--
6/03	--	--	--	57.2618	0.002 U	--	--	--	--	--	--	--	--	0.019
10/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.058
3/04	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.070
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.013
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
9/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.013
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.023
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	110.0	0.20 U	6.0 J	82.4000	--	--	160.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	134.0	0.20 U	10.3	83.6000	--	--	230.0	0.0080 U	0.20 U	0.05 U	--	--	--	--
4/11	116.0	0.20 U	10.0 U	89.0000	--	--	230.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	122.0	0.20 U	10.0 U	94.1000	--	--	226.0	0.2000 U	0.20 U	0.05 U	--	--	--	--

Gude Landfill
Monitoring Location OB10 - General Parameters

Printed 6/22/21

	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)
3/12	119.0	0.20 U	7.5	100.0000	--	--	210.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	133.0	0.20 U	10.0 U	121.0000	--	--	244.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/13	116.0	0.20 U	10.0 U	120.0000	--	0.02	234.0	0.2000 U	0.20 U	0.05 U	253.0	6.20	--	--
9/13	139.0	0.20 U	10.0 U	136.0000	--	0.03	278.0	0.2000 U	0.20 U	0.05 U	197.0	6.12	--	--
3/14	116.0	0.20 U	10.0 U	144.0000	--	0.02	256.0	0.2000 U	--	--	208.0	6.03	--	--
9/14	132.0	0.20 U	10.7	159.0000	--	1.23	292.0	0.2000 U	0.20 U	0.05 U	144.0	6.32	--	--
3/15	116.0	0.20 U	10.0 U	147.0000	--	0.00	276.0	0.2000 U	0.20 U	0.05 U	188.0	6.09	--	--
9/15	136.0	0.20 U	12.2	185.0000	--	0.75	332.0	0.2000 U	0.20 U	0.05 U	94.0	5.85	--	--
3/16	114.0	0.20 U	10.0 U	179.0000	--	0.00	294.0	0.2000 U	0.20 U	0.05 U	237.0	5.97	--	--
8/16	132.0	0.20 U	12.0	187.0000	--	1.72	368.0	0.2000 U	0.20 U	0.05 U	134.0	5.76	--	--
3/17	131.0	0.20 U	10.0 U	183.0000	--	--	344.0	0.2000 U	0.20 U	0.05 U	155.0	5.99	--	--
9/17	126.0	0.20 U	10.0 U	183.0000	--	--	292.0	0.2000 U	0.20 U	0.05 U	210.0	6.10	--	--
4/18	137.0	0.20 U	10.6	202.0000	--	--	353.0	0.2000 U	0.20 U	0.05 U	62.0	6.00	--	--
9/18	121.0	0.20 U	10.8	186.0000	--	0.85	318.0	0.2000 U	0.20 U	0.05 U	32.0	5.97	--	--
4/19	150.0	0.10 U	18.3	228.0000	--	0.02	361.0 B	0.2000 U	--	--	51.3	5.95	6.08	--
7/19	167.0	0.10 U	24.7	244.0000	--	0.23	377.0 B	0.2000 U	--	--	199.9	5.89	2.88	--
3/20	152.0	0.10 U	15.7	238.0000	--	0.62	410.0	0.2000 U	--	--	-1.0	5.80	6.27	--
8/20	161.0	0.10 U	19.4	269.0000	--	0.76	428.0	0.2000 U	--	--	33.3	6.08	6.03	--
3/21	172.0	0.10 U	12.1	268.0000	--	0.09	401.0	0.0500 U	--	--	22.3	5.96	6.19	--

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										
9/01	--	--	--	--	--	--	--	--	2.600	--
3/02	--	--	--	--	--	--	--	--	7.600	--
6/03	--	--	--	--	--	--	0 U	--	26.300	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	1.70	--	--	368.0	--	--	2.090	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	4.00 U	--	--	552.0	--	--	1.160	--
4/11	--	--	4.00 U	--	--	456.0	--	--	0.443	--
9/11	--	--	4.00 U	--	--	492.0	--	--	--	--

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)
3/12	--	--	4.00 U	--	--	480.0	--	--	--	--
9/12	--	--	4.00 U	--	--	396.0	--	--	--	--
4/13	654.0	--	4.00 U	--	13.9	440.0	--	--	--	0.00
9/13	636.8	--	4.00 U	--	13.9	434.0	--	--	--	0.00
3/14	596.2	--	4.00 U	--	13.1	340.0	--	--	--	0.00
9/14	663.6	--	4.00 U	--	13.9	466.0	--	--	--	0.30
3/15	589.7	--	4.00 U	--	13.2	424.0	--	--	--	0.00
9/15	787.5	--	4.00 U	--	15.3	523.0	--	--	--	0.00
3/16	671.0	--	4.00 U	--	12.8	399.0	--	--	--	0.00
8/16	765.7	--	4.00 U	--	14.6	579.0	--	--	--	0.00
3/17	717.8	--	4.00 U	--	13.5	371.0	--	--	--	0.00
9/17	766.2	--	4.00 U	--	14.8	600.0	--	--	--	0.60
4/18	841.7	--	4.00 U	--	10.3	374.0	--	--	--	0.00
9/18	805.2	--	4.00 U	--	17.4	481.0	--	--	--	0.00
4/19	1183.0	990.0	1.70	--	14.7	710.0	--	2.6 U	0.788	2.20
7/19	941.0	1090.0	2.60	--	14.7	952.0	--	2.3 U	0.500 U	0.00
3/20	1246.0	1060.0	1.63	--	12.3	782.0	--	6.0	1.820	0.30
8/20	1064.0	1180.0	1.52	--	19.4	659.0	--	18.5	1.530	4.80
3/21	1013.0	1180.0	0.30 U	--	14.1	615.0	--	11.3	0.972	2.24

Gude Landfill
Monitoring Location OB10 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
4/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01 U	1.2	0.005 U	0.01 U	9.3	0.005 U	0.01 U	0.091
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	3.1	0.005 U	0.01 U	18.8	0.005 U	0.01 U	0.008
9/12	0.01	3.5	0.006	0.01 U	21.3	0.005 U	0.01 U	0.008
4/13	0.01	3.4	0.005 U	0.01 U	22.7	0.005 U	0.01 U	0.007
9/13	0.01	3.1	0.005 U	0.01 U	20.1	0.005 U	0.01 U	0.008
3/14	0.01	3.0	0.005 U	0.01 U	18.4	0.005 U	0.01 U	0.006
9/14	0.01	3.2	0.005 U	0.01 U	19.8	0.005 U	0.01 U	0.009
3/15	0.01 J	3.5	0.035 U	0.01 U	21.0	0.002 U	0.01 U	0.010 U
9/15	0.01	3.6	0.005 J	0.00 U	23.0	0.001 U	0.01 U	0.003 J
3/16	0.01	3.1	0.004	0.00 U	20.7	0.001 U	0.00 U	0.002 J
8/16	0.01	3.4	0.005	0.00 U	23.0	0.001 U	0.00 U	0.003
3/17	0.01	3.3	0.005	0.00 U	22.1	0.001 U	0.00 U	0.004
9/17	0.01	3.2	0.004	0.00 U	22.2	0.001 U	0.00 U	0.004
4/18	0.01	3.4	0.006	0.00 U	22.4	0.001 U	0.00 U	0.007
9/18	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 6/22/21

	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
9/01	0.0020 U	0.0020 U	0.0567	0.0017 U	--	0.0020 U	--	0.0012 U	0.0044	0.0086	--	0.02470
3/02	0.0005 U	0.0020 U	0.0506	0.0017 U	--	0.0034	--	0.0012 U	0.0023	0.0119	--	0.00630
6/03	0.0007 U	0.0020 U	0.0434	0.0004 U	--	0.0020 U	--	0.0020 U	0.0029	0.0161	--	0.00210
10/03	0.0009 U	0.0008 U	0.0413	0.0016 U	--	0.0007 U	--	0.0005 U	0.0027	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.0436	0.0016 U	--	0.0020 U	--	0.0005 U	0.0036	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0020 U	0.0425	0.0012 U	--	0.0020 U	--	0.0020 U	0.0035	0.0132	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0375	0.0012 U	--	0.0020 U	--	0.0007 U	0.0026	0.0100 U	--	0.00200 U
9/05	0.0028 U	0.0020 U	0.0379	0.0012 U	--	0.0020 U	--	0.0007 U	0.0029	0.0100 U	--	0.00200 U
4/06	0.0006 U	0.0006 U	0.0300	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0080	--	0.00200 U
9/06	0.0007 U	0.0040	0.0778	0.0009 U	--	0.0020 U	--	0.0020 U	0.0035	0.0083	--	0.00210
4/07	0.0007 U	0.0008 U	0.0366	0.0009 U	0.020 U	--	--	0.0007 U	0.0020 U	0.0079	--	0.00200 U
10/07	0.0007 U	0.0008 U	0.0491	0.0009 U	0.020 U	--	--	0.0020 U	0.0041	0.0082	--	0.00310
3/08	0.0005 U	0.0006 U	0.0321	0.0010 U	0.005 U	--	--	0.0020 U	0.0022	0.0041	--	0.00200 U
3/09	0.0020 U	0.0020 U	0.0401	0.0012 U	0.010 U	--	--	0.0007 U	0.0020 U	0.0063	--	0.00200 U
9/09	0.0020 U	0.0020 U	0.0468	0.0020 U	--	0.0020 U	38.60	0.0020 U	0.0029	0.0060	0.5980	0.00200 U
7/10	0.0010 U	0.0015	0.0530	0.0010 U	--	0.0010 U	--	0.0008 U	0.0067	0.0016	--	0.00140
9/10	0.0050 U	0.0050 U	0.0553	0.0050 U	--	0.0050 U	43.40	0.0050 U	0.0059	0.0057	1.2800	0.00500 U
4/11	0.0050 U	0.0050 U	0.0531	0.0050 U	--	0.0050 U	39.80 J	0.0050 U	0.0050 U	0.0050 U	0.7830	0.00500 U
9/11	0.0050 U	0.0050 U	0.0534	0.0050 U	--	0.0050 U	45.80	0.0050 U	0.0050 U	0.0050 U	1.1200	0.00500 U
3/12	0.0050 U	0.0050 U	0.0569	0.0050 U	--	0.0050 U	48.10	0.0050 U	0.0052	0.0050 U	0.9750	0.00500 U
9/12	0.0050 U	0.0050 U	0.0573	0.0050 U	--	0.0050 U	50.10	0.0050 U	0.0081	0.0050 U	1.6300	0.00500 U

Gude Landfill
Monitoring Location OB10 - Total Metals

Printed 6/22/21

	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)
4/13	0.0050 U	0.0050 U	0.0562	0.0050 U	--	0.0050 U	45.00	0.0050 U	0.0067	0.0109	1.1400	0.00500 U
9/13	0.0050 U	0.0050 U	0.0763	0.0050 U	--	0.0050 U	55.80	0.0050 U	0.0084	0.0050 U	1.7500	0.00500 U
3/14	0.0050 U	0.0050 U	0.0622	0.0050 U	--	0.0050 U	53.30	0.0050 U	0.0062	0.0050 U	1.1400	0.00500 U
9/14	0.0050 U	0.0050 U	0.0699	0.0050 U	--	0.0050 U	56.60	0.0050 U	0.0078	0.0050 U	1.5800	0.00500 U
3/15	0.0020 U	0.0020 U	0.0470	0.0020 U	--	0.0040 U	62.00	0.0100 U	0.0053 U	0.0100 U	0.4000	0.00200 U
9/15	0.0010 U	0.0023	0.0640	0.0010 U	--	0.0005 U	67.00	0.0050 U	0.0091	0.0050 U	1.3000	0.00100 U
3/16	0.0020 U	0.0020 U	0.0591	0.0020 U	--	0.0020 U	59.70	0.0020 U	0.0055	0.0020 U	0.9710	0.00200 U
8/16	0.0020 U	0.0020 U	0.0769	0.0020 U	--	0.0020 U	64.30	0.0020 U	0.0090	0.0020 U	1.4500	0.00200 U
3/17	0.0020 U	0.0022	0.1020	0.0020 U	--	0.0020 U	62.60	0.0023	0.0122	0.0020 U	1.3300	0.00200 U
9/17	0.0020 U	0.0020 U	0.1000	0.0020 U	--	0.0020 U	69.00	0.0030	0.0093	0.0020 U	1.3300	0.00200 U
4/18	0.0020 U	0.0028	0.0566	0.0020 U	--	0.0020 U	78.10	0.0032	0.0053	0.0031	0.4980	0.00200 U
9/18	0.0020 U	0.0026	0.0799	0.0020 U	--	0.0020 U	71.00	0.0020 U	0.0100	0.0040	0.6130	0.00200 U
4/19	0.0010 U	0.0010 U	0.1200	0.0010 U	--	0.0010 U	64.50	0.0010 U	0.0218	0.0010 U	1.6100	0.00100 U
7/19	0.0010 U	0.0010 U	0.1350	0.0010 U	--	0.0010 U	69.80 B	0.0011	0.0266	0.0016	2.8000	0.00100 U
3/20	0.0010 U	0.0010 U	0.1390	0.0010 U	--	0.0010 U	76.20	0.0015	0.0258	0.0010 U	2.0600	0.00109
8/20	0.0010 U	0.0010 U	0.1430	0.0010 U	--	0.0010 U	76.80	0.0011	0.0287	0.0014	2.5600	0.00100 U
3/21	0.0010 U	0.0010	0.0770	0.0010 U	--	0.0010 U	81.40	0.0013	0.0117	0.0022	1.2800	0.00133

Gude Landfill
Monitoring Location OB10 - Total Metals

Printed 6/22/21

	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			
9/01	--	2.59000	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
3/02	--	2.32200	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
6/03	--	2.19600	0.000200 U	0.0049	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U	--
10/03	--	2.03000	0.000200 U	0.0049	--	0.00070 U	0.0022 U	--	0.0004 U	0.0003 U	0.00040 U	--
3/04	--	20.38000	0.000200 U	0.0056	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00040 U	--
9/04	--	2.24800	0.000100 U	0.0074	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U	--
4/05	--	1.91940	0.000100 U	0.0048	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U	--
9/05	--	2.04000	0.000100 U	0.0051	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U	--
4/06	--	0.00200 U	0.000100 U	0.0056	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	2.37600	0.000200 U	0.0080	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000200 U	0.0057	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.02300
10/07	--	--	0.000200 U	0.0066	--	0.00200 U	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U	0.01980
3/08	--	--	0.000200 U	0.0049	--	0.00200 U	0.0001 U	--	0.0001 U	0.0500 U	0.00200 U	0.00870
3/09	--	--	0.000200 U	0.0049	--	0.00200 U	0.0009 U	--	0.0002 U	0.0011 U	0.00080 U	0.01070
9/09	19.400	2.63000	0.000200 U	0.0079	2.810	0.00200 U	0.0020 U	19.00	0.0020 U	--	0.00200 U	0.01000 U
7/10	--	--	0.000200 U	0.0072	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01400
9/10	24.000	3.47000	0.000200 U	0.0079	2.650	0.00500 U	0.0050 U	20.30	0.0050 U	--	0.00500 U	0.00595
4/11	24.900 J	2.68000	0.000200 U	0.0063	3.280	0.00500 U	0.0050 U	18.40 J	0.0050 U	--	0.00500 U	0.00573
9/11	27.800	3.03000	0.000200 U	--	3.000	0.00500 U	0.0050 U	19.60	0.0050 U	--	0.00500 U	0.00698
3/12	25.800	3.15000	0.000200 U	0.0081	3.020	0.00500 U	0.0050 U	18.20	0.0050 U	--	0.00500 U	0.00662
9/12	28.100	4.31000	0.000200 U	0.0120	3.320	0.00500 U	0.0050 U	18.30	0.0050 U	--	0.00500 U	0.00705

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB10 - Total Metals

Printed 6/22/21

	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)
4/13	25.100	3.66000	0.000200 U	0.0112	3.440	0.00500 U	0.0050 U	19.80	0.0050 U	--	0.00500 U	0.00562
9/13	34.400	5.20000	0.000200 U	0.0119	2.980	0.00500 U	0.0050 U	20.80	0.0050 U	--	0.00500 U	0.00811
3/14	30.300	3.96000	0.000200 U	0.0083	3.090	0.00500 U	0.0050 U	19.60	0.0050 U	--	0.00500 U	0.00671
9/14	32.500	5.01000	0.000200 U	0.0101	3.290	0.00500 U	0.0050 U	21.00	0.0050 U	--	0.00500 U	0.00864
3/15	34.000	3.70000	0.000200 U	0.0110	3.400	0.03500 U	0.0100 U	21.00	0.0020 U	--	0.01000 U	0.01000 U
9/15	40.000	5.80000	0.000200 U	0.0100 U	3.600	0.00700	0.0010 U	23.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	33.700	4.68000	0.000200 U	0.0082	3.420	0.00400	0.0020 U	20.40	0.0010 U	--	0.00200 U	0.00209
8/16	36.200	6.57000	0.000200 U	0.0111	3.130	0.00410	0.0020 U	21.50	0.0010 U	--	0.00200 U	0.00222
3/17	34.900	7.72000	0.000200 U	0.0143	3.240	0.00583	0.0020 U	21.90	0.0010 U	--	0.00200 U	0.00366
9/17	36.400	6.60000	0.000200 U	0.0124	3.200	0.00357	0.0020 U	22.10	0.0010 U	--	0.00200 U	0.00404
4/18	38.300	3.45000	0.000200 U	0.0095	3.460	0.00645	0.0020 U	22.60	0.0010 U	--	0.00200 U	0.00889
9/18	34.100	5.57000	0.000200 U	0.0132	3.280	0.00557	0.0020 U	21.20	0.0010 U	--	0.00200 U	0.01560
4/19	48.500	14.40000	0.000100 U	0.0225	3.680	0.00100 U	0.0010 U	27.50	0.0010 U	--	0.00100 U	0.00543
7/19	49.200	14.90000	0.000100 U	0.0260	3.780	0.00100 U	0.0010 U	26.90 B	0.0010 U	--	0.00100 U	0.00730
3/20	53.300	14.80000	0.000100 U	0.0287	4.320	0.00100 U	0.0010 U	29.90	0.0010 U	--	0.00100 U	0.00400 U
8/20	57.400	15.30000	0.000100 U	0.0294	4.500	0.00100 U	0.0010 U	32.30	0.0010 U	--	0.00100 U	0.00588
3/21	48.000	7.42000	0.000118	0.0116	3.950	0.00100 U	0.0010 U	26.70	0.0010 U	--	0.00100 U	0.00779

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
9/01	0.18 U	0.15 U	0.23 U	1.00 U	4.99	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	3.03	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	1.00 U	3.20	1.00 U	1.00 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	2.03	0.19 U	10.00 U
6/03	1.00 U	1.00 U	1.58	1.00 U	3.18	1.00 U	1.00 U	1.30	5.71	1.00 U	10.00 U	1.00 U	1.88	1.00 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	2.23	1.00 U	1.00 U	0.21 U	1.00 U	0.20 U	1.00 U	1.00 U	1.52	0.19 U	1.20
3/04	0.18 U	0.15 U	0.23 U	0.22 U	3.88	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	0.19 U	1.00 U	2.16	0.19 U	1.28
9/04	0.13 U	0.24 U	0.44 U	0.25 U	3.70	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	3.11	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	1.99	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	2.01	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	2.99	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	2.36	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	1.08	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	11.00 U	0.27 U	0.34 U	0.33 U	11.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	2.20	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.48	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	4.99	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	4.46	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	1.04	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	1.55	0.20 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	3.49	1.00 U	1.00 U	0.49 J	1.00 U	1.00 U	1.23	0.56 J	2.53	1.00 U	4.84
7/10	1.00 U	1.00 U	1.00 U	1.00 U	6.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.00
9/10	2.00 U	2.00 U	2.00 U	2.00 U	5.60	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.64 J	2.65	2.00 U	5.54
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
3/12	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	0.32	1.00 U	2.80	--	5.00
9/12	1.00 U	1.00 U	1.00 U	1.00 U	4.06	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.09
4/13	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	1.02	1.43	5.86	1.00 U	12.90
9/13	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	2.36	1.00 U	9.31
3/14	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	2.69	1.00 U	7.07
9/14	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	3.25	1.00 U	8.74
3/15	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	2.86	1.00 U	6.93
9/15	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	1.01	4.26	1.00 U	10.40
3/16	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	3.31	1.00 U	8.46
8/16	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	3.19	1.00 U	9.39
3/17	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	2.90	1.00 U	8.88
9/17	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	2.53	1.00 U	7.57
4/18	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	2.90	1.00 U	7.41
9/18	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	1.60	1.00 U	5.37
4/19	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.00 U	9.50
7/19	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U	11.10
3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U	9.80
8/20	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	2.90	1.00 U	11.30
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	2.10	1.00 U	10.70

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/01	0.11 U	--	0.18 U	--	1.00 U	--	3.10	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	1.00 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	1.00 U	--	1.95	0.20 U	1.00 U	1.00 U	0.15 U	1.75	1.00 U	1.00 U	1.00 U
10/03	0.11 U	0.11	0.18 U	--	0.15 U	--	1.18	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	1.00 U	0.20 U
3/04	0.11 U	3.43	1.00 U	--	0.15 U	--	1.77	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.00 U	--	0.39 U	--	2.14	0.34 U	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.87	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	1.00 U	1.00 U	--	0.39 U	--	2.86	0.34 U	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	1.01	0.31 U
3/08	0.50 U	--	--	--	--	--	0.73	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.10 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.67	1.00 U	1.72	1.00 U	1.00 U	1.00 U	0.36 J	2.50 U	1.00 U	0.94 J	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	2.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.04	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.98 J	0.68 J
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.49	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.16	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.20	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.76	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.26	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.77	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.89	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.25	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.43	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.46	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.23	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.18	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.57	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.99	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.26	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.74	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.12	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.95	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.10	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.27	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.26	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.40	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.90	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.40	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.40	1.00 U

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
9/01	0.23 U	0.21 U	85.97	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	21.95	0.27 U	0.21 U	9.01
3/02	0.23 U	0.21 U	35.90	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	12.02
6/03	1.00 U	0.21 U	22.43	1.00 U	1.00 U	1.00 U	2.84	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	9.45
10/03	0.23 U	0.21 U	18.60	0.19 U	0.17 U	0.26 U	1.00 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U
3/04	0.23 U	0.21 U	22.58	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	6.03
9/04	0.27 U	0.25 U	22.03	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
4/05	0.27 U	0.25 U	10.04	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	2.28
9/05	0.27 U	0.25 U	21.18	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U
4/06	0.27 U	0.25 U	4.81	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U
9/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U
4/07	0.27 U	0.25 U	13.70	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	2.47
10/07	0.27 U	0.25 U	34.09	0.29 U	0.27 U	1.00 U	0.40 U	0.28 U	--	0.25 U	0.34 U	1.00 U	1.00 U	1.00 U
3/08	0.21 U	0.15 U	20.83	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U
3/09	0.12 U	0.20 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U
9/09	1.00 U	1.00 U	17.90	1.00 U	1.00 U	0.39 J	0.83 J	1.00 U	0.40 J	1.00 U	1.00 U	0.34 J	0.28 J	1.03
7/10	1.00 U	1.00 U	29.00	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	4.00
9/10	2.00 U	2.00 U	24.00	2.00 U	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	1.95 J
4/11	1.00 U	6.20	9.60	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	2.30

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
3/12	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	--	1.00 U	1.80
9/12	1.00 U	1.00 U	25.60	1.00 U	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
4/13	1.00 U	1.00 U	51.20	1.00 U	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	3.43
9/13	1.00 U	1.00 U	33.90	1.00 U	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
3/14	1.00 U	1.00 U	29.00	1.00 U	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	1.75
9/14	1.00 U	1.00 U	36.70	1.00 U	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	1.88
3/15	1.00 U	1.00 U	30.80	1.00 U	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	1.26
9/15	1.00 U	1.00 U	46.10	1.00 U	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
3/16	1.00 U	1.00 U	38.80	1.00 U	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
8/16	1.00 U	1.00 U	39.00	1.00 U	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
3/17	1.00 U	1.00 U	37.60	1.00 U	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
9/17	1.00 U	1.00 U	31.30	1.00 U	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
4/18	1.00 U	1.00 U	31.60	1.00 U	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
9/18	1.00 U	1.00 U	18.90	1.00 U	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
4/19	1.00 U	1.00 U	36.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	42.20	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
3/20	1.00 U	1.00 U	32.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	1.00 U	40.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	25.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	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	1000	100			5			2	10000
9/01	1.00 U	2.19	0.13 U	0.14 U	50.56	1.00 U	--	--	0.27 U
3/02	0.24 U	1.00 U	0.13 U	0.14 U	25.98	1.00 U	--	--	0.27 U
6/03	1.00 U	1.79	0.13 U	1.00 U	14.45	1.00 U	--	--	2.84
10/03	1.00 U	1.00	0.13 U	0.14 U	19.73	0.18 U	--	2.13	0.27 U
3/04	0.24 U	0.22 U	0.13 U	1.00 U	15.42	1.00 U	--	5.87	0.27 U
9/04	0.32 U	1.80	0.24 U	0.30 U	33.16	1.00 U	--	9.43	0.18 U
4/05	0.32 U	1.07	0.24 U	1.00 U	15.67	0.36 U	--	5.66	0.18 U
9/05	0.32 U	1.96	0.24 U	0.30 U	23.54	0.36 U	--	9.35	0.18 U
4/06	0.32 U	0.45 U	0.24 U	0.30 U	8.76	0.36 U	--	0.32 U	0.18 U
9/06	0.32 U	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/07	0.32 U	1.00 U	0.24 U	0.30 U	10.60	0.36 U	--	2.43	0.18 U
10/07	1.00 U	5.04	0.24 U	0.30 U	28.64	0.36 U	--	16.03	1.00 U
3/08	0.28 U	1.12	0.08 U	--	1.31	0.07 U	--	2.15	0.22 U
3/09	0.12 U	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	0.11 U
9/09	0.27 U	2.39	1.00 U	1.00 U	13.30	1.00 U	--	6.07	1.17 U
7/10	1.00 U	4.00	1.00 U	5.00 U	16.00	1.00 U	1.00 U	7.00	1.00 U
9/10	2.00 U	3.94	2.00 U	2.00 U	13.40	2.00 U	2.00 U	11.70	2.00 U
4/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	3.90	1.00 U	5.00 U	11.00	1.00 U	1.00 U	17.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB10 - Volatile Organic Compounds

Printed 6/22/21

	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	1.00 U	1.00 U	1.00 U	5.00 U	12.00	1.00 U	1.00 U	9.00	1.00 U
9/12	1.00 U	1.00 U	1.00 U	5.00 U	14.40	1.00 U	5.00 U	12.50	1.00 U
4/13	1.00 U	5.16	1.00 U	5.00 U	25.40	1.00 U	5.00 U	26.60	1.00 U
9/13	1.00 U	2.22	1.00 U	5.00 U	17.90	1.00 U	5.00 U	14.40	1.00 U
3/14	1.00 U	2.61	1.00 U	5.00 U	12.60	1.00 U	5.00 U	15.20	1.00 U
9/14	1.00 U	3.11	1.00 U	5.00 U	13.10	1.00 U	5.00 U	19.20	1.00 U
3/15	1.00 U	2.61	1.00 U	5.00 U	10.00	1.00 U	5.00 U	17.10	1.00 U
9/15	1.00 U	3.05	1.00 U	5.00 U	15.60	1.00 U	5.00 U	23.50	1.00 U
3/16	1.00 U	2.43	1.00 U	5.00 U	11.90	1.00 U	5.00 U	18.20	1.00 U
8/16	1.00 U	2.39	1.00 U	5.00 U	10.20	1.00 U	5.00 U	18.10	1.00 U
3/17	1.00 U	2.17	1.00 U	5.00 U	8.95	1.00 U	5.00 U	15.40	1.00 U
9/17	1.00 U	1.87	1.00 U	5.00 U	6.50	1.00 U	5.00 U	13.20	1.00 U
4/18	1.00 U	2.32	1.00 U	5.00 U	4.26	1.00 U	5.00 U	16.30	1.00 U
9/18	1.00 U	1.31	1.00 U	5.00 U	3.17	1.00 U	5.00 U	10.50	1.00 U
4/19	1.00 U	2.20	1.00 U	1.00 U	5.80	1.00 U	1.00 U	20.90	1.00 U
7/19	1.00 U	2.90	1.00 U	1.00 U	6.00	1.00 U	1.00 U	28.10	1.00 U
3/20	1.00 U	1.80	1.00 U	1.00 U	3.10	1.00 U	1.00 U	19.20	1.00 U
8/20	1.00 U	2.30	1.00 U	1.00 U	2.50	1.00 U	1.00 U	27.30	1.00 U
3/21	1.00 U	1.90	1.00 U	1.00 U	2.20	1.00 U	1.00 U	27.80	1.00 U

Gude Landfill
Monitoring Location OB11 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	94.6452	0.001 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	96.8634	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	107.3320	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	41.4197	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	156.2980	0.002 U	--	--	--	--	--	--	--	--	0.018
10/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.017
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.047
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.020
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.044
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.048
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	201.0	0.20 U	27.5	330.0000	--	--	550.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Gude Landfill
Monitoring Location OB11 - General Parameters

Printed 6/22/21

	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)
9/10	200.0	0.20 U	29.0	358.0000	--	--	600.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	211.0	0.20 U	32.5	259.0000	--	--	563.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	215.0	0.20 U	22.4	371.0000	--	--	581.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	217.0	0.20 U	32.8	407.0000	--	--	596.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	219.0	0.20 U	24.0	398.0000	--	--	592.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	221.0	0.20 U	37.8	397.0000	--	0.04	576.0	0.2000 U	0.20 U	0.05 U	385.0	5.81	--	--
9/13	228.0	0.20 U	22.5	392.0000	--	0.03	606.0	0.2000 U	0.20 U	0.05 U	327.0	5.41	--	--
9/13	--	--	--	--	--	1.30	480.0	--	--	--	-22.5	6.00	--	--
9/13	--	--	--	--	--	0.23	580.0	--	--	--	210.9	5.55	--	--
3/14	223.0	0.20 U	31.6	398.0000	--	0.02	612.0	0.2000 U	--	--	348.0	5.47	--	--
9/14	283.0	0.20 U	37.5	417.0000	--	1.80	606.0	0.2000 U	0.20 U	0.05 U	328.0	5.77	--	--
3/15	202.0	0.20 U	29.3	394.0000	--	1.00	650.0	0.2000 U	0.20 U	0.05 U	347.0	6.16	--	--
9/15	218.0	0.20 U	25.3	426.0000	--	--	650.0	0.2000 U	0.20 U	0.05 U	323.0	5.67	--	--
3/16	214.0	0.20 U	30.4	438.0000	--	0.00	650.0	0.2000 U	0.20 U	0.05 U	391.0	5.73	--	--
8/16	228.0	0.20 U	30.3	424.0000	--	--	72.0	0.2000 U	0.20 U	0.05 U	295.0	5.46	--	--
3/17	240.0	0.20 U	25.3	436.0000	--	--	700.0	0.2000 U	0.20 U	0.05 U	355.0	5.68	--	--
9/17	241.0	0.20 U	28.0	445.0000	--	0.10	640.0	0.2000 U	0.20 U	0.05 U	381.0	5.73	--	--
3/18	249.0	0.20 U	41.8	432.0000	--	--	720.0	0.2000 U	0.20 U	0.05 U	201.0	5.55	--	--
9/18	247.0	0.20 U	32.2	467.0000	--	--	692.0	0.2000 U	0.20 U	0.05 U	195.0	5.71	--	--
4/19	255.0	0.10 U	34.0	458.0000	--	0.10	751.0 B	0.5000	--	--	159.4	5.63	5.50	--
7/19	252.0	0.10 U	38.4	453.0000	--	0.22	615.0 B	0.7000	--	--	200.0	5.61	5.14	--
3/20	256.0	0.10 U	36.4	438.0000	--	0.62	780.0	0.2000 U	--	--	71.2	5.79	5.86	--

Gude Landfill
Monitoring Location OB11 - General Parameters

Printed 6/22/21

	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)
7/20	250.0	0.10 U	42.4	429.0000	--	0.53	668.0	1.0300	--	--	179.4	5.73	5.81	--
3/21	287.0	0.10 U	31.4	468.0000	--	0.07	660.0	0.0500 U	--	--	161.3	5.65	5.79	--

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										
4/01	--	--	--	--	--	--	--	--	0.100	--
9/01	--	--	--	--	--	--	--	--	1.500	--
3/02	--	--	--	--	--	--	--	--	3.660	--
9/02	--	--	--	--	--	--	--	--	2.500	--
6/03	--	--	--	--	--	--	0	--	1.600	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	8.96	--	--	1208.0	--	--	1.160	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

Gude Landfill
Monitoring Location OB11 - General Parameters

Printed 6/22/21

	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)
9/10	--	--	9.53	--	--	1416.0	--	--	5.750	--
4/11	--	--	9.48	--	--	1116.0	--	--	0.733	--
9/11	--	--	10.20	--	--	1036.0	--	--	--	--
3/12	--	--	11.20	--	--	1404.0	--	--	--	--
9/12	--	--	10.30	--	--	1212.0	--	--	--	--
3/13	1.8	--	10.50	--	16.2	1018.0	--	--	--	0.00
9/13	1539.0	--	12.20	--	17.2	1122.0	--	--	--	0.00
9/13	1.0	--	--	--	17.0	--	--	--	2.800	3.42
9/13	1.5	--	--	--	14.4	--	--	--	0.410	7.50
3/14	1526.0	--	11.90	--	16.5	1060.0	--	--	--	1.51
9/14	1627.0	--	11.70	--	17.0	1074.0	--	--	--	0.30
3/15	1352.0	--	10.70	--	15.5	920.0	--	--	--	0.00
9/15	1611.0	--	9.58	--	17.9	983.0	--	--	--	1.91
3/16	1538.0	--	11.40	--	14.1	960.0	--	--	--	7.20
8/16	1637.0	--	12.90	--	17.0	982.0	--	--	--	0.00
3/17	1599.0	--	12.70	--	16.1	799.0	--	--	--	0.00
9/17	1835.0	--	11.20	--	18.2	1160.0	--	--	--	6.30
3/18	1676.0	--	12.80	--	16.8	999.0	--	--	--	0.00
9/18	1752.0	--	12.10	--	20.5	1020.0	--	--	--	1.80
4/19	2199.0	1830.0	12.60	--	15.8	1440.0	--	2.6 U	0.500 U	1.80
7/19	1680.0	1820.0	22.20	--	17.4	1390.0	--	4.0 U	0.500 U	0.00
3/20	1689.0	1840.0	12.40	--	14.8	1090.0	--	4.0	1.200	0.50

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - General Parameters

Printed 6/22/21

	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)
7/20	1614.0	1900.0	11.70	--	18.2	1020.0	--	5.0 J	0.500 U	0.50
3/21	1784.0	1980.0	12.20	--	16.5	1070.0	--	13.7	3.630	4.95

Gude Landfill
Monitoring Location OB11 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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

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		
4/11	0.03	4.8	0.006	0.01 U	63.4	0.005 U	0.01 U	0.045
9/11	0.03	--	--	--	--	--	--	--
3/12	0.03	5.2	0.005 U	0.01 U	68.3	0.005 U	0.01 U	0.043
9/12	0.04	5.7	0.006	0.01 U	72.0	0.005 U	0.01 U	0.043
3/13	0.04	5.5	0.007	0.01 U	76.0	0.005 U	0.01 U	0.045
9/13	0.03	4.9	0.006	0.01 U	72.6	0.005 U	0.01 U	0.043
9/13	0.03	--	--	--	--	--	--	--
9/13	0.03	--	--	--	--	--	--	--
3/14	0.03	5.0	0.006	0.01 U	70.9	0.005 U	0.01 U	0.043
9/14	0.04	4.8	0.007	0.01 U	79.7	0.005 U	0.01 U	0.041
3/15	0.04	5.5	0.006 U	0.01 U	85.0	0.002 U	0.01 U	0.043
9/15	0.04	5.6	0.010	0.00 U	80.0	0.001 U	0.01 U	0.043
3/16	0.03	4.6	0.007	0.00 U	79.4	0.001 U	0.00 U	0.036
8/16	0.03	5.0	0.007	0.00 U	84.5	0.001 U	0.00 U	0.036
3/17	0.04	4.6	0.008	0.00 U	87.1	0.001 U	0.00	0.041
9/17	0.03	4.5	0.005	0.00 U	89.4	0.001 U	0.00 U	0.037
3/18	0.03	4.8	0.010	0.00 U	93.0	0.001 U	0.00	0.038
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.0154	0.0005 U	--	0.0049	--	0.0020 U	0.0007 U	0.0151	--	0.00130 U
9/01	0.0020 U	0.0020 U	0.0199	0.0017 U	--	0.0059	--	0.0020 U	0.0020 U	0.0061	--	0.00200 U
3/02	0.0005 U	0.0020 U	0.0209	0.0017 U	--	0.0074	--	0.0020 U	0.0004 U	0.0090	--	0.00220
9/02	0.0007 U	0.0020 U	0.0435	0.0004 U	--	0.0020 U	--	0.0020	0.0027	0.0122	--	0.00200 U
6/03	0.0007 U	0.0020 U	0.0266	0.0004 U	--	0.0054	--	0.0020 U	0.0020 U	0.0213	--	0.00200 U
10/03	0.0009 U	0.0020 U	0.0334	0.0016 U	--	0.0051	--	0.0020 U	0.0025	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0020 U	0.2086	0.0016 U	--	0.0034	--	0.0020 U	0.0613	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0020 U	0.0803	0.0012 U	--	0.0081	--	0.0023	0.0027	0.0135	--	0.00740
4/05	0.0028 U	0.0055	0.1537	0.0012 U	--	0.0036	--	0.0007 U	0.0452	0.0164	--	0.00280
9/05	0.0028 U	0.0020 U	0.0559	0.0012 U	--	0.0023	--	0.0020 U	0.0020 U	0.0112	--	0.00260
4/06	0.0006 U	0.0020 U	0.0535	0.0007 U	--	0.0056	--	0.0020 U	0.0020 U	0.0090	--	0.00230
9/06	0.0007 U	0.0020 U	0.0229	0.0009 U	--	0.0099	--	0.0027	0.0020 U	0.0091	--	0.00200 U
4/07	0.0007 U	0.0021	0.0258	0.0009 U	0.322	--	--	0.0020 U	0.0020 U	0.0083	--	0.00200 U
10/07	0.0007 U	0.0020 U	0.0320	0.0009 U	0.236	--	--	0.0037	0.0036	0.0069	--	0.00070 U
3/08	0.0005 U	0.0024	0.0267	0.0010 U	0.400 U	--	--	0.0020 U	0.0020 U	0.0063	--	0.00200 U
9/08	0.0010 U	0.0040 U	0.0331	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0062	--	0.00200 U
3/09	0.0010 U	0.0100 U	0.0286	0.0012 U	0.348	--	--	0.0100 U	0.0100 U	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0020 U	0.0272	0.0020 U	--	0.0088	126.00	0.0020 U	0.0019 J	0.0083	0.4540	0.00200 U
7/10	0.0010 U	0.0013	0.0220	0.0010 U	--	0.0100	--	0.0019	0.0018	0.0045	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0261	0.0050 U	--	0.0090	133.00	0.0050 U	0.0050 U	0.0112	1.2200	0.00500 U
4/11	0.0050 U	0.0050 U	0.0301	0.0050 U	--	0.0100	134.00 J	0.0050 U	0.0050 U	0.0078	1.2700	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.0292	0.0050 U	--	0.0101	132.30	0.0050 U	0.0050 U	0.0064	0.7380	0.00500 U
3/12	0.0050 U	0.0050 U	0.0295	0.0050 U	--	0.0104	132.00	0.0050 U	0.0050 U	0.0089	0.7260	0.00500 U
9/12	0.0050 U	0.0050 U	0.0282	0.0050 U	--	0.0104	133.00	0.0050 U	0.0050 U	0.0081	0.6560	0.00500 U
3/13	0.0050 U	0.0050 U	0.0299	0.0050 U	--	0.0110	132.00	0.0050 U	0.0050 U	0.0153	0.6740	0.00500 U
9/13	0.0050 U	0.0050 U	0.0289	0.0050 U	--	0.0103	135.00	0.0050 U	0.0050 U	0.0083	0.6380	0.00500 U
9/13	0.0050 U	0.0011	0.0500	0.0010 U	--	0.0028	100.00	0.0011	0.0026	0.0027	10.0000 U	0.00053 J
9/13	0.0050 U	0.0006 J	0.0220	0.0010 U	--	0.0098	120.00	0.0010 U	0.0015	0.0029	0.1000 U	0.00100 U
3/14	0.0050 U	0.0050 U	0.0329	0.0050 U	--	0.0109	117.00	0.0050 U	0.0050 U	0.0073	0.6410	0.00500 U
9/14	0.0050 U	0.0050 U	0.0323	0.0050 U	--	0.0110	138.00	0.0050 U	0.0050 U	0.0074	0.7410	0.00500 U
3/15	0.0020 U	0.0020	0.0230	0.0020 U	--	0.0120	130.00	0.0051 J	0.0100 U	0.0036 J	0.0050 U	0.00200 U
9/15	0.0010 U	0.0021	0.0240	0.0010 U	--	0.0110	140.00	0.0056	0.0050 U	0.0050 U	0.0050 U	0.00100 U
3/16	0.0020 U	0.0020 U	0.0254	0.0020 U	--	0.0112	132.00	0.0048	0.0020 U	0.0031	0.9920	0.00200 U
8/16	0.0020 U	0.0020 U	0.0257	0.0020 U	--	0.0107	130.00	0.0020 U	0.0020 U	0.0040	0.9690	0.00200 U
3/17	0.0020 U	0.0062	0.0266	0.0020 U	--	0.0128	138.00	0.0084	0.0021	0.0063	0.9110	0.00200 U
9/17	0.0050 U	0.0050 U	0.0310	0.0050 U	--	0.0137	145.00	0.0050 U	0.0050 U	0.0071	0.8980	0.00500 U
3/18	0.0020 U	0.0025	0.0247	0.0020 U	--	0.0136	146.00	0.0099	0.0020 U	0.0041	0.2000 U	0.00200 U
9/18	0.0020 U	0.0025	0.0255	0.0020 U	--	0.0125	148.00	0.0112	0.0020 U	0.0043	0.0500 U	0.00200 U
4/19	0.0010 U	0.0010 U	0.0267	0.0010 U	--	0.0141	145.00 B	0.0015	0.0018	0.0052	0.1000 U	0.00100 U
7/19	0.0010 U	0.0010 U	0.0281	0.0010 U	--	0.0118	120.00 B	0.0020	0.0020	0.0097	0.1120	0.00100 U
3/20	0.0010 U	0.0010 U	0.0297	0.0010 U	--	0.0126	145.00	0.0019	0.0019	0.0106	0.1030	0.00100 U
7/20	0.0010 U	0.0010 U	0.0303	0.0010 U	--	0.0117	124.00	0.0015	0.0019	0.0044	0.0526 J	0.00100 U
3/21	0.0010 U	0.0010 U	0.0262	0.0010 U	--	0.0127	124.00	0.0012	0.0023	0.0063	0.3180	0.00100 U

Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	0.20910	0.000300	0.0086	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U
9/01	--	0.38840	0.000200 U	0.0105	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
3/02	--	0.31650	0.000200	0.0114	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/02	--	2.25400	0.000100 U	0.0065	--	0.00280	0.0096 U	--	0.0010 U	0.0020 U	0.00030 U
6/03	--	0.26740	0.000200	0.0129	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
10/03	--	0.56590	0.000200	0.0137	--	0.00200 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
3/04	--	0.02000 U	0.000200 U	0.0354	--	0.00200 U	0.0022 U	--	0.0010 U	0.0003 U	0.00040 U
9/04	--	0.70360	0.000500	0.0167	--	0.00200 U	0.0018 U	--	0.0006 U	0.0020 U	0.00200 U
4/05	--	5.36500	0.000400	0.0382	--	0.00340	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
9/05	--	0.63130	0.000800	0.0176	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U
4/06	--	0.59760	0.001900	0.0178	--	0.00200	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U
9/06	--	0.88410	0.003000	0.0292	--	0.00200 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U
4/07	--	--	0.003100	0.0279	--	0.00360	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U
10/07	--	--	0.000700	0.0276	--	0.00430	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U
3/08	--	--	0.002200	0.0249	--	0.00290	0.0001 U	--	0.0001 U	0.0500 U	0.00200 U
9/08	--	--	0.000500	0.0207	--	0.00400 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.001900	0.0275	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U
9/09	60.100	0.86200	0.002200	0.0361	4.560	0.00490	0.0020 U	56.70	0.0020 U	--	0.00200 U
7/10	--	--	0.003500	0.0370	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U
9/10	67.900	0.88400	0.002540	0.0375	4.900	0.00780	0.0050 U	68.80	0.0050 U	--	0.00500 U
4/11	66.600	0.86900	0.001650	0.0331	4.820	0.00610	0.0050 U	67.90	0.0050 U	--	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 6/22/21

	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)
9/11	66.600	0.76800	0.001020	--	4.700	0.00568	0.0050 U	68.50	0.0050 U	--	0.00500 U
3/12	67.400	0.75800	0.000980	0.0326	5.130	0.00500 U	0.0050 U	68.00	0.0050 U	--	0.00500 U
9/12	64.400	0.85800	0.001180	0.0365	5.190	0.01100	0.0050 U	68.00	0.0050 U	--	0.00500 U
3/13	68.900	0.79300	0.001360	0.0361	5.450	0.00674	0.0050 U	75.80	0.0050 U	--	0.00500 U
9/13	67.000	0.76000	0.001061	0.0349	5.170	0.00545	0.0050 U	71.30	0.0050 U	--	0.00500 U
9/13	56.000	0.77000	0.002600	--	11.000	0.00100 U	0.0010 U	59.00	0.0010 U	--	0.00500 U
9/13	68.000	0.78000	0.002100	--	4.300	0.00100 U	0.0010 U	71.00	0.0010 U	--	0.00500 U
3/14	57.600	0.84500	0.002620	0.0320	4.980	0.00500 U	0.0050 U	62.00	0.0050 U	--	0.00500 U
9/14	70.200	0.85800	0.001412	0.0356	4.710	0.00680	0.0050 U	77.70	0.0050 U	--	0.00500 U
3/15	76.000	0.86000	0.002800	0.0400	5.300	0.00540 J	0.0100 U	77.00	0.0020 U	--	0.01000 U
9/15	73.000	0.89000	0.001900	0.0340	5.600	0.00820	0.0010 U	82.00	0.0010 U	--	0.00500 U
3/16	72.200	0.82900	0.001100	0.0308	4.650	0.00685	0.0020 U	78.20	0.0010 U	--	0.00200 U
8/16	71.800	0.94800	0.000806	0.0316	4.790	0.00593	0.0020 U	81.10	0.0010 U	--	0.00200 U
3/17	73.900	1.02000	0.000792	0.0406	4.580	0.00928	0.0020 U	85.70	0.0010 U	--	0.00358
9/17	80.600	1.13000	0.001303	0.0314	4.700	0.00500 U	0.0050 U	94.40	0.0050 U	--	0.00500 U
3/18	75.800	1.26000	0.000898	0.0329	4.580	0.01070	0.0020 U	91.40	0.0010 U	--	0.00200 U
9/18	78.000	1.27000	0.000942	0.0353	4.560	0.00684	0.0020 U	89.00	0.0010 U	--	0.00284
4/19	94.200	1.53000	0.004000	0.0352	5.170	0.00100 U	0.0010 U	115.00	0.0010 U	--	0.00100 U
7/19	76.600	1.35000	0.002730	0.0337	5.390	0.00100 U	0.0010 U	90.40 B	0.0010 U	--	0.00100 U
3/20	102.000	1.63000	0.003930	0.0346	5.610	0.00100 U	0.0010 U	99.70	0.0010 U	--	0.00100 U
7/20	87.200	1.39000	0.003530	0.0338	5.620	0.00100 U	0.0010 U	105.00	0.0010 U	--	0.00100 U
3/21	85.000	1.62000	0.004220	0.0321	4.870	0.00100 U	0.0012	99.40	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
4/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.03890
10/07	0.04000
3/08	0.04270
9/08	0.03800
3/09	0.05080
9/09	0.04320
7/10	0.05100
9/10	0.04260
4/11	0.04300

Gude Landfill
Monitoring Location OB11 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.04200
3/12	0.04530
9/12	0.04620
3/13	0.04420
9/13	0.04130
9/13	4.30000
9/13	0.04200
3/14	0.04410
9/14	0.04180
3/15	0.04400
9/15	0.04200
3/16	0.03620
8/16	0.03240
3/17	0.04140
9/17	0.05260
3/18	0.03810
9/18	0.04400
4/19	0.04690
7/19	0.04150
3/20	0.04500
7/20	0.04370
3/21	0.04310

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	9.03	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	1.00 U	1.25	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	19.25	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	2.44	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	1.50	15.45	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	2.38	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	1.48	13.80	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	2.14	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	19.59	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	0.19 U	1.11	3.37	0.19 U	1.21
3/04	0.18 U	0.15 U	0.23 U	0.22 U	36.31	1.01	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	2.56	5.13	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	16.58	1.00 U	0.35 U	0.40 U	1.56	0.28 U	10.00 U	1.07	3.74	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	12.43	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.40	3.92	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	17.06	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.28	3.41	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	13.27	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.38	3.47	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	15.90	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	3.81	8.11	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	29.18	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	7.99	0.33 U	10.18
10/07	0.13 U	0.24 U	0.44 U	0.25 U	29.33	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	5.36	8.27	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	11.14	0.50 U	0.26 U	0.14 U	0.24 U	0.16 U	1.03	3.16	4.67	0.20 U	2.46
9/08	0.12 U	0.17 U	0.14 U	1.52	23.00	0.50 U	0.13 U	0.17 U	0.20 U	0.08 U	1.55	3.68	6.31	0.13 U	6.43
3/09	0.12 U	0.17 U	0.14 U	0.17 U	31.01	0.89	0.13 U	0.17 U	0.20 U	0.08 U	--	4.66	8.28	0.13 U	--
9/09	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	2.61	4.72	8.15	1.00 U	14.60
7/10	1.00 U	1.00 U	1.00 U	1.00 U	34.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	3.00	4.00	8.00	1.00 U	14.00

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2,3-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)	1,4-Dichlorobenzene (ug/L)
9/10	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	1.51 J	3.94	6.10	2.00 U	9.85
4/11	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	3.90	2.80	5.10	--	1.00 U
9/11	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	1.00 U	1.00 U	7.20	--	1.00 U
3/12	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	3.00	1.00 U	6.30	--	17.00
9/12	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	1.00 U	1.00 U	14.80
3/13	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	2.69	3.66	6.13	1.00 U	14.90
9/13	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	1.41	3.57	6.50	1.00 U	13.70
3/14	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	--	3.64	6.26	1.00 U	16.90
9/14	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
3/15	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	2.86	3.07	5.57	1.00 U	16.80
9/15	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	2.89	3.42	5.53	1.00 U	16.30
3/16	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	3.11	3.16	5.67	1.00 U	18.60
8/16	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	2.85	2.91	4.83	1.00 U	18.00
3/17	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	3.26	3.07	5.18	1.00 U	20.90
9/17	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	2.85	2.49	4.81	1.00 U	16.80
3/18	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	2.96	2.78	4.70	1.00 U	17.70
9/18	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	2.85	2.54	4.50	1.00 U	17.70
4/19	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	2.80	2.40	4.40	1.00 U	17.00
7/19	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	2.70	2.40	4.60	1.00 U	19.40
3/20	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	2.60	1.90	3.60	1.00 U	17.80
7/20	1.00 U	1.00 U	1.00 U	1.00 U	11.40	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	2.90	2.20	4.40	1.00 U	18.90
3/21	1.00 U	1.00 U	1.00 U	1.00 U	11.90	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	2.80	2.30	4.60	1.00 U	18.80

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS							5	80	80				5	100
4/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	1.68	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	6.38
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	1.07	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	5.14
10/03	0.11 U	0.70	0.18 U	--	0.15 U	--	3.28	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	14.96
3/04	0.11 U	4.26	0.18 U	--	0.15 U	--	7.22	0.20 U	0.18 U	1.00 U	1.00 U	1.00 U	0.15 U	36.13
9/04	0.23 U	0.29 U	1.25	--	0.39 U	--	3.17	0.34 U	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	19.64
4/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	3.43	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	31.35
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	2.04	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	15.03
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.43	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	12.61
9/06	1.00 U	3.06	0.19 U	--	0.39 U	--	9.78	1.94	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	60.16
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	9.69	2.25	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	56.32
10/07	0.23 U	2.54	0.19 U	--	0.39 U	--	10.69	1.22	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	61.28
3/08	0.50 U	--	--	--	--	--	2.04	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	11.69
9/08	0.50 U	--	--	--	--	--	6.16	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	35.91
3/09	2.23	--	--	--	--	--	9.56	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	52.75
9/09	1.00 U	0.83 J	1.00 U	1.00 U	1.00 U	1.00 U	9.37	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	50.00
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	8.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	44.00

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
9/10	2.00 U	0.95 J	2.00 U	2.00 U	24.60	2.00 U	8.29	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	34.30
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	52.00
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	12.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	6.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	41.00
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	34.50
3/13	1.18	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	6.02	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	34.60
9/13	1.43	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	6.17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	31.00
3/14	1.02	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.72	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	33.40
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.78	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.20
9/15	1.71	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.32	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.30
3/16	1.21	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.80
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.60	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	27.80
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.23	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.70
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.26	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	26.80
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.96	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	26.70
9/18	1.00 U	5.00 U	5.00 U	5.00 U	14.50	5.00 U	2.70	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	25.20
4/19	1.00 U	5.00 U	5.00 U	5.00 U	8.60	5.00 U	2.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.30
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.70
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.30
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	24.10
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.60	5.00 U	2.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	27.40

Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
MCL/ GWPS	80	80	80	70	70	80	700	10000				5	10000	100
4/01	1.00 U	0.23 U	0.21 U	15.28	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
9/01	1.00 U	1.00 U	0.21 U	33.11	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.02	0.27 U	0.21 U
3/02	1.00 U	1.00 U	0.21 U	25.68	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U
9/02	0.20 U	0.23 U	0.21 U	1.70	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U
6/03	1.00 U	0.23 U	0.21 U	26.92	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	8.96	0.27 U	0.21 U
10/03	1.00 U	1.00 U	0.21 U	46.08	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	14.29	0.27 U	0.21 U
3/04	1.00 U	1.00 U	1.00 U	141.35	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	22.08	0.27 U	0.21 U
9/04	1.00 U	1.00 U	0.25 U	41.73	0.29 U	0.27 U	1.00 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U
4/05	1.00 U	0.27 U	0.25 U	53.18	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	4.41	0.18 U	0.25 U
9/05	0.31 U	1.00 U	0.25 U	46.22	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
4/06	0.31 U	0.27 U	0.25 U	45.81	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	2.51	0.18 U	0.25 U
9/06	1.00 U	1.00 U	1.00 U	149.39	0.29 U	0.27 U	0.23 U	2.00 U	1.00 U	--	1.00 U	42.44	1.00 U	0.25 U
4/07	1.00 U	1.00 U	0.25 U	164.85	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	1.00 U	42.01	1.00 U	0.25 U
10/07	1.00 U	1.00 U	0.25 U	176.66	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	1.00 U	35.48	1.00 U	0.25 U
3/08	0.50 U	0.21 U	0.15 U	92.93	0.13 U	0.15 U	0.26 U	0.43 U	--	5.00 U	0.15 U	9.24	0.22 U	0.20 U
9/08	0.50 U	0.12 U	0.20 U	137.27	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	19.47	0.50 U	0.11 U
3/09	0.50 U	0.50	0.50 U	190.55	0.12 U	0.13 U	0.12 U	0.23 U	--	6.41	0.20 U	28.72	0.50 U	0.11 U
9/09	0.64 J	0.42 J	1.00 U	184.00	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	2.67	1.00 U	30.60	1.00 U	1.00 U
7/10	1.00 U	1.00 U	1.00 U	210.00	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	--	1.00 U	28.00	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
9/10	0.57 J	2.00 U	2.00 U	73.60	2.00 U	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
4/11	1.00 U	1.00 U	2.30	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	5.60	1.00 U	16.00	--	1.00 U
9/11	17.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	18.00	--	1.00 U
3/12	1.00 U	1.00 U	1.00 U	160.00	1.00 U	1.00 U	1.00 U	--	1.00 U	2.60	1.00 U	12.00	--	1.00 U
9/12	1.00 U	1.00 U	1.00 U	94.80	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	64.16	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	135.88	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	131.00	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.53	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	103.40	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	79.00	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	107.00	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	95.80	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	77.80	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	78.20	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	86.80	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	80.00	1.00 U	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
4/19	1.00 U	1.00 U	1.00 U	89.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U	5.60	1.00 U	1.00 U
7/19	1.00 U	1.00 U	1.00 U	70.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	76.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	4.20	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	85.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	4.50	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	77.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	4.30	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	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
4/01	15.38	0.24 U	1.00 U	0.13 U	0.14 U	10.45	1.00 U	--	--	0.27 U
9/01	44.27	0.24 U	1.00 U	0.13 U	0.14 U	24.68	2.72	--	--	0.27 U
3/02	36.00	0.24 U	1.00 U	0.13 U	0.14 U	18.90	1.58	--	--	0.27 U
9/02	1.00 U	0.24 U	1.00 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
6/03	21.58	0.24 U	1.00 U	0.13 U	0.14 U	17.31	1.72	--	--	0.27 U
10/03	0.17 U	1.00 U	1.57	0.13 U	0.14 U	30.06	3.78	--	2.85	0.27 U
3/04	26.34	0.24 U	5.27	0.13 U	1.00 U	39.15	0.18 U	--	10.87	0.27 U
9/04	36.32	1.45	1.49	0.24 U	0.30 U	28.57	3.22	--	3.54	1.00 U
4/05	34.22	0.32 U	1.71	0.24 U	1.00 U	26.35	1.87	--	6.36	0.18 U
9/05	26.31	1.00	1.24	0.24 U	0.30 U	25.32	1.66	--	2.44	0.18 U
4/06	20.17	0.32 U	1.09	0.24 U	0.30 U	20.17	1.00 U	--	1.75	0.18 U
9/06	65.48	0.32 U	6.19	0.24 U	0.30 U	55.99	4.37	--	15.95	1.00 U
4/07	62.00	0.32 U	5.60	0.24 U	0.30 U	52.41	4.25	--	12.02	1.00 U
10/07	60.22	0.32 U	8.31	0.24 U	0.30 U	59.10	5.59	--	16.89	1.00 U
3/08	32.40	0.28 U	2.88	0.08 U	--	28.56	1.93	--	4.49	0.22 U
9/08	52.48	1.00	8.83	0.13 U	--	42.66	2.85	--	8.73	0.50 U
3/09	67.92	0.50 U	7.15	0.13 U	--	53.74	4.58	--	15.64	0.50 U
9/09	43.90	1.00 U	6.37	1.00 U	1.00 U	51.50	3.98	--	20.30	1.00 U
7/10	58.00	1.00 U	6.00	1.00 U	5.00 U	48.00	1.00 U	1.00 U	13.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11 - Volatile Organic Compounds

Printed 6/22/21

	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)
9/10	19.60	2.00 U	2.78	2.00 U	2.00 U	33.90	3.78	2.00 U	20.90	2.00 U
4/11	26.00	1.00 U	4.90	1.00 U	5.00 U	28.00	6.80	1.00 U	14.00	1.00 U
9/11	44.00	1.00 U	3.30	1.00 U	5.00 U	37.00	1.00 U	1.00 U	1.00 U	1.00 U
3/12	47.00	1.00 U	4.60	1.00 U	5.00 U	39.00	3.30	1.00 U	13.00	1.00 U
9/12	40.10	1.00 U	1.00 U	1.00 U	5.00 U	34.20	1.00 U	5.00 U	14.10	1.00 U
3/13	36.90	1.00 U	4.31	1.00 U	5.00 U	32.60	2.47	5.00 U	13.90	1.00 U
9/13	32.20	1.00 U	4.94	1.00 U	5.00 U	34.60	2.04	5.00 U	14.00	1.00 U
3/14	32.30	1.00 U	4.41	1.00 U	5.00 U	29.60	2.33	5.00 U	14.60	1.00 U
9/14	1.13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	24.00	1.00 U	3.58	1.00 U	5.00 U	25.50	2.00	5.00 U	15.40	1.00 U
9/15	21.70	1.00 U	3.79	1.00 U	5.00 U	26.30	1.60	5.00 U	14.60	1.00 U
3/16	21.30	1.00 U	3.95	1.00 U	5.00 U	22.90	1.61	5.00 U	14.50	1.00 U
8/16	16.80	1.00 U	3.30	1.00 U	5.00 U	18.80	1.33	5.00 U	13.50	1.00 U
3/17	17.40	1.00 U	4.46	1.00 U	5.00 U	14.10	1.80	5.00 U	17.90	1.00 U
9/17	13.20	1.00 U	2.71	1.00 U	5.00 U	15.40	1.08	5.00 U	11.10	1.00 U
3/18	12.20	1.00 U	3.05	1.00 U	5.00 U	14.50	1.08	5.00 U	11.70	1.00 U
9/18	11.50	1.00 U	3.01	1.00 U	5.00 U	13.10	1.07	5.00 U	12.50	1.00 U
4/19	10.10	1.00 U	3.00	1.00 U	1.00 U	11.30	1.00 U	1.00 U	13.90	1.00 U
7/19	3.60	1.00 U	3.40	1.00 U	1.00 U	9.60	1.00 U	1.00 U	17.50	1.00 U
3/20	9.50	1.00 U	2.70	1.00 U	1.00 U	9.90	1.00 U	1.00 U	11.50	1.00 U
7/20	8.30	1.00 U	2.90	1.00 U	1.00 U	9.30	1.00 U	1.00 U	13.10	1.00 U
3/21	7.10	1.00 U	2.70	1.00 U	1.00 U	7.80	1.00 U	1.00 U	17.10	1.00 U

Gude Landfill
Monitoring Location OB11A - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	167.9440	0.001	--	--	--	--	--	--	--	--	--
9/01	--	--	--	195.5640	0.003	--	--	--	--	--	--	--	--	--
3/02	--	--	--	250.6500	0.003	--	--	--	--	--	--	--	--	--
9/02	--	--	--	86.7173	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	185.2330	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.014
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.011
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.050
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.013
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.015
4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	270.0	0.22	30.8	310.0000	--	--	540.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11A - General Parameters

Printed 6/22/21

	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)
9/10	280.0	1.70	30.0	290.0000	--	--	660.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	292.0	2.11	33.7	211.0000	--	--	524.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/11	285.0	1.59	21.6	297.0000	--	--	598.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	279.0	1.11	30.4	300.0000	--	--	500.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	288.0	1.25	17.8	312.0000	--	--	508.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	298.0	1.79	26.5	282.0000	--	0.03	466.0	0.2000 U	0.20 U	0.05 U	350.0	6.00	--	--
9/13	302.0	1.18	23.1	327.0000	--	0.03	516.0	0.2000 U	0.20 U	0.05 U	292.0	5.61	--	--
3/14	295.0	1.99	20.6	266.0000	--	0.03	456.0	0.2000 U	--	--	306.0	5.71	--	--
9/14	49.0	1.00	29.4	329.0000	--	1.53	544.0	0.2000 U	0.20 U	0.05 U	295.0	5.94	--	--
3/15	285.0	0.36	31.3	325.0000	--	0.00	300.0	0.2000 U	0.20 U	0.05 U	321.0	6.42	--	--
9/15	333.0	0.42	35.1	425.0000	--	2.65	660.0	0.2000 U	0.20 U	0.05 U	234.0	5.83	--	--
3/16	316.0	0.31	31.8	401.0000	--	0.00	600.0	0.2000 U	0.20 U	0.11	296.0	5.97	--	--
8/16	351.0	0.37	34.4	387.0000	--	--	584.0	0.2000 U	0.20 U	0.05 U	267.0	5.66	--	--
3/17	107.0	0.30	26.0	428.0000	--	--	588.0	0.2000 U	0.20 U	0.05 U	302.0	5.94	--	--
9/17	330.0	0.57	28.9	358.0000	--	--	600.0	0.2000 U	0.20 U	0.05 U	291.0	5.97	--	--
3/18	327.0	0.27	37.4	396.0000	--	--	700.0	0.2000 U	0.20 U	0.05 U	133.0	6.01	--	--
9/18	325.0	0.43	32.4	399.0000	--	--	640.0	0.2000 U	0.20 U	0.05 U	119.0	5.93	--	--
4/19	353.0	0.58	34.0	404.0000	--	0.11	602.0 B	0.4000	--	--	83.2	5.86	5.53	--
7/19	356.0	0.46	27.8	426.0000	--	0.23	603.0 B	0.7000	--	--	200.0	5.81	5.26	--
3/20	345.0	0.47	32.6	394.0000	--	0.44	687.0	0.2000 U	--	--	122.4	5.87	5.99	--
7/20	349.0	0.54	52.7	424.0000	--	0.54	663.0	1.2100	--	--	129.3	5.50	6.00	--
3/21	378.0	0.58	31.5	434.0000	--	0.07	632.0	0.0500 U	--	--	87.1	5.84	5.96	--

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										
4/01	--	--	--	--	--	--	--	--	10.100	--
9/01	--	--	--	--	--	--	--	--	11.100	--
3/02	--	--	--	--	--	--	--	--	97.700	--
9/02	--	--	--	--	--	--	--	--	1.700	--
6/03	--	--	--	--	--	--	--	--	24.100	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	12.60	--	--	1192.0	--	--	1.970	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

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)
9/10	--	--	18.40	--	--	1068.0	--	--	3.310	--
4/11	--	--	17.00 J	--	--	908.0	--	--	0.830	--
9/11	--	--	15.00	--	--	304.0	--	--	--	--
3/12	--	--	15.80	--	--	1048.0	--	--	--	--
9/12	--	--	15.70	--	--	904.0	--	--	--	--
3/13	1.6	--	16.60	--	15.4	830.0	--	--	--	0.00
9/13	1481.0	--	15.70	--	16.9	936.0	--	--	--	0.00
3/14	1274.0	--	20.00	--	15.7	1016.0	--	--	--	4.13
9/14	1510.0	--	15.40	--	16.6	854.0	--	--	--	0.00
3/15	1276.0	--	12.50	--	15.5	908.0	--	--	--	0.00
9/15	1873.0	--	8.49	--	25.4	969.0	--	--	--	0.00
3/16	1580.0	--	12.20	--	15.3	884.0	--	--	--	1.70
8/16	1686.0	--	12.20	--	16.8	989.0	--	--	--	0.00
3/17	1736.0	--	11.10	--	15.2	978.0	--	--	--	0.00
9/17	151598.0	--	12.00	--	16.8	909.0	--	--	--	0.60
3/18	1634.0	--	12.90	--	16.6	940.0	--	--	--	3.30
9/18	394.5	--	11.60	--	19.9	991.0	--	--	--	2.50
4/19	2200.0	1840.0	9.80	--	15.6	1170.0	--	2.6 U	1.830	1.70
7/19	1750.0	1870.0	10.70	--	17.4	1150.0	--	7.3	2.340	0.00
3/20	1738.0	1850.0	10.70	--	15.1	1040.0	--	3.1	1.720	0.10
7/20	1773.0	1980.0	9.71	--	18.6	1050.0	--	3.4	0.687	0.50
3/21	1814.0	1990.0	9.70	--	16.6	895.0	--	33.0	18.500	6.71

Gude Landfill
Monitoring Location OB11A - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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
Monitoring Location OB11A - Dissolved Metals

Printed 6/22/21

	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		
4/11	0.02	6.6	0.005 U	0.01 U	84.5	0.005 U	0.01 U	0.024
9/11	0.02	--	--	--	--	--	--	--
3/12	0.02	6.6	0.005 U	0.01 U	98.9	0.005 U	0.01 U	0.023
9/12	0.03	7.3	0.005 U	0.01 U	95.2	0.005 U	0.01 U	0.020
3/13	0.02	7.6	0.005 U	0.01 U	96.0	0.005 U	0.01 U	0.021
9/13	0.02	6.7	0.005	0.01 U	97.8	0.005 U	0.01 U	0.019
3/14	0.02	6.8	0.005 U	0.01 U	88.4	0.005 U	0.01 U	0.021
9/14	0.02	6.0	0.006	0.01 U	103.0	0.005 U	0.01 U	0.019
3/15	0.04	6.0	0.035 U	0.01 U	96.0	0.002 U	0.01 U	0.021
9/15	0.03	6.4	0.009	0.00 U	110.0	0.001 U	0.01 U	0.022
3/16	0.02	5.3	0.006	0.00 U	106.0	0.001 U	0.00 U	0.017
8/16	0.03	5.7	0.007	0.00 U	113.0	0.001 U	0.00 U	0.016
3/17	0.04	5.4	0.008	0.00 U	118.0	0.001 U	0.00	0.018
9/17	0.03	5.4	0.005	0.00 U	109.0	0.001 U	0.00 U	0.014
3/18	0.03	5.3	0.008	0.00 U	115.0	0.001 U	0.00 U	0.017
9/18	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 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.1587	0.0005 U	--	0.0049	--	0.0003 U	0.0764	0.0100 U	--	0.00130 U
9/01	0.0020 U	0.0033	0.1826	0.0017 U	--	0.0054	--	0.0012 U	0.0650	0.0101	--	0.00670
3/02	0.0005 U	0.0032	0.1753	0.0017 U	--	0.0058	--	0.0012 U	0.0341	0.0071	--	0.00370
9/02	0.0007 U	0.0020 U	0.0092	0.0004 U	--	0.0020 U	--	0.0026	0.0025	0.0061	--	0.00240
6/03	0.0014 U	0.0040 U	0.2364	0.0008 U	--	0.0048	--	0.0010 U	0.0590	0.0246	--	0.00200 U
10/03	0.0045 U	0.0040 U	0.1753	0.0080 U	--	0.0100 U	--	0.0025 U	0.0524	0.0500 U	--	0.00200 U
3/04	0.0009 U	0.0020 U	0.0733	0.0016 U	--	0.0061	--	0.0020 U	0.0020 U	0.0100 U	--	0.00200 U
9/04	0.0028 U	0.0087	0.2284	0.0012 U	--	0.0100	--	0.0025	0.0614	0.0245	--	0.01790
4/05	0.0028 U	0.0020 U	0.0603	0.0012 U	--	0.0076	--	0.0020 U	0.0022	0.0160	--	0.00260
9/05	0.0028 U	0.0027	0.1653	0.0012 U	--	0.0051	--	0.0007 U	0.0437	0.0232	--	0.00300
4/06	0.0006 U	0.0020 U	0.1678	0.0007 U	--	0.0050	--	0.0020 U	0.0411	0.0149	--	0.00310
9/06	0.0007 U	0.0020 U	0.1785	0.0009 U	--	0.0020	--	0.0007 U	0.0360	0.0076	--	0.00070 U
4/07	0.0007 U	0.0020 U	0.1767	0.0009 U	0.363	--	--	0.0007 U	0.0664	0.0092	--	0.00070 U
10/07	0.0020 U	0.0072	0.1365	0.0009 U	0.612	--	--	0.0024	0.0239	0.0108	--	0.00790
3/08	0.0005 U	0.0031	0.1441	0.0010 U	0.265	--	--	0.0020 U	0.0361	0.0088	--	0.00200 U
9/08	0.0010 U	0.0040 U	0.1335	0.0020 U	0.775	--	--	0.0016 U	0.0332	0.0109	--	0.00200 U
3/09	0.0010 U	0.0100 U	0.1616	0.0012 U	0.441	--	--	0.0102	0.0204	0.0119	--	0.01000 U
9/09	0.0020 U	0.0020 U	0.1510	0.0020 U	--	0.0025	99.00	0.0020 U	0.0360	0.0103	1.6100	0.00200 U
7/10	0.0010 U	0.0013	0.1500	0.0010 U	--	0.0032	--	0.0030	0.0340	0.0030	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.1820	0.0050 U	--	0.0050 U	89.80	0.0050 U	0.0337	0.0102	1.3300	0.00500 U
4/11	0.0050 U	0.0050 U	0.9570	0.0102	--	0.0059	84.70	0.0321	0.1440	0.1700	48.4000 J	0.07230

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.1660	0.0050 U	--	0.0050 U	93.50	0.0050 U	0.0250	0.0057	1.0100	0.00500 U
3/12	0.0050 U	0.0050 U	0.1830	0.0050 U	--	0.0050 U	93.40	0.0050 U	0.0250	0.0057	1.0500	0.00500 U
9/12	0.0050 U	0.0050 U	0.1650	0.0050 U	--	0.0050 U	91.40	0.0050 U	0.0271	0.0065	1.0700	0.00500 U
3/13	0.0050 U	0.0050 U	0.1910	0.0050 U	--	0.0050 U	85.30	0.0050 U	0.0240	0.0143	1.0800	0.00500 U
9/13	0.0050 U	0.0050 U	0.1650	0.0050 U	--	0.0050 U	99.60	0.0050 U	0.0256	0.0065	1.1900	0.00500 U
3/14	0.0050 U	0.0050 U	0.2060	0.0050 U	--	0.0050 U	79.60	0.0050 U	0.0235	0.0058	0.9290	0.00500 U
9/14	0.0050 U	0.0050 U	0.1850	0.0050 U	--	0.0050 U	97.30	0.0050 U	0.0246	0.0067	1.1300	0.00500 U
3/15	0.0020 U	0.0022	0.1800	0.0020 U	--	0.0026 J	100.00	0.0210	0.0250	0.0048 J	0.9100	0.00200 U
9/15	0.0010 U	0.0035	0.1500	0.0010 U	--	0.0020	120.00	0.0050 U	0.0320	0.0050 U	0.8200	0.00100 U
3/16	0.0020 U	0.0022	0.1930	0.0020 U	--	0.0020	110.00	0.0044	0.0271	0.0037	1.6800	0.00200 U
8/16	0.0020 U	0.0020 U	0.1790	0.0020 U	--	0.0020 U	113.00	0.0020 U	0.0302	0.0038	1.5900	0.00200 U
3/17	0.0020 U	0.0054	0.1610	0.0020 U	--	0.0020 U	121.00	0.0080	0.0388	0.0146	2.3700	0.00200 U
9/17	0.0020 U	0.0020 U	0.1480	0.0020 U	--	0.0020 U	109.00	0.0051	0.0319	0.0020 U	1.7000	0.00200 U
3/18	0.0020 U	0.0036	0.1590	0.0020 U	--	0.0020 U	126.00	0.0104	0.0300	0.0028	1.3700	0.00200 U
9/18	0.0020 U	0.0028	0.1820	0.0020 U	--	0.0020 U	122.00	0.0104	0.0337	0.0046	1.3000	0.00200 U
4/19	0.0010 U	0.0011	0.1650	0.0010 U	--	0.0010	99.70 B	0.0013	0.0383	0.0019	1.8900	0.00100 U
7/19	0.0010 U	0.0012	0.1910	0.0010 U	--	0.0012	103.00 B	0.0013	0.0356	0.0080	1.9600	0.00186
3/20	0.0010 U	0.0010 U	0.2070	0.0010 U	--	0.0012	113.00	0.0011	0.0363	0.0053	1.6300	0.00106
7/20	0.0010 U	0.0011	0.1940	0.0010 U	--	0.0010 U	109.00	0.0011	0.0401	0.0027	1.7800	0.00100 U
3/21	0.0010 U	0.0027	0.1860	0.0010 U	--	0.0017	107.00	0.0026	0.0395	0.0090	8.1100	0.00634

Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	5.42000	0.000200 U	0.0293	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U
9/01	--	6.99000	0.000100 U	0.0343	--	0.00200 U	0.0044 U	--	0.0010	0.2000 U	0.00070 U
3/02	--	6.38600	0.000200 U	0.0224	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/02	--	1.18200	0.000100 U	0.0055	--	0.00420	0.0096 U	--	0.0010 U	0.0008 U	0.00030 U
6/03	--	5.86600	0.000400	0.0307	--	0.00240 U	0.0192 U	--	0.0020 U	0.0008 U	0.00060 U
10/03	--	5.68800	0.000300	0.0323	--	0.00350 U	0.0110 U	--	0.0020 U	0.0003 U	0.00200 U
3/04	--	0.53640	0.001900	0.0138	--	0.00200 U	0.0022 U	--	0.0004 U	0.0020 U	0.00040 U
9/04	--	5.13700	0.001100	0.0437	--	0.00480	0.0018 U	--	0.0010 U	0.0020 U	0.00200 U
4/05	--	0.89880	0.001900	0.0182	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U
9/05	--	5.40800	0.000300	0.0343	--	0.00220	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U
4/06	--	6.88850	0.000200 U	0.0382	--	0.00220	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U
9/06	--	4.92200	0.000300	0.0236	--	0.00200 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U
4/07	--	--	0.000500	0.0228	--	0.00290	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U
10/07	--	--	0.001400	0.0306	--	0.00670	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U
3/08	--	--	0.000800	0.0285	--	0.00220	0.0001 U	--	0.0010 U	0.0500 U	0.00200 U
9/08	--	--	0.000500	0.0269	--	0.00400 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000900	0.0376	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U
9/09	69.200	5.23000	0.000200	0.0299	5.710	0.00480	0.0020 U	107.00	0.0020 U	--	0.00200 U
7/10	--	--	0.000200	0.0250	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U
9/10	67.000	6.38000	0.000200 U	0.0232	6.810	0.00620	0.0050 U	101.00	0.0050 U	--	0.00500 U
4/11	55.000	13.10000	0.000200 U	0.0701	13.700 J	0.01850	0.0050 U	38.50 J	0.0050 U	--	0.09190

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 6/22/21

	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)
9/11	68.600	5.83000	0.000200 U	--	6.830	0.00500 U	0.0050 U	99.80	0.0050 U	--	0.00500 U
3/12	69.900	6.29000	0.000200 U	0.0186	6.410	0.00500 U	0.0050 U	99.40	0.0050 U	--	0.00500 U
9/12	64.800	6.14000	0.000200 U	0.0226	6.840	0.00713	0.0050 U	95.10	0.0050 U	--	0.00500 U
3/13	65.700	6.82000	0.000200 U	0.0202	7.390	0.00500 U	0.0050 U	99.50	0.0050 U	--	0.00500 U
9/13	70.600	7.21000	0.000200 U	0.0239	6.780	0.00500 U	0.0050 U	102.00	0.0050 U	--	0.00500 U
3/14	57.400	6.80000	0.000200 U	0.0179	6.790	0.00500 U	0.0050 U	83.00	0.0050 U	--	0.00500 U
9/14	69.100	7.37000	0.000200 U	0.0225	5.830	0.00542	0.0050 U	99.70	0.0050 U	--	0.00500 U
3/15	76.000	7.80000	0.000280	0.0400	5.900	0.03500 U	0.0100 U	95.00	0.0020 U	--	0.01000 U
9/15	84.000	8.70000	0.000200 U	0.0260	6.400	0.00940	0.0010 U	120.00	0.0011	--	0.00500 U
3/16	77.600	8.92000	0.000200 U	0.0240	4.640	0.00618	0.0020 U	106.00	0.0010 U	--	0.00200 U
8/16	80.000	9.25000	0.000200 U	0.0264	5.370	0.00547	0.0020 U	111.00	0.0010 U	--	0.00200 U
3/17	83.900	10.60000	0.000200 U	0.0387	5.240	0.00839	0.0020 U	115.00	0.0010 U	--	0.00255
9/17	75.700	9.22000	0.000200 U	0.0275	5.360	0.00449	0.0020 U	108.00	0.0010 U	--	0.00200 U
3/18	85.000	10.30000	0.000200 U	0.0299	5.450	0.00775	0.0020 U	120.00	0.0010 U	--	0.00200 U
9/18	81.200	10.90000	0.000200 U	0.0319	5.100	0.00686	0.0020 U	108.00	0.0010 U	--	0.00281
4/19	85.800	13.20000	0.000244	0.0342	5.670	0.00101	0.0010 U	123.00	0.0010 U	--	0.00100 U
7/19	83.900	13.50000	0.000963	0.0325	5.700	0.00100 U	0.0010 U	118.00 B	0.0010 U	--	0.00100 U
3/20	98.300	14.70000	0.000328	0.0310	5.950	0.00100 U	0.0010 U	139.00	0.0010 U	--	0.00100 U
7/20	95.000	14.60000	0.000312	0.0340	5.920	0.00100 U	0.0010 U	136.00	0.0010 U	--	0.00100 U
3/21	88.900	14.60000	0.001330	0.0358	5.610	0.00144	0.0010 U	123.00	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
4/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.01930
10/07	0.02290
3/08	0.02190
9/08	0.02500
3/09	0.03050
9/09	0.02490
7/10	0.02700
9/10	0.02180
4/11	0.26700

Gude Landfill
Monitoring Location OB11A - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.02100
3/12	0.02110
9/12	0.02230
3/13	0.02060
9/13	0.01920
3/14	0.02220
9/14	0.01890
3/15	0.02200
9/15	0.01900
3/16	0.01690
8/16	0.01410
3/17	0.01830
9/17	0.01440
3/18	0.01630
9/18	0.02000
4/19	0.01890
7/19	0.02040
3/20	0.02190
7/20	0.01880
3/21	0.02440

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
4/01	0.18 U	0.15 U	0.23 U	0.22 U	20.54	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.22	3.07	0.19 U	10.00 U
9/01	0.18 U	1.00 U	0.23 U	5.49	43.34	1.26	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	2.69	6.21	0.19 U	10.00 U
3/02	0.18 U	1.00 U	0.23 U	5.31	60.97	1.71	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	4.55	10.71	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	1.43	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	1.00 U	1.19	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	13.69	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	1.17	2.59	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	23.13	1.00 U	0.22 U	0.21 U	0.14 U	0.20 U	1.76	1.96	4.87	0.19 U	6.16
3/04	0.18 U	0.15 U	0.23 U	0.22 U	18.91	1.00 U	0.22 U	1.00 U	1.00 U	0.20 U	10.00 U	1.00 U	2.28	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	26.32	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	2.16	2.59	7.10	0.33 U	9.88
4/05	0.13 U	0.24 U	0.44 U	0.25 U	9.72	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	2.69	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	30.41	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	3.16	6.69	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	27.58	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	3.15	7.89	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	6.36	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	2.36	5.03	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	14.01	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	3.93	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	28.55	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	5.76	8.63	0.33 U	10.45
3/08	0.18 U	0.18 U	0.21 U	0.23 U	28.90	0.76	0.26 U	0.14 U	0.24 U	0.16 U	2.45	5.34	7.85	0.20 U	11.24
9/08	0.12 U	0.17 U	0.14 U	0.17 U	24.24	0.53	0.13 U	0.17 U	0.20 U	0.08 U	2.05	4.48	7.26	0.13 U	12.30
3/09	0.12 U	0.17 U	0.14 U	0.17 U	23.08	0.61	0.13 U	0.17 U	0.20 U	0.08 U	--	3.60	6.44	0.13 U	--
9/09	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	2.45	1.00 U	7.20	1.00 U	15.20
7/10	1.00 U	1.00 U	1.00 U	1.00 U	29.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	2.00	4.00	7.00	1.00 U	15.00

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 6/22/21

Monitoring Location OB11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-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)	1,4-Dichlorobenzene (ug/L)
9/10	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	1.10 J	1.88 J	4.06	2.00 U	9.32
4/11	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	2.80	1.00 U	3.70	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	2.10	1.00 U	4.60	--	15.00
9/12	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	1.00 U	1.00 U	13.70
3/13	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	1.87	2.48	4.08	1.00 U	13.80
9/13	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	2.05	3.56	3.75	1.00 U	15.00
3/14	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	--	2.09	3.90	1.00 U	13.50
9/14	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
3/15	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	2.19	2.50	4.48	1.00 U	15.20
9/15	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	2.05	2.68	4.70	1.00 U	12.20
3/16	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	2.70	2.66	5.10	1.00 U	18.00
8/16	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	2.45	2.41	4.46	1.00 U	17.00
3/17	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	2.59	2.60	4.94	1.00 U	18.10
9/17	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	2.55	2.16	4.20	1.00 U	17.50
3/18	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	2.54	2.57	4.67	1.00 U	17.30
9/18	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	2.31	2.31	4.45	1.00 U	16.50
4/19	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	1.10	1.00 U	2.10	1.00 U	8.30
7/19	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	2.80	2.60	4.80	1.00 U	18.20
3/20	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	2.50	1.50	3.50	1.00 U	18.10
7/20	1.00 U	1.00 U	1.00 U	1.00 U	12.30	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	2.80	2.20	4.60	1.00 U	20.40
3/21	1.00 U	1.00 U	1.00 U	1.00 U	12.10	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	2.40	2.10	4.20	1.00 U	17.80

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS							5	80	80				5	100
4/01	0.11 U	--	1.00 U	--	0.15 U	--	6.48	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	36.21
9/01	1.00 U	--	0.18 U	--	1.00 U	--	12.45	1.00 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	76.27
3/02	1.00 U	--	0.18 U	--	1.00 U	--	17.54	1.00 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	102.70
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	4.70	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	19.98
10/03	0.11 U	1.21	0.18 U	--	0.15 U	--	7.54	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	38.78
3/04	0.11 U	0.11	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	4.61
9/04	0.23 U	0.29 U	1.15	--	0.39 U	--	7.71	0.34 U	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	54.04
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	5.74
9/05	0.23 U	1.75	0.19 U	--	0.39 U	--	8.53	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	51.74
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	5.66	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	51.24
9/06	1.00 U	0.29 U	0.19 U	--	0.39 U	--	5.76	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	34.47
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	4.87	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	23.03
10/07	0.23 U	2.95	0.19 U	--	0.39 U	--	9.72	1.00 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	52.49
3/08	1.43	--	--	--	--	--	7.37	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	42.48
9/08	0.50 U	--	--	--	--	--	7.13	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	39.60
3/09	0.22 U	--	--	--	--	--	6.67	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	33.51
9/09	1.00 U	0.66 J	1.00 U	1.00 U	1.00 U	1.00 U	7.51	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	36.90
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	7.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	34.00

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	22.80	2.00 U	3.59	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	20.60
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	29.00
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	24.00
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	22.30
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.50
9/13	1.43	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.10
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.94	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	17.60
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.93	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.40
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.47	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.20
3/16	1.01	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.59	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	25.20
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.31	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	23.30
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.33	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	24.30
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.81	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.50
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.01	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	22.40
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.82	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.40
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.10
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.20	5.00 U	2.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	23.60
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.70
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	26.10
3/21	1.00 U	5.00 U	5.00 U	5.00 U	6.80	5.00 U	1.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	25.00

Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 6/22/21

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
MCL/ GWPS	80	80	80	70	70	80	700	10000				5	10000	100
4/01	1.00 U	1.00 U	0.21 U	56.95	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	17.41	0.27 U	0.21 U
9/01	1.53	1.00 U	0.21 U	118.77	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	36.20	0.27 U	0.21 U
3/02	1.25	1.20	0.21 U	99.48	0.19 U	1.00 U	0.26 U	1.00 U	0.17 U	--	0.22 U	52.22	1.00 U	0.21 U
9/02	1.00 U	0.23 U	0.21 U	13.44	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U
6/03	1.00 U	0.23 U	0.21 U	54.65	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	7.18	1.00 U	0.21 U
10/03	1.00 U	1.00 U	0.21 U	87.72	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	11.68	0.27 U	0.21 U
3/04	1.00 U	1.00 U	0.21 U	37.71	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	13.59	0.27 U	0.21 U
9/04	1.00 U	1.00 U	0.25 U	102.11	0.29 U	0.27 U	0.23 U	2.00 U	0.28 U	--	0.25 U	15.83	1.00 U	0.25 U
4/05	0.31 U	0.27 U	0.25 U	23.84	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U
9/05	1.00 U	1.00 U	0.25 U	126.58	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	10.77	1.00 U	0.25 U
4/06	1.00 U	0.27 U	0.25 U	119.67	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	8.39	1.00 U	0.25 U
9/06	0.31 U	0.27 U	0.25 U	100.04	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	3.60	0.18 U	0.25 U
4/07	1.00 U	0.27 U	0.25 U	86.72	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	2.74	1.00 U	0.25 U
10/07	1.00 U	1.00 U	0.25 U	189.64	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	9.30	1.00 U	0.25 U
3/08	0.50 U	0.50 U	0.50 U	189.43	0.13 U	0.15 U	0.26 U	0.43 U	--	5.00 U	0.15 U	5.59	0.22 U	0.20 U
9/08	0.52	0.50 U	0.20 U	173.52	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	1.73	0.11 U	0.11 U
3/09	0.13 U	0.12 U	0.50 U	148.44	0.12 U	0.13 U	0.12 U	0.23 U	--	5.76	0.20 U	2.72	0.11 U	0.11 U
9/09	0.66 J	1.00 U	1.00 U	168.00	1.00 U	1.00 U	1.00 U	2.00 U	1.00 U	2.49	1.00 U	1.77	1.00 U	1.00 U
7/10	1.00 U	1.00 U	1.00 U	180.00	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	--	1.00 U	3.00	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB11A - Volatile Organic Compounds

Printed 6/22/21

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)
9/10	0.89 U	2.00 U	2.00 U	81.60	2.00 U	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
4/11	1.00 U	1.00 U	1.40	76.00	1.00 U	1.00 U	1.00 U	--	1.00 U	3.80	1.00 U	1.80	--	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U
3/12	1.00 U	1.00 U	1.00 U	100.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12	1.00 U	1.00 U	1.00 U	89.00	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	78.60	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	96.50	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	68.50	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.68	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	75.80	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	74.20	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	74.80	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	68.10	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	73.80	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	65.50	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	68.30	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	60.80	1.00 U	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
4/19	1.00 U	1.00 U	1.00 U	27.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	1.00 U	97.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U	5.60	1.00 U	1.00 U
3/20	1.00 U	1.00 U	1.00 U	56.70	1.00 U	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
7/20	1.00 U	1.00 U	1.00 U	66.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	54.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Monitoring Location OB11A - 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
4/01	31.27	0.24 U	2.55	0.13 U	1.00 U	31.80	3.62	--	--	0.27 U
9/01	90.32	0.24 U	4.86	0.13 U	1.00 U	73.37	6.70	--	--	0.27 U
3/02	115.70	1.00 U	7.04	0.13 U	1.09	101.67	9.27	--	--	1.00 U
9/02	1.00 U	0.24 U	1.00 U	0.13 U	0.14 U	7.41	0.18 U	--	--	0.27 U
6/03	20.10	0.24 U	2.01	0.13 U	0.14 U	19.82	1.93	--	--	1.00 U
10/03	67.55	1.00 U	4.03	0.13 U	0.14 U	41.58	2.72	--	6.93	0.27 U
3/04	15.44	0.24 U	1.00 U	0.13 U	1.00 U	16.84	0.18 U	--	0.96	0.27 U
9/04	53.93	1.00 U	3.65	0.24 U	0.30 U	51.64	4.34	--	10.51	1.00 U
4/05	28.72	0.32 U	0.45 U	0.24 U	0.30 U	16.94	1.95	--	1.00 U	0.18 U
9/05	42.58	1.00 U	4.65	0.24 U	0.30 U	50.65	2.97	--	13.30	1.00 U
4/06	47.07	0.32 U	3.57	0.24 U	0.30 U	52.60	2.52	--	7.95	1.00 U
9/06	37.10	0.32 U	3.67	0.24 U	0.30 U	34.14	1.24	--	12.01	0.18 U
4/07	23.91	0.32 U	2.74	0.24 U	0.30 U	24.25	1.04	--	10.23	1.00 U
10/07	51.32	1.00 U	8.79	0.24 U	0.30 U	53.80	3.79	--	18.34	1.00 U
3/08	54.18	0.28 U	9.82	0.08 U	--	50.90	2.90	--	13.71	0.22 U
9/08	53.26	0.50 U	10.82	0.13 U	--	45.34	2.10	--	12.75	0.11 U
3/09	44.75	0.50 U	5.07	0.13 U	--	39.05	2.09	--	13.43	0.11 U
9/09	33.80	1.00 U	5.45	1.00 U	1.00 U	42.40	2.14	--	15.40	1.00 U
7/10	46.00	1.00 U	5.00	1.00 U	5.00 U	41.00	1.00 U	1.00 U	15.00	1.00 U

Gude Landfill

Monitoring Location OB11A - 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)
9/10	10.70	2.00 U	3.18	2.00 U	2.00 U	21.60	2.53	2.00 U	31.60	2.00 U
4/11	14.00	1.00 U	1.00 U	1.00 U	5.00 U	17.00	2.90	1.00 U	11.00	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	27.00	1.00 U	3.10	1.00 U	5.00 U	28.00	1.00 U	1.00 U	12.00	1.00 U
9/12	22.80	1.00 U	1.00 U	1.00 U	5.00 U	24.70	1.00 U	5.00 U	13.10	1.00 U
3/13	19.10	1.00 U	3.02	1.00 U	5.00 U	24.00	1.00 U	5.00 U	12.90	1.00 U
9/13	19.70	1.00 U	3.91	1.00 U	5.00 U	28.80	1.00 U	5.00 U	14.90	1.00 U
3/14	12.80	1.00 U	2.68	1.00 U	5.00 U	20.10	1.00 U	5.00 U	11.10	1.00 U
9/14	1.23	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	10.30	1.00 U	2.94	1.00 U	5.00 U	21.50	1.00 U	5.00 U	14.70	1.00 U
9/15	6.78	1.00 U	2.93	1.00 U	5.00 U	18.60	1.00 U	5.00 U	14.00	1.00 U
3/16	8.60	1.00 U	3.44	1.00 U	5.00 U	20.90	1.00 U	5.00 U	15.90	1.00 U
8/16	6.69	1.00 U	3.06	1.00 U	5.00 U	15.80	1.00 U	5.00 U	14.80	1.00 U
3/17	5.85	1.00 U	3.33	1.00 U	5.00 U	15.10	1.00 U	5.00 U	15.40	1.00 U
9/17	4.99	1.00 U	2.84	1.00 U	5.00 U	12.50	1.00 U	5.00 U	12.70	1.00 U
3/18	4.45	1.00 U	2.99	1.00 U	5.00 U	13.40	1.00 U	5.00 U	13.20	1.00 U
9/18	3.78	1.00 U	2.95	1.00 U	5.00 U	11.80	1.07	5.00 U	14.40	1.00 U
4/19	1.40	1.00 U	1.30	1.00 U	1.00 U	4.30	1.00 U	1.00 U	6.90	1.00 U
7/19	10.40	1.00 U	3.30	1.00 U	1.00 U	12.10	1.00 U	1.00 U	15.00	1.00 U
3/20	2.80	1.00 U	2.60	1.00 U	1.00 U	9.50	1.00 U	1.00 U	14.10	1.00 U
7/20	2.70	1.00 U	2.90	1.00 U	1.00 U	8.80	1.00 U	1.00 U	16.50	1.00 U
3/21	1.60	1.00 U	2.80	1.00 U	1.00 U	7.10	1.00 U	1.00 U	19.70	1.00 U

Gude Landfill
Monitoring Location OB12 - General Parameters

Printed 6/22/21

	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				
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.054
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026
9/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.072
4/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.025
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	110.0	0.20 U	8.5 J	69.9000	--	--	165.0	1.6220	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	108.0	0.20 U	7.4 J	65.8000	--	--	162.0	1.3770 HT	1.38 HT	0.05 U	--	--	--	--
4/11	44.0	0.20 U	6.9	80.1000	--	--	182.0	1.5900	1.64	0.05 U	--	--	--	--
9/11	106.0	0.20 U	10.0 U	62.7000	--	--	153.0	1.1400	1.15	0.05 U	--	--	--	--
3/12	116.0	0.20 U	8.1	76.9000	--	--	194.0	1.2600	1.27	0.05 U	--	--	--	--
9/12	113.0	0.20 U	10.0 U	66.4000	--	--	160.0	0.9900	1.04	0.05 U	--	--	--	--
3/13	119.0	0.20 U	21.0	79.0000	--	0.03	178.0	1.0200	1.07	0.05 U	313.0	5.81	--	--
9/13	126.0	0.20 U	10.0 U	70.5000	--	0.03	178.0	0.8700	0.88	0.05 U	255.0	5.53	--	--
3/14	123.0	0.20 U	10.0 U	77.9000	--	0.21	200.0	0.8300	--	--	337.0	5.56	--	--

Gude Landfill
Monitoring Location OB12 - General Parameters

Printed 6/22/21

	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)
9/14	138.0	0.20 U	10.0 U	77.4000	--	--	208.0	0.6950	0.71	0.05 U	379.0	5.92	--	--
3/15	125.0	0.20 U	10.0 U	80.7000	--	0.00	202.0	0.7400	0.79	0.05 U	401.0	5.81	--	--
9/15	132.0	0.20 U	10.8	80.0000	--	1.44	182.0	0.8030	0.81	0.05 U	347.0	5.80	--	--
3/16	122.0	0.20 U	10.0 U	84.6000	--	0.00	188.0	0.5880	0.64	0.05 U	331.0	5.64	--	--
8/16	129.0	0.20 U	10.0 U	84.3000	--	--	218.0	0.5750	0.59	0.05 U	212.0	5.69	--	--
3/17	135.0	0.20 U	10.0 U	87.2000	--	--	224.0	0.5410	0.55	0.05 U	327.0	5.54	--	--
9/17	120.0	0.20 U	10.0 U	77.4000	--	0.33	192.0	0.6360	0.65	0.05 U	241.0	5.75	--	--
4/18	118.0	0.20 U	10.0 U	84.4000	--	--	190.0	0.5330	0.54	0.05 U	158.0	5.79	--	--
9/18	129.0	0.20 U	10.0 U	84.9000	--	--	191.0	0.4650	0.48	0.05 U	80.0	5.57	--	--
4/19	124.0	0.10 U	10.0	75.6000	--	0.09	191.0 B	0.2000 U	--	--	102.7	5.59	5.78	--
8/19	153.0	0.10 U	6.3	97.8000	--	0.10	202.0	1.2000	--	--	3.7	5.36	6.05	--
3/20	138.0	0.10 U	14.2	81.5000	--	0.43	214.0	0.4000	--	--	0.5	5.67	5.84	--
8/20	152.0	0.10 U	15.9	91.3000	--	0.59	228.0	0.3500	--	--	-67.3	5.99	1.93	--
3/21	138.0	0.10 U	8.3	83.8000	--	0.05	194.0	0.5390	--	--	71.3	5.58	5.85	--

Gude Landfill
Monitoring Location OB12 - 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										
4/05	--	--	--	--	--	--	0	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	7.14	--	--	308.0	--	--	2.490	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	7.13	--	--	408.0	--	--	0.328	--
4/11	--	--	4.78	--	--	120.0	--	--	0.167	--
9/11	--	--	5.57	--	--	296.0	--	--	--	--
3/12	--	--	12.00	--	--	340.0	--	--	--	--
9/12	--	--	4.58	--	--	312.0	--	--	--	--
3/13	545.7	--	13.40	--	14.0	236.0	--	--	--	0.00
9/13	436.3	--	5.79	--	14.9	364.0	--	--	--	1.26
3/14	469.9	--	14.40	--	14.2	308.0	--	--	--	1.36

Gude Landfill
Monitoring Location OB12 - 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)
9/14	481.6	--	11.60	--	14.6	292.0	--	--	--	0.90
3/15	444.7	--	16.00	--	12.1	338.0	--	--	--	0.00
9/15	484.0	--	5.91	--	15.7	229.0	--	--	--	0.23
3/16	471.2	--	13.60	--	17.1	316.0	--	--	--	0.00
8/16	501.0	--	9.02	--	18.0	294.0	--	--	--	0.00
3/17	471.2	--	12.30	--	14.5	224.0	--	--	--	0.00
9/17	503.5	--	7.78	--	15.7	308.0	--	--	--	0.00
4/18	462.7	--	13.20	--	13.2	222.0	--	--	--	0.80
9/18	538.6	--	13.20	--	16.1	301.0	--	--	--	0.00
4/19	627.0	521.0	24.70	--	16.3	306.0	--	2.6 U	0.912	2.20
8/19	0.9	606.0	16.70	--	16.4	370.0	--	2.4 U	0.500 U	0.00
3/20	535.0	571.0	19.90	--	15.1	324.0	--	2.3 U	0.973	0.70
8/20	547.0	5890.0	16.00	--	17.5	385.0	--	2.3 U	0.500 U	2.90
3/21	513.0	590.0	26.20	--	15.5	328.0	--	2.3 U	0.500 U	0.18

Gude Landfill
Monitoring Location OB12 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01	3.3	0.005 U	0.01 U	24.8	0.005 U	0.01 U	0.005
9/11	0.01	--	--	--	--	--	--	--
3/12	0.01	2.9	0.005 U	0.01 U	30.7	0.005 U	0.01 U	0.006
9/12	0.01	2.9	0.005 U	0.01 U	22.5	0.005 U	0.01 U	0.008
3/13	0.01	2.9	0.005 U	0.01 U	27.6	0.005 U	0.01 U	0.006
9/13	0.01	2.8	0.005 U	0.01 U	22.2	0.005 U	0.01 U	0.005 U
3/14	0.01	2.7	0.005 U	0.01 U	24.1	0.005 U	0.01 U	0.007
9/14	0.01	2.6	0.005 U	0.01 U	25.6	0.005 U	0.01 U	0.009
3/15	0.01 J	3.9	0.035 U	0.01 U	28.0	0.002 U	0.01 U	0.010 U
9/15	0.01 U	2.7	0.005 U	0.00 U	25.0	0.001 U	0.01 U	0.005 U
3/16	0.01	3.6	0.002 U	0.00 U	25.8	0.001 U	0.00 U	0.002
8/16	0.01	3.0	0.002 U	0.00 U	26.0	0.001 U	0.00 U	0.002
3/17	0.01	2.4	0.002 U	0.00 U	25.0	0.001 U	0.00 U	0.004
9/17	0.01	2.6	0.002 U	0.00 U	25.4	0.001 U	0.00 U	0.003
4/18	0.01	3.1	0.002	0.00 U	24.2	0.001 U	0.00	0.004
9/18	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 6/22/21

	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
4/05	0.0028 U	0.0006 U	0.1420	0.0012 U	--	0.0020 U	--	0.0024	0.0020 U	0.0145	--	0.00200
9/05	0.0028 U	0.0006 U	0.0989	0.0012 U	--	0.0020 U	--	0.0020	0.0020 U	0.0215	--	0.00320
4/06	0.0006 U	0.0006 U	0.0431	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0102	--	0.00320
9/06	0.0007 U	0.0008 U	0.0360	0.0009 U	--	0.0020 U	--	0.0104	0.0020 U	0.0151	--	0.00460
4/07	0.0020 U	0.0008 U	0.0565	0.0009 U	0.037	--	--	0.0007 U	0.0005 U	0.0048	--	0.00070 U
10/07	0.0007 U	0.0008 U	0.0146	0.0009 U	0.046	--	--	0.0020	0.0005 U	0.0090	--	0.00200 U
3/08	0.0005 U	0.0006 U	0.0228	0.0010 U	0.045	--	--	0.0020 U	0.0012 U	0.0055	--	0.00100 U
9/08	0.0010 U	0.0012 U	0.0200 U	0.0020 U	0.064	--	--	0.0016 U	0.0024 U	0.0070	--	0.00200 U
3/09	0.0010 U	0.0010 U	0.0298	0.0012 U	0.063	--	--	0.0007 U	0.0007 U	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0020 U	0.0186	0.0020 U	--	0.0020 U	33.30	0.0020 U	0.0020 U	0.0061	0.3680	0.00200 U
7/10	0.0010 U	0.0009 J	0.0130	0.0010 U	--	0.0010 U	--	0.0006 J	0.0010 U	0.0006 J	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0153	0.0050 U	--	0.0050 U	32.30	0.0050 U	0.0050 U	0.0068	0.2280 J	0.00500 U
4/11	0.0050 U	0.0050 U	0.0211	0.0050 U	--	0.0050 U	34.10 J	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U
9/11	0.0050 U	0.0050 U	0.0173	0.0050 U	--	0.0050 U	33.00	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U
3/12	0.0050 U	0.0050 U	0.0174	0.0050 U	--	0.0050 U	38.30	0.0050 U	0.0050 U	0.0051	0.2000 U	0.00500 U
9/12	0.0050 U	0.0050 U	0.0180	0.0050 U	--	0.0050 U	26.50	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U
3/13	0.0050 U	0.0050 U	0.0194	0.0050 U	--	0.0050 U	36.70	0.0050 U	0.0050 U	0.0102	0.2000 J	0.00500 U
9/13	0.0050 U	0.0050 U	0.0178	0.0050 U	--	0.0050 U	33.80	0.0050 U	0.0050 U	0.0050 U	0.2000 U	0.00500 U
3/14	0.0050 U	0.0050 U	0.0206	0.0050 U	--	0.0050 U	35.00	0.0050 U	0.0050 U	0.0050 U	0.2080	0.00500 U
9/14	0.0050 U	0.0050 U	0.0215	0.0050 U	--	0.0050 U	36.50	0.0050 U	0.0050 U	0.0050 U	0.2340	0.00500 U
3/15	0.0020 U	0.0020 U	0.0140	0.0020 U	--	0.0040 U	39.00	0.0100 U	0.0100 U	0.0100 U	0.0050 U	0.00200 U

Gude Landfill
Monitoring Location OB12 - Total Metals

Printed 6/22/21

	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)
9/15	0.0010 U	0.0010 U	0.0140	0.0010 U	--	0.0005 U	39.00	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00100 U
3/16	0.0020 U	0.0020 U	0.0152	0.0020 U	--	0.0020 U	38.80	0.0022	0.0020 U	0.0020 U	0.2200	0.00200 U
8/16	0.0020 U	0.0020 U	0.0149	0.0020 U	--	0.0020 U	39.60	0.0020 U	0.0020 U	0.0020 U	0.2160	0.00200 U
3/17	0.0020 U	0.0020 U	0.0154	0.0020 U	--	0.0020 U	37.20	0.0042	0.0020 U	0.0033	0.2000 U	0.00200 U
9/17	0.0020 U	0.0020 U	0.0142	0.0020 U	--	0.0020 U	37.70	0.0020 U	0.0020 U	0.0020 U	0.2000 U	0.00200 U
4/18	0.0020 U	0.0020 U	0.0151	0.0020 U	--	0.0020 U	37.90	0.0049	0.0020 U	0.0020 U	0.0500 U	0.00200 U
9/18	0.0020 U	0.0020 U	0.0157	0.0020 U	--	0.0020 U	38.20	0.0030	0.0020 U	0.0020 U	0.0500 U	0.00200 U
4/19	0.0010 U	0.0010 U	0.0177	0.0010 U	--	0.0010 U	33.00 B	0.0010 U	0.0010	0.0010 U	0.1000 U	0.00100 U
8/19	0.0010 U	0.0010 U	0.0155	0.0010 U	--	0.0010 U	35.60	0.0010 U	0.0010 U	0.0010 U	0.1000 U	0.00100 U
3/20	0.0010 U	0.0010 U	0.0202	0.0010 U	--	0.0010 U	37.60	0.0012	0.0010 U	0.0010 U	0.0935 J	0.00100 U
8/20	0.0010 U	0.0010 U	0.0187	0.0010 U	--	0.0010 U	40.00	0.0015	0.0010 U	0.0010 U	0.0528 J	0.00100 U
3/21	0.0010 U	0.0010 U	0.0170	0.0010 U	--	0.0010 U	35.10	0.0010 U	0.0010 U	0.0010 U	0.0250 J	0.00100 U

Gude Landfill
Monitoring Location OB12 - Total Metals

Printed 6/22/21

	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			
4/05	--	1.03000	0.000600	0.0058	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
9/05	--	0.60740	0.000400	0.0069	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
4/06	--	0.23050	0.000500	0.0065	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00200 U	--
9/06	--	0.16810	0.001100	0.0156	--	0.00200 U	0.0020 U	--	0.0007 U	0.0050 U	0.00200 U	--
4/07	--	--	0.000200 U	0.0035	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.01300
10/07	--	--	0.001500	0.0062	--	0.00080 U	0.0005 U	--	0.0007 U	0.0020 U	0.00200 U	0.04780
3/08	--	--	0.000700	0.0064	--	0.00200 U	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U	0.02220
9/08	--	--	0.000200	0.0066	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02360
3/09	--	--	0.000200 U	0.0100 U	--	0.00120 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U	0.01250
9/09	19.700	0.10200	0.000300	0.0089	3.000	0.00200 U	0.0020 U	24.50	0.0020 U	--	0.00020 J	0.01000 U
7/10	--	--	0.000200 U	0.0066	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01400
9/10	19.800	0.10700	0.000200 U	0.0102	2.320	0.00500 U	0.0050 U	25.40	0.0050 U	--	0.00500 U	0.00773
4/11	27.000 J	0.10600	0.000200 U	0.0084	3.240	0.00500 U	0.0050 U	27.90 J	0.0050 U	--	0.00500 U	0.00765
9/11	20.600	0.10800	0.000200 U	--	2.690	0.00500 U	0.0050 U	22.80	0.0050 U	--	0.00500 U	0.00631
3/12	24.500	0.11400	0.000200 U	0.0093	3.260	0.00500 U	0.0050 U	30.00	0.0050 U	--	0.00500 U	0.00533
9/12	16.100	0.11900	0.000200 U	0.0070	2.970	0.00500 U	0.0050 U	18.20	0.0050 U	--	0.00500 U	0.00820
3/13	23.400	0.10500	0.000200 U	0.0082	3.330	0.00500 U	0.0050 U	28.40	0.0050 U	--	0.00500 U	0.00511
9/13	20.200	0.11800	0.000200 U	0.0069	2.880	0.00500 U	0.0050 U	21.20	0.0050 U	--	0.00500 U	0.00586
3/14	21.400	0.11500	0.000200 U	0.0076	2.890	0.00500 U	0.0050 U	22.00	0.0050 U	--	0.00500 U	0.00842
9/14	22.500	0.12900	0.000200 U	0.0092	2.510	0.00500 U	0.0050 U	25.10	0.0050 U	--	0.00500 U	0.00958
3/15	25.000	0.10000	0.000200 U	0.0088 J	3.100	0.03500 U	0.0100 U	27.00	0.0020 U	--	0.01000 U	0.01000 U

Gude Landfill
Monitoring Location OB12 - Total Metals

Printed 6/22/21

	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)
9/15	23.000	0.14000	0.000200 U	0.0100 U	2.600	0.00500 U	0.0010 U	25.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	24.400	0.10300	0.000200 U	0.0073	2.450	0.00200 U	0.0020 U	25.20	0.0010 U	--	0.00200 U	0.00200 U
8/16	24.900	0.13500	0.000200 U	0.0069	2.630	0.00200 U	0.0020 U	26.20	0.0010 U	--	0.00200 U	0.00200 U
3/17	23.100	0.12600	0.000200 U	0.0086	2.310	0.00221	0.0020 U	24.20	0.0010 U	--	0.00200 U	0.00263
9/17	22.500	0.13600	0.000200 U	0.0060	2.420	0.00200 U	0.0020 U	22.80	0.0010 U	--	0.00200 U	0.00315
4/18	23.200	0.10900	0.000200 U	0.0087	2.330	0.00240	0.0020 U	24.00	0.0010 U	--	0.00200 U	0.00373
9/18	23.200	0.13000	0.000200 U	0.0093	2.260	0.00243	0.0020 U	23.10	0.0010 U	--	0.00200 U	0.00273
4/19	26.400	0.11000	0.000100 U	0.0074	5.000	0.00100 U	0.0010 U	30.00	0.0010 U	--	0.00100 U	0.00755
8/19	27.600	0.15400	0.000100 U	0.0068	2.690	0.00100 U	0.0010 U	28.80	0.0010 U	--	0.00100 U	0.00584 B
3/20	29.100	0.13800	0.000100 U	0.0079	5.680	0.00100 U	0.0010 U	30.70	0.0010 U	--	0.00100 U	0.00400 U
8/20	31.000	0.17900	0.000100 U	0.0095	6.540	0.00100 U	0.0010 U	33.50	0.0010 U	--	0.00100 U	0.00466
3/21	26.000	0.11600	0.000100 U	0.0057	4.610	0.00100 U	0.0010 U	27.80	0.0010 U	--	0.00100 U	0.00540

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2,3-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
4/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	11.60	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	3.25	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	2.66	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	2.02	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	4.97	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	11.00 U	1.00 U	4.85	0.33 U	11.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	2.74	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	1.00 U	1.13	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	12.73	1.00 U	0.35 U	0.40 U	0.33 U	0.28 U	0.43 U	1.59	7.25	0.33 U	3.77
3/08	0.18 U	0.18 U	0.21 U	0.23 U	8.14	0.50 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.90	3.75	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	12.72	0.50 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	1.08	5.61	0.13 U	2.82
3/09	0.12 U	0.17 U	0.14 U	0.17 U	10.97	0.50 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.79	3.62	0.13 U	10.00 U
9/09	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	0.40 J	1.00 U	5.55	1.00 U	4.18
7/10	1.00 U	1.00 U	1.00 U	1.00 U	25.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	7.00	1.00 U	5.00
9/10	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	1.17 J	6.29	2.00 U	4.51
4/11	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	1.00 U	1.00 U	3.30	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	0.55	1.00 U	5.80	--	5.40
9/12	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	9.71	1.00 U	6.40
3/13	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	1.07	6.48	1.00 U	6.13
9/13	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	8.07	1.00 U	4.30
3/14	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	--	1.07	7.09	1.00 U	7.28

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/14	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	1.55	8.23	1.00 U	8.46
3/15	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	1.07	7.65	1.00 U	6.36
9/15	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	1.78	11.60	1.00 U	10.00
3/16	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	1.40	9.68	1.00 U	9.23
8/16	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	1.49	10.10	1.00 U	8.06
3/17	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	1.70	6.28	1.00 U	10.30
9/17	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	1.66	10.50	1.00 U	8.53
4/18	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	1.56	8.91	1.00 U	8.21
9/18	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	1.57	9.02	1.00 U	8.09
4/19	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	1.00 U	1.10	8.10	1.00 U	7.40
8/19	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	1.00 U	1.40	9.70	1.00 U	11.30
3/20	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	1.00 U	1.10	8.40	1.00 U	9.30
8/20	1.00 U	1.00 U	1.00 U	1.00 U	15.20	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.10	1.40	10.30	1.00 U	12.30
3/21	1.00 U	1.00 U	1.00 U	1.00 U	17.10	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.30	9.00	1.00 U	11.00

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
4/05	0.23 U	1.86	1.00 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	7.36
9/05	0.23 U	1.52	0.19 U	--	0.39 U	--	1.58	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.27
4/06	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	2.69
9/06	1.00 U	1.00 U	0.19 U	--	0.39 U	--	2.15	1.29	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	1.00 U	1.03
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	3.54	1.00 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.00 U
3/08	0.19 U	--	--	--	--	--	1.89	0.50 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.68	0.10 U
9/08	0.50 U	--	--	--	--	--	2.66	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.88	2.50
3/09	0.22 U	--	--	--	--	--	1.82	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.73	2.61
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.63	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.21	1.39
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	3.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00
9/10	2.00 U	2.00 U	2.00 U	2.00 U	0.70 J	2.00 U	3.46	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.46 J	1.64 J
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.61	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.27	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.27	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.23	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.82	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.69	1.00 U

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.95	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.82	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.65	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.41	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.38	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.23	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.40	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.95	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.02	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	4.96	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.57	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.18	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.66	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.25	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.30	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.44	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	9.00	5.00 U	3.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.50	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	3.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5
4/05	0.27 U	0.25 U	5.03	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	1.00	0.18 U	0.25 U	4.85
9/05	0.27 U	0.25 U	11.79	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	7.22	0.18 U	0.25 U	12.43
4/06	0.27 U	0.25 U	7.57	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	1.00 U	0.18 U	0.25 U	5.03
9/06	0.27 U	0.25 U	18.10	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	12.30	0.18 U	0.25 U	21.98
4/07	0.27 U	0.25 U	22.60	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	1.72	0.18 U	0.25 U	1.00 U
10/07	0.27 U	0.25 U	25.91	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	6.16	1.00 U	0.25 U	23.67
3/08	0.21 U	0.50 U	25.54	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	9.35	0.22 U	0.20 U	16.57
9/08	0.12 U	0.20 U	26.92	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	6.24	0.11 U	0.11 U	21.49
3/09	0.12 U	0.20 U	26.86	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	4.91	0.11 U	0.11 U	7.95
9/09	1.00 U	1.00 U	21.40	1.00 U	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	15.40
7/10	1.00 U	1.00 U	29.00	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	--	1.00 U	9.00	1.00 U	1.00 U	29.00
9/10	2.00 U	2.00 U	26.20	2.00 U	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	17.10
4/11	1.00 U	2.10	14.00	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	10.00	--	1.00 U	12.00
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.80
3/12	1.00 U	1.00 U	23.00	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.90	--	1.00 U	22.00
9/12	1.00 U	1.00 U	32.10	1.00 U	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	26.50
3/13	1.00 U	1.00 U	22.50	1.00 U	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	22.30
9/13	1.00 U	1.00 U	30.60	1.00 U	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	14.40
3/14	1.00 U	1.00 U	24.90	1.00 U	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	20.80

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
9/14	1.00 U	1.00 U	31.30	1.00 U	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	18.50
3/15	1.00 U	1.00 U	24.50	1.00 U	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	15.60
9/15	1.00 U	1.00 U	43.20	1.00 U	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	26.20
3/16	1.00 U	1.00 U	31.60	1.00 U	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	20.70
8/16	1.00 U	1.00 U	38.40	1.00 U	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	17.80
3/17	1.00 U	1.00 U	47.40	1.00 U	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	22.40
9/17	1.00 U	1.00 U	43.70	1.00 U	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	21.20
4/18	1.00 U	1.00 U	33.00	1.00 U	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	18.20
9/18	1.00 U	1.00 U	34.50	1.00 U	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	15.80
4/19	1.00 U	1.00 U	27.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.10	1.00 U	1.00 U	13.00
8/19	1.00 U	1.00 U	44.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U	3.20 J	1.00 U	1.00 U	16.20
3/20	1.00 U	1.00 U	34.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U	3.60	1.00 U	1.00 U	14.80
8/20	1.00 U	1.00 U	47.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U	3.10	1.00 U	1.00 U	17.00
3/21	1.00 U	1.00 U	37.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U	3.00	1.00 U	1.00 U	14.60

Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	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	1000	100			5			2	10000
4/05	1.00 U	0.45 U	0.24 U	1.00 U	10.18	0.36 U	--	1.01	0.18 U
9/05	0.32 U	1.00 U	0.24 U	0.30 U	14.72	2.57	--	1.80	0.18 U
4/06	0.32 U	0.45 U	0.24 U	0.30 U	13.99	0.36 U	--	1.00 U	0.18 U
9/06	0.32 U	1.38	0.24 U	0.30 U	17.23	2.26	--	6.32	0.18 U
4/07	0.32 U	1.00 U	0.24 U	0.30 U	0.31 U	0.36 U	--	1.54	0.18 U
10/07	1.00 U	2.68	0.24 U	0.30 U	24.95	3.46	--	2.90	1.00 U
3/08	0.28 U	1.42	0.08 U	--	12.65	1.91	--	6.72	0.22 U
9/08	0.50 U	1.52	0.13 U	--	18.35	1.78	--	3.97	0.11 U
3/09	0.50 U	1.23	0.13 U	--	6.22	0.80	--	6.99	0.11 U
9/09	1.00 U	1.91	1.00 U	1.00 U	18.10	2.42	--	6.30	1.00 U
7/10	1.00 U	2.00	1.00 U	5.00 U	22.00	1.00 U	1.00 U	4.00	1.00 U
9/10	2.00 U	2.44	2.00 U	2.00 U	20.30	3.80	2.00 U	6.22	2.00 U
4/11	1.00 U	1.80	1.00 U	5.00 U	9.40	4.50	6.60	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	2.50	1.00 U	5.00 U	17.00	2.20	1.00 U	6.40	1.00 U
9/12	1.00 U	1.00 U	1.00 U	5.00 U	24.90	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	2.55	1.00 U	5.00 U	16.70	2.17	5.00 U	6.64	1.00 U
9/13	1.00 U	2.09	1.00 U	5.00 U	16.00	1.74	5.00 U	2.95	1.00 U
3/14	1.00 U	2.81	1.00 U	5.00 U	16.70	1.87	5.00 U	5.70	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB12 - Volatile Organic Compounds

Printed 6/22/21

	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)
9/14	1.00 U	2.91	1.00 U	5.00 U	18.30	2.21	5.00 U	5.66	1.00 U
3/15	1.00 U	2.50	1.00 U	5.00 U	15.00	1.47	5.00 U	5.76	1.00 U
9/15	1.00 U	2.65	1.00 U	5.00 U	28.90	2.47	5.00 U	3.84	1.00 U
3/16	1.00 U	3.13	1.00 U	5.00 U	19.70	1.92	5.00 U	6.39	1.00 U
8/16	1.00 U	2.51	1.00 U	5.00 U	20.30	2.09	5.00 U	3.88	1.00 U
3/17	1.00 U	3.69	1.00 U	5.00 U	15.40	2.54	5.00 U	5.80	1.00 U
9/17	1.00 U	2.52	1.00 U	5.00 U	21.30	2.29	5.00 U	3.38	1.00 U
4/18	1.00 U	2.69	1.00 U	5.00 U	17.70	1.73	5.00 U	4.14	1.00 U
9/18	1.00 U	2.71	1.00 U	5.00 U	17.40	2.48	5.00 U	4.56	1.00 U
4/19	1.00 U	3.20	1.00 U	1.00 U	12.30	1.10	1.00 U	7.10	1.00 U
8/19	1.00 U	2.60	1.00 U	1.00 U	16.00	1.50	1.00 U	6.20	1.00 U
3/20	1.00 U	3.00	1.00 U	1.00 U	14.90	1.50	1.00 U	8.40	1.00 U
8/20	1.00 U	2.80	1.00 U	1.00 U	17.40	1.70	1.00 U	7.00	1.00 U
3/21	1.00 U	3.20	1.00 U	1.00 U	13.90	1.40	1.00 U	9.50	1.00 U

Gude Landfill
Monitoring Location OB015 - General Parameters

Printed 6/22/21

	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				
5/01	--	--	--	9.1803	0.002	--	--	--	--	--	--	--	--	--
9/01	--	--	--	7.2977	0.004	--	--	--	--	--	--	--	--	--
3/02	--	--	--	20.6060	0.006	--	--	--	--	--	--	--	--	--
9/02	--	--	--	58.4814	0.001	--	--	--	--	--	--	--	--	--
6/03	--	--	--	2.5623	0.002 U	--	--	--	--	--	--	--	--	0.018
10/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.056
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.105
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.024
9/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.060
4/07	--	--	--	--	0.064	--	--	--	--	--	--	--	--	0.029
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	242.0	0.65	49.3	3.1600	--	--	600.0	0.2000 U	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	230.0	0.29	11.2	7.7300	--	--	165.0	0.0080 U	0.20 U	0.05 U	--	--	--	--
4/11	74.0	0.20 U	10.0 U	4.6100	--	--	114.0	0.2000 U	0.20 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB015 - General Parameters

Printed 6/22/21

	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)
9/11	228.0	0.31	27.3	10.0000	--	--	156.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	51.0	0.20 U	10.0 U	3.9500	--	--	140.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	226.0	0.27	17.8	11.9000	--	--	120.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	33.0	0.20 U	10.0 U	4.7300	--	0.63	94.0	0.2920	0.30	0.05 U	406.0	5.78	--	--
9/13	151.0	0.20 U	10.0 U	10.8000	--	--	120.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/14	29.0	0.20 U	10.0 U	4.0400	--	0.67	96.0	0.6780	--	--	386.0	5.40	--	--
9/14	91.0	0.20 U	11.4	10.3000	--	--	102.0	0.2000 U	0.20 U	0.05 U	292.0	6.03	--	--
3/15	33.0	0.20 U	10.0 U	5.9600	--	0.00	112.0	1.7800	1.83	0.05 U	374.0	6.26	--	--
9/15	88.0	0.20 U	10.0 U	9.0100	--	1.80	320.0	0.2000 U	0.20 U	0.05 U	159.0	6.04	--	--
3/16	36.0	0.20 U	10.0 U	7.1400	--	0.00	92.0	5.1850	5.32	0.14	299.0	5.98	--	--
8/16	151.0	0.20 U	10.0 U	12.3000	--	2.18	140.0	0.2000 U	0.20 U	0.05 U	209.0	5.84	--	--
3/17	270.0	0.20 U	10.0 U	17.9000	--	--	340.0	0.2000 U	0.20 U	0.05 U	156.0	6.28	--	--
9/17	242.0	0.20 U	10.0 U	16.5000	--	--	142.0	0.2000 U	0.20 U	0.05 U	177.0	6.39	--	--
4/18	177.0	0.20 U	10.0 U	14.3000	--	0.16	111.0	0.2830	0.29	0.05 U	128.0	6.24	--	--
9/18	82.7	0.20 U	18.7	11.4000	--	--	87.2	0.2000 U	0.20 U	0.05 U	134.0	5.79	--	--
4/19	50.9	0.18	3.0 J	7.1000	--	0.79	134.0 B	0.5000	--	--	115.7	5.43	5.61	--
8/19	82.7	0.10 U	3.0 U	10.3000	--	1.42	91.7	0.6000	--	--	137.9	5.56	6.45	--
3/20	94.8	0.10 U	3.0 U	9.8000	--	0.71	92.8	1.2700	--	--	107.4	6.00	6.18	--
8/20	63.1	0.10 U	8.9	8.3000	--	1.10	105.0	0.7800	--	--	118.0	5.73	5.76	--
3/21	60.0	0.10 U	3.0 U	5.9200	--	0.18	109.0	0.2450	--	--	136.3	5.53	5.76	--

Gude Landfill Monitoring Location OB015 - 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										
5/01	--	--	--	--	--	--	--	--	280.000	--
9/01	--	--	--	--	--	--	--	--	255.000	--
3/02	--	--	--	--	--	--	--	--	102.000	--
9/02	--	--	--	--	--	--	--	--	592.000	--
6/03	--	--	--	--	--	--	0	--	167.000	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	78.60	--	--	328.0	--	--	125.000	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	56.50	--	--	324.0	--	--	25.400	--
4/11	--	--	78.90	--	--	420.0	--	--	96.800	--

Gude Landfill
Monitoring Location OB015 - General Parameters

Printed 6/22/21

	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)
9/11	--	--	49.20	--	--	528.0	--	--	--	--
3/12	--	--	93.20	--	--	272.0	--	--	--	--
9/12	--	--	37.90	--	--	308.0	--	--	--	--
3/13	329.0	--	92.80	--	15.1	184.0	--	--	--	46.80
9/13	--	--	63.30	--	--	244.0	--	--	--	--
3/14	236.8	--	91.80	--	15.4	164.0	--	--	--	33.00
9/14	248.6	--	69.10	--	15.7	198.0	--	--	--	48.10
3/15	202.3	--	79.00	--	7.3	192.0	--	--	--	22.10
9/15	324.7	--	64.20	--	21.2	133.0	--	--	--	31.60
3/16	253.7	--	60.60	--	18.2	168.0	--	--	--	22.90
8/16	323.4	--	65.10	--	24.9	219.0	--	--	--	32.30
3/17	633.5	--	68.10	--	16.3	315.0	--	--	--	6.00
9/17	590.0	--	67.60	--	20.0	377.0	--	--	--	49.00
4/18	451.6	--	52.30	--	13.7	287.0	--	--	--	30.80
9/18	307.9	--	4.91	--	19.9	117.0	--	--	--	26.20
4/19	366.7	303.0	91.00	--	17.0	186.0	--	2.7 U	4.530	4.40
8/19	0.3	325.0	74.40	--	20.5	197.0	--	23.4	28.800	281.12
3/20	311.4	331.0	57.90	--	15.2	151.0	--	2.3 U	4.660	4.90
8/20	281.1	307.0	58.40	--	18.9	185.0	--	18.8	31.200 O-	48.20
3/21	294.5	303.0	84.70	--	18.1	120.0	--	3.3	7.320	11.30

Gude Landfill
Monitoring Location OB015 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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		
4/11	0.01	1.9	0.005 U	0.01 U	29.2	0.005 U	0.01 U	0.033
9/11	0.01	--	--	--	--	--	--	--
3/12	0.02	2.2	0.005 U	0.01 U	40.3	0.005 U	0.01 U	0.072
9/12	0.02	--	--	--	--	--	--	--
3/13	0.01	2.2	0.005 U	0.01 U	25.9	0.005 U	0.01 U	0.138
9/13	0.01	2.1	0.005 U	0.01 U	51.7	0.005 U	0.01 U	0.058
3/14	0.01	1.9	0.005 U	0.01 U	17.6	0.005 U	0.01 U	0.053
9/14	0.01	1.9	0.005 U	0.01 U	28.9	0.005 U	--	0.070
3/15	0.01 J	1.7	0.035 U	0.01 U	20.0	0.002 U	0.01 U	0.036
9/15	0.01 U	2.0	0.005 U	0.00 U	41.0	0.001 U	0.01 U	0.070
3/16	0.01	1.4	0.002 U	0.00 U	17.1	0.001 U	0.00 U	0.035
8/16	0.01	1.8	0.002 U	0.00 U	49.3	0.001 U	0.00 U	0.047
3/17	0.02	2.2	0.002 U	0.00 U	94.0	0.001 U	0.00 U	0.029
9/17	0.01	2.0	0.002 U	0.00 U	75.8	0.001 U	0.00 U	0.013
4/18	0.00	1.9	0.002 U	0.00 U	70.0	0.001 U	0.00 U	0.015
9/18	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 6/22/21

	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
5/01	0.0007 U	0.0020 U	0.0443	0.0005 U	--	0.0006 U	--	0.0034	0.0034	0.0100 U	--	0.00250
9/01	0.0020 U	0.0105	0.0795	0.0017 U	--	0.0020 U	--	0.0200	0.0155	0.0497	--	0.04130
3/02	0.0005 U	0.0020 U	0.0487	0.0017 U	--	0.0006 U	--	0.0034	0.0061	0.0133	--	0.00310
9/02	0.0007 U	0.0310	0.9000	0.0090	--	0.0150	--	0.4250	0.2930	0.7730	--	0.29900
6/03	0.0007 U	0.0020 U	0.1019	0.0004 U	--	0.0020 U	--	0.0047	0.0242	0.0213	--	0.00600
10/03	0.0045 U	0.0040 U	0.0999	0.0080 U	--	0.0035 U	--	0.0100 U	0.0213	0.0500 U	--	0.01000 U
3/04	0.0009 U	0.0008 U	0.1026	0.0016 U	--	0.0007 U	--	0.0020 U	0.0217	0.0113	--	0.00260
9/04	0.0028 U	0.0031	0.3716	0.0039	--	0.0020 U	--	0.1041	0.0583	0.0416	--	0.02420
4/05	0.0028 U	0.0006 U	0.0852	0.0012 U	--	0.0003 U	--	0.0020 U	0.0219	0.0153	--	0.00200 U
4/06	0.0006 U	0.0020 U	0.0991	0.0007 U	--	0.0020 U	--	0.0090	0.0163	0.0267	--	0.00880
9/06	0.0140 U	0.0400 U	0.3997	0.0180 U	--	0.0120 U	--	0.3214	0.2322	0.5593	--	0.17470
4/07	0.0007 U	0.0008 U	0.0364	0.0009 U	0.045	--	--	0.0007 U	0.0020 U	0.0061	--	0.00200 U
10/07	0.0070 U	0.0080 U	0.2282	0.0090 U	0.200 U	--	--	0.0521	0.0599	0.1171	--	0.04090
3/08	0.0005 U	0.0006 U	0.0856	0.0010 U	0.037	--	--	0.0020 U	0.0095	0.0067	--	0.00200 U
3/09	0.0010 U	0.0010 U	0.0881	0.0012 U	0.054	--	--	0.0100 U	0.0134	0.0100 U	--	0.01000 U
9/09	0.0020 U	0.0069	0.1190	0.0020 U	--	0.0042	29.50	0.0190	0.0273	0.0475	54.9000	0.01700
7/10	0.0010 U	0.0015	0.0720	0.0010 U	--	0.0010 U	--	0.0035	0.0068	0.0022	--	0.00070 J
9/10	0.0050 U	0.0050 U	0.0785	0.0050 U	--	0.0050 U	18.00	0.0050 U	0.0050 U	0.0083	27.3000	0.00500 U
4/11	0.0050 U	0.0050 U	0.0857	0.0050 U	--	0.0050 U	14.80 J	0.0053	0.0072	0.0119	9.2400	0.00500 U
9/11	0.0050 U	0.0050 U	0.0919	0.0050 U	--	0.0050 U	21.60	0.0050 U	0.0062	0.0094	39.4000	0.00500 U
3/12	0.0050 U	0.0050 U	0.0722	0.0050 U	--	0.0050 U	16.50	0.0050 U	0.0050 U	0.0066	6.6000	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB015 - Total Metals

Printed 6/22/21

	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)
9/12	0.0050 U	0.0070	0.0923	0.0050 U	--	0.0050 U	18.30	0.0114	0.0165	0.0408	47.8000	0.00794
3/13	0.0050 U	0.0050 U	0.0709	0.0050 U	--	0.0050 U	12.90	0.0050 U	0.0050 U	0.0100	2.8500	0.00500 U
9/13	0.0050 U	0.0050 U	0.0624	0.0050 U	--	0.0050 U	16.80	0.0050 U	0.0116	0.0059	17.3000	0.00500 U
3/14	0.0050 U	0.0050 U	0.0635	0.0050 U	--	0.0050 U	12.00	0.0050 U	0.0050 U	0.0069	1.9800	0.00500 U
9/14	0.0050 U	0.0050 U	0.0944	0.0050 U	--	0.0050 U	11.60	0.0096	0.0174	0.0281	52.5000	0.00818
3/15	0.0020 U	0.0020 U	0.0510	0.0020 U	--	0.0040 U	9.50	0.0100 U	0.0100 U	0.0018 J	1.9000	0.00200 U
9/15	0.0010 U	0.0011	0.0630	0.0013	--	0.0005 U	10.00	0.0050 U	0.0092	0.0050 U	24.0000	0.00150
3/16	0.0050 U	0.0050 U	0.0656	0.0050 U	--	0.0050 U	13.30	0.0050 U	0.0050 U	0.0050 U	1.6900	0.00500 U
8/16	0.0020 U	0.0020 U	0.0704	0.0020 U	--	0.0020 U	12.40	0.0020 U	0.0104	0.0056	22.4000	0.00200 U
3/17	0.0020 U	0.0020 U	0.0944	0.0020 U	--	0.0020 U	22.60	0.0034	0.0049	0.0194	9.9600	0.00200 U
9/17	0.0050 U	0.0050 U	0.0948	0.0050 U	--	0.0050 U	21.10	0.0050 U	0.0050 U	0.0080	18.5000	0.00500 U
4/18	0.0020 U	0.0020 U	0.0669	0.0020 U	--	0.0020 U	15.50	0.0026	0.0020 U	0.0020 U	1.3200	0.00200 U
9/18	0.0050 U	0.0050 U	0.0280	0.0050 U	--	0.0050 U	24.60	0.0050 U	0.0050 U	0.0050 U	0.4830	0.00500 U
4/19	0.0010 U	0.0010 U	0.0875	0.0010 U	--	0.0010 U	11.70 B	0.0013	0.0052	0.0010 U	0.7130	0.00100 U
8/19	0.0010 U	0.0010 U	0.0591	0.0010 U	--	0.0010 U	9.21	0.0098	0.0010 U	0.0039 B	2.9800	0.00100 U
3/20	0.0010 U	0.0010 U	0.0583	0.0010 U	--	0.0010 U	9.12	0.0011	0.0010 U	0.0010 U	0.7790	0.00100 U
8/20	0.0010 U	0.0010 U	0.0657	0.0010 U	--	0.0010 U	9.83	0.0038	0.0010 U	0.0040	5.8200	0.00100 U
3/21	0.0010 U	0.0010 U	0.0680	0.0010 U	--	0.0010 U	9.86	0.0010 U	0.0017	0.0010 U	1.1400	0.00100 U

Gude Landfill
Monitoring Location OB015 - Total Metals

Printed 6/22/21

	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			
5/01	--	0.46530	0.000100 U	0.0061	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00200 U	--
9/01	--	1.03500	0.000100 U	0.0255	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00600	--
3/02	--	0.70070	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
9/02	--	7.31100	0.000600	0.6290	--	0.00120 U	0.0096 U	--	0.0010 U	0.0259	0.19800	--
6/03	--	5.64200	0.000200 U	0.0234	--	0.00120 U	0.0096 U	--	0.0010 U	0.0020 U	0.00290	--
10/03	--	3.50000	0.000200 U	0.0288	--	0.00350 U	0.0110 U	--	0.0020 U	0.0020 U	0.01000 U	--
3/04	--	0.02000 U	0.000200 U	0.0206	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00200 U	--
9/04	--	6.42200	0.000200 U	0.1422	--	0.01340	0.0018 U	--	0.0006 U	0.0020 U	0.03900	--
4/05	--	4.44000	0.000200 U	0.0197	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
4/06	--	0.00200 U	0.000100 U	0.0259	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00320	--
9/06	--	9.22350	0.000300	0.4895	--	0.04000 U	--	--	0.0140 U	0.0233	0.14770	--
4/07	--	--	0.000200 U	0.0086	--	0.00080 U	0.0005 U	--	0.0007 U	0.0500 U	0.00200 U	0.00810
10/07	--	--	0.000200 U	0.1120	--	0.00800 U	0.0050 U	--	0.0070 U	0.0020 U	0.02820	1.21550
3/08	--	--	0.000200 U	0.0084	--	0.00090 U	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U	0.02200
3/09	--	--	0.000200 U	0.0157	--	0.00120 U	0.0043 U	--	0.0008 U	0.0011 U	0.01000 U	0.09550
9/09	23.200	5.73000	0.000200 U	0.0473	3.150	0.00200 U	0.0020 U	35.00	0.0020 U	--	0.00520	0.69800
7/10	--	--	0.000200 U	0.0100	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.02000
9/10	17.400	3.87000	0.000200 U	0.0098	2.180	0.00500 U	0.0050 U	53.30	0.0050 U	--	0.00500 U	0.02120
4/11	22.000 J	1.78000	0.000200 U	0.0149	2.290	0.00500 U	0.0050 U	36.10 J	0.0050 U	--	0.00500 U	0.05440
9/11	21.600	3.27000	0.000200 U	--	2.460	0.00500 U	0.0050 U	59.10	0.0050 U	--	0.00500 U	0.06680
3/12	21.300	1.28000	0.000200 U	0.0144	2.120	0.00500 U	0.0050 U	29.20	0.0050 U	--	0.00500 U	0.09660

Gude Landfill
Monitoring Location OB015 - Total Metals

Printed 6/22/21

	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)
9/12	17.400	2.50000	0.000200 U	--	2.320	0.00500 U	0.0050 U	62.50	0.0050 U	--	0.00500 U	0.39700
3/13	16.000	0.16300	0.000200 U	0.0143	2.040	0.00500 U	0.0050 U	26.10	0.0050 U	--	0.00500 U	0.13600
9/13	17.300	1.10000	0.000200 U	0.0087	2.070	0.00500 U	0.0050 U	50.60	0.0050 U	--	0.00500 U	0.05160
3/14	14.500	0.13000	0.000200 U	0.0115	1.840	0.00500 U	0.0050 U	17.30	0.0050 U	--	0.00500 U	0.07230
9/14	14.500	0.63900	0.000200 U	0.0214	1.800	0.00500 U	0.0050 U	30.60	0.0050 U	--	0.00500 U	0.18300
3/15	15.000	0.02800	0.000200 U	0.0061 J	1.700	0.03500 U	0.0100 U	20.00	0.0020 U	--	0.01000 U	0.03400
9/15	14.000	0.72000	0.000200 U	0.0100 U	1.900	0.00500 U	0.0010 U	34.00	0.0010 U	--	0.00500 U	0.08300
3/16	19.500	0.08510	0.000200 U	0.0119	1.820	0.00500 U	0.0050 U	22.00	0.0050 U	--	0.00500 U	0.04340
8/16	15.900	0.81600	0.000200 U	0.0130	1.740	0.00200 U	0.0020 U	42.40	0.0010 U	--	0.00200 U	0.08660
3/17	25.000	1.74000	0.000200 U	0.0180	2.210	0.00200 U	0.0020 U	92.40	0.0010 U	--	0.00200 U	0.04390
9/17	21.000	1.26000	0.000200 U	0.0076	2.050	0.00500 U	0.0050 U	88.10	0.0050 U	--	0.00500 U	0.04990
4/18	17.500	0.14400	0.000200 U	0.0049	1.940	0.00200 U	0.0020 U	73.80	0.0010 U	--	0.00200 U	0.01610
9/18	6.250	0.08350	0.000200 U	0.0050 U	3.820	0.00500 U	0.0050 U	9.03	0.0050 U	--	0.00500 U	0.00580
4/19	25.400	1.92000	0.000100 U	0.0343	1.980	0.00100 U	0.0010 U	8.44	0.0010 U	--	0.00100 U	0.06130
8/19	16.700	0.06640	0.000100 U	0.0087	1.770	0.00100 U	0.0010 U	32.70	0.0010 U	--	0.00100 U	0.02960 B
3/20	17.000	0.44800	0.000100 U	0.0101	1.780	0.00100 U	0.0010 U	39.90	0.0010 U	--	0.00100 U	0.02030
8/20	19.400	0.06620	0.000100 U	0.0082	1.880	0.00100 U	0.0010 U	24.60	0.0010 U	--	0.00100 U	0.02700
3/21	20.400	0.89700	0.000100 U	0.0152	1.700	0.00100 U	0.0010 U	12.80	0.0010 U	--	0.00100 U	0.03390

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 6/22/21

	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)	1,1,2-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	1.65	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	0.19 U	0.17 U	0.21 U	0.19 U	1.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	2.69	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	1.00 U	0.17 U	0.21 U	0.19 U	1.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	3.21	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	1.00 U	0.25 U	1.48	0.37 U	0.35 U	0.40 U	1.34	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	3.19	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	1.88	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	11.00 U	0.27 U	0.34 U	0.33 U	11.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	7.04	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	--	--	--	--	--	--	--	--	--	--	10.00 U	--	--	--	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	4.20	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	10.00 U	0.18 U	0.17 U	0.20 U	0.23 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	4.04	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.50 U	0.13 U	10.00 U
9/09	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	0.39 U	1.00 U	0.17 U
7/10	1.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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	1.00 U	1.00 U	1.00 U
9/13	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	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U
9/14	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	1.00 U	1.00 U	1.00 U
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
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	1.00 U	1.00 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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/16	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	1.00 U	1.00 U	1.00 U
3/17	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	1.00 U	2.36	1.00 U
9/17	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	1.00 U	1.84	1.00 U
4/18	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	1.00 U	1.00 U	1.00 U
9/18	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
5/01	0.11 U	--	1.00 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.81	0.15 U	0.28 U	1.00 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.00 U
10/03	0.11 U	3.49	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	1.00 U
3/04	0.11 U	35.64	1.00 U	--	1.00 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	1.77	0.15 U	0.28 U	1.00 U
9/04	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	6.45	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	1.00 U
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/08	0.19 U	--	--	--	--	--	0.50 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.50 U
3/09	0.22 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	1.00 U	1.00 U	0.19 J	1.00 U	0.20 J	1.00 U	0.49 J	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	0.39 J
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	0.98 J
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB015 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	15.10	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB015 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
5/01	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/01	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.84	0.27 U	0.21 U	1.00 U	0.24 U
3/02	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	1.00 U	0.24 U
6/03	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
10/03	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	1.00 U
9/04	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	1.00 U	1.28	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/08	0.21 U	0.15 U	1.10	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
3/09	0.12 U	0.20 U	1.17	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	1.51	1.00 U	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
7/10	1.00 U	1.00 U	0.90 J	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	1.00 U
9/10	2.00 U	2.00 U	1.02 J	2.00 U	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	0.54 J	2.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U

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Monitoring Location OB015 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.10	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.02	1.00 U	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
3/17	1.00 U	1.00 U	3.27	1.00 U	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
9/17	1.00 U	1.00 U	3.21	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB015 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
5/01	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	0.27 U
9/01	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
10/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	7.44	0.27 U
3/04	1.00 U	0.13 U	0.14 U	1.24	0.18 U	--	18.30	0.27 U
9/04	0.45 U	0.24 U	0.30 U	1.42	0.36 U	--	4.28	0.18 U
4/05	0.45 U	0.24 U	1.00 U	1.00 U	0.36 U	--	6.37	0.18 U
4/06	1.00 U	0.24 U	0.30 U	2.73	0.36 U	--	6.33	0.18 U
9/06	0.45 U	0.24 U	0.30 U	1.75	0.36 U	--	11.66	0.18 U
4/07	1.00 U	0.24 U	0.30 U	1.16	0.36 U	--	18.40	0.18 U
10/07	--	--	--	--	--	--	--	--
3/08	0.50 U	0.08 U	--	0.65	0.07 U	--	6.29	0.22 U
3/09	0.50 U	0.13 U	--	0.50 U	0.10 U	--	2.78	0.11 U
9/09	1.00 U	1.00 U	1.00 U	0.91 J	1.00 U	--	3.92	1.00 U
7/10	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1.00 U	3.00	1.00 U
9/10	2.00 U	2.00 U	2.00 U	1.23 J	2.00 U	2.00 U	10.20	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.10	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB015 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	2.20	1.00 U	1.00 U	1.90	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.18	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	2.11	1.00 U	5.00 U	1.87	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.70	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.73	1.00 U	5.00 U	1.17	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 OB025 - General Parameters

Printed 6/22/21

	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				
5/01	--	--	--	112.3660	0.002	--	--	--	--	--	--	--	--	--
9/01	--	--	--	108.9420	0.004	--	--	--	--	--	--	--	--	--
3/02	--	--	--	21.4801	0.002	--	--	--	--	--	--	--	--	--
9/02	--	--	--	190.5350	0.003	--	--	--	--	--	--	--	--	--
6/03	--	--	--	93.1125	0.005 U	--	--	--	--	--	--	--	--	0.028
10/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
3/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.041
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.055
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.011
4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	423.0	1.57	1080.0	156.0000	--	--	740.0	0.6782	--	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - General Parameters

Printed 6/22/21

	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)
9/10	472.0	3.69	90.0	173.0000	--	--	750.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
4/11	282.0	0.63	107.0	62.3000	--	--	450.0	1.3300	1.38	0.05 U	--	--	--	--
9/11	267.0	1.91	19.6	86.6000	--	--	292.0	0.2000 U	0.22	0.05 U	--	--	--	--
3/12	249.0	0.73	18.6	73.5000	--	--	356.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
9/12	374.0	2.31	23.5	158.0000	--	--	500.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	268.0	0.20 U	21.6	59.5000	--	7.91	316.0	0.6060	0.66	0.05 U	381.0	7.16	--	--
9/13	387.0	2.94	17.2	175.0000	--	2.74	490.0	0.2000 U	0.20 U	0.05 U	364.0	6.12	--	--
3/14	194.0	0.20 U	10.0 U	34.8000	--	7.66	238.0	2.1300	--	--	305.0	6.86	--	--
9/14	287.0	0.95	28.6	80.2000	--	4.53	354.0	0.7560	0.81	0.05 U	309.0	6.89	--	--
3/15	316.0	0.20 U	20.0	147.0000	--	7.33	440.0	2.2200	2.27	0.05 U	354.0	6.83	--	--
9/15	323.0	0.54	17.8	168.0000	--	--	460.0	1.9300	1.94	0.05 U	274.0	6.23	--	--
3/16	307.0	1.81	19.1	195.0000	--	4.42	428.0	0.7310	0.78	0.05 U	218.0	6.42	--	--
8/16	330.0	2.82	24.1	191.0000	--	--	292.0	0.2000 U	0.20 U	0.05 U	219.0	6.09	--	--
3/17	335.0	1.15	16.9	211.0000	--	--	584.0	1.7100	1.72	0.05 U	355.0	6.51	--	--
9/17	296.0	2.25	16.8	219.0000	--	0.96	520.0	0.8070	0.86	0.05 U	244.0	6.39	--	--
3/18	280.0	0.61	27.1	250.0000	--	--	524.0	2.3100	2.32	0.05 U	207.0	6.32	--	--
9/18	300.0	2.67	26.3	251.0000	--	--	455.0	0.2000 U	0.20	0.05 U	88.0	5.86	--	--
4/19	315.0	0.33	25.0	191.0000	--	1.63	388.0 B	0.2000 U	--	--	138.7	6.36	6.26	--
7/19	330.0	1.96	22.2	170.0000	--	0.23	354.0 B	1.9000	--	--	200.0	5.99	5.32	--
3/20	310.0	0.37	25.6	190.0000	--	2.15	377.0	3.2700	--	--	180.0	6.32	6.41	--
7/20	329.0	3.65	34.7	158.0000	--	0.68	366.0	0.2000 U	--	--	112.4	5.59	6.20	--
3/21	330.0	0.37	17.0	150.0000	--	0.07	315.0	3.8500	--	--	82.3	6.30	6.38	--

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										
5/01	--	--	--	--	--	--	--	--	56.000	--
9/01	--	--	--	--	--	--	--	--	37.000	--
3/02	--	--	--	--	--	--	--	--	966.000	--
9/02	--	--	--	--	--	--	--	--	225.000	--
6/03	--	--	--	--	--	--	0	--	94.000	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	71.80	--	--	888.0	--	--	10100.000	--
7/10	--	--	--	3.0 U	--	--	--	--	--	--

Gude Landfill
Monitoring Location OB025 - General Parameters

Printed 6/22/21

	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)
9/10	--	--	67.00	--	--	916.0	--	--	357.000	--
4/11	--	--	32.10 J	--	--	532.0	--	--	15050.000	--
9/11	--	--	39.70	--	--	252.0	--	--	--	--
3/12	--	--	44.10	--	--	568.0	--	--	--	--
9/12	--	--	61.80	--	--	756.0	--	--	--	--
3/13	394.5	--	39.60	--	10.2	454.0	--	--	--	51.00
9/13	807.1	--	65.00	--	17.7	838.0	--	--	--	153.00
3/14	491.2	--	32.60	--	9.0	324.0	--	--	--	65.00
9/14	544.0	--	37.20	--	17.1	516.0	--	--	--	37.60
3/15	959.8	--	47.50	--	13.7	666.0	--	--	--	14.40
9/15	356.3	--	47.20	--	28.3	593.0	--	--	--	14.00
3/16	1075.0	--	51.40	--	11.4	694.0	--	--	--	45.70
8/16	1178.0	--	45.40	--	26.7	681.0	--	--	--	22.70
3/17	1143.0	--	44.30	--	18.8	701.0	--	--	--	48.10
9/17	1215.0	--	45.90	--	19.0	780.0	--	--	--	21.50
3/18	1215.0	--	48.90	--	25.8	736.0	--	--	--	22.90
9/18	1358.0	--	41.30	--	23.6	751.0	--	--	--	35.00
4/19	1449.0	1210.0	45.80	--	15.9	751.0	--	19.3	12.800	15.90
7/19	1143.0	1180.0	45.20	--	19.5	732.0	--	6.3	1.500	0.00
3/20	1062.0	1190.0	37.60	--	14.0	698.0	--	57.0	72.500	33.20
7/20	1081.0	1210.0	32.50	--	18.4	682.0	--	17.8	9.270	12.10
3/21	985.0	1150.0	32.30	--	13.9	1300.0	--	83.3	57.500	158.00

Gude Landfill
Monitoring Location OB025 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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 6/22/21

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		
4/11	0.01	10.2	0.005 U	0.01 U	38.7	0.005 U	0.01 U	0.009
9/11	0.01	--	--	--	--	--	--	--
3/12	0.05	9.6	0.005 U	0.01 U	42.1	0.005 U	0.01 U	0.008
9/12	0.06	17.8	0.005 U	0.01 U	78.0	0.005 U	0.01 U	0.009
3/13	0.01	9.6	0.005 U	0.01 U	41.4	0.005 U	0.01 U	0.007
9/13	0.03	13.4	0.005 U	0.01 U	56.2	0.005 U	0.01 U	0.007
3/14	0.01 U	7.0	0.005 U	0.01 U	21.7	0.005 U	0.01 U	0.009
9/14	0.01	11.7	0.005 U	0.01 U	51.5	0.005 U	0.01 U	0.010
3/15	0.02	14.0	0.035 U	0.01 U	68.0	0.001 J	0.01 U	0.005 J
9/15	0.01	14.0	0.005 U	0.00 U	68.0	0.001 U	0.01 U	0.011
3/16	0.01	13.0	0.003	0.00 U	66.4	0.001 U	0.00 U	0.005
8/16	0.02	14.2	0.003	0.00 U	71.6	0.001 U	0.00 U	0.009
3/17	0.02	14.2	0.005	0.00 U	76.6	0.001 U	0.00 U	0.010
9/17	0.02	14.2	0.003	0.00 U	79.5	0.001 U	0.00 U	0.006
3/18	0.02	14.6	0.007	0.00 U	80.9	0.001 U	0.00 U	0.009
9/18	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 6/22/21

	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
5/01	0.0007 U	0.0005 U	0.0597	0.0005 U	--	0.0020 U	--	0.0046	0.0102	0.0100 U	--	0.00310
9/01	0.0020 U	0.0020 U	0.0851	0.0017 U	--	0.0006 U	--	0.0012 U	0.0138	0.0105	--	0.00200 U
3/02	0.0005 U	0.0041	0.1423	0.0017 U	--	0.0020 U	--	0.0182	0.0102	0.0382	--	0.04010
9/02	0.0007 U	0.0065	0.1118	0.0004 U	--	0.0020 U	--	0.0060	0.0289	0.0214	--	0.00430
6/03	0.0256	0.0200 U	0.1133	0.0200 U	--	0.0200 U	--	0.0200 U	0.0311	0.0439	--	0.02000 U
10/03	0.0009 U	0.0008 U	0.0846	0.0016 U	--	0.0020 U	--	0.0020 U	0.0109	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0034	0.1361	0.0016 U	--	0.0020 U	--	0.0228	0.0410	0.0339	--	0.00860
9/04	0.0028 U	0.0006 U	0.0800	0.0012 U	--	0.0020 U	--	0.0035	0.0104	0.0153	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0817	0.0012 U	--	0.0020 U	--	0.0007 U	0.0166	0.0137	--	0.00060 U
9/05	0.0028 U	0.0040	0.2081	0.0020 U	--	0.0024	--	0.0652	0.0865	0.0774	--	0.02600
4/06	0.0006 U	0.0006 U	0.0658	0.0007 U	--	0.0020 U	--	0.0020 U	0.0119	0.0085	--	0.00210
9/06	0.0007 U	0.0008 U	0.0794	0.0009 U	--	0.0020 U	--	0.0020 U	0.0157	0.0075	--	0.00200 U
4/07	0.0007 U	0.0020 U	0.0832	0.0009 U	0.200 U	--	--	0.0007 U	0.0187	0.0065	--	0.00070 U
10/07	0.0007 U	0.0020 U	0.1065	0.0009 U	0.182	--	--	0.0046	0.0229	0.0083	--	0.00200 U
3/08	0.0005 U	0.0024	0.1388	0.0010 U	0.167	--	--	0.0089	0.0329	0.0146	--	0.00260
9/08	0.0010 U	0.0040 U	0.1179	0.0020 U	0.400 U	--	--	0.0016 U	0.0270	0.0065	--	0.00200 U
3/09	0.0010 U	0.0100 U	0.1126	0.0012 U	0.209	--	--	0.0007 U	0.0241	0.0100 U	--	0.00070 U
9/09	0.0020 U	0.0037	1.3100	0.0137	--	0.0174	111.00	0.1050	0.4180	0.3640	239.0000	0.14800
7/10	0.0010 U	0.0009 U	0.1500	0.0010 U	--	0.0006 U	--	0.0035	0.0410	0.0085	--	0.00130
9/10	0.0050 U	0.0050 U	0.1920	0.0050 U	--	0.0050 U	90.20	0.0193	0.0532	0.0302	29.9000	0.00500 U
4/11	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	92.70	0.0050 U	0.0244	0.0062	1.3200	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.1630	0.0050 U	--	0.0050 U	65.10	0.0050 U	0.0285	0.0168	5.7300	0.01370
3/12	0.0050 U	0.0050 U	0.1460	0.0050 U	--	0.0050 U	73.30	0.0297	0.0393	0.0374	31.7000	0.00771
9/12	0.0050 U	0.0050 U	0.6310	0.0062	--	0.0050 U	89.50	0.0174	0.1220	0.1430	25.9000	0.02690
3/13	0.0050 U	0.0050 U	0.0769	0.0050 U	--	0.0050 U	56.20	0.0081	0.0067	0.0194	4.6800	0.00500 U
9/13	0.0050 U	0.0050 U	0.1750	0.0050 U	--	0.0050 U	91.20	0.0117	0.0373	0.0153	17.0000	0.00500 U
3/14	0.0050 U	0.0050 U	0.0539	0.0050 U	--	0.0050 U	39.60	0.0060	0.0050 U	0.0080	3.1000	0.00500 U
9/14	0.0212	0.0263	0.6240	0.1160	--	0.1150	61.90	0.3050	0.3360	0.3370	163.0000	0.12200
3/15	0.0020 U	0.0020 U	0.0710	0.0020 U	--	0.0040 U	81.00	0.0082 J	0.0090 J	0.0042 J	0.7900	0.00200 U
9/15	0.0010 U	0.0010 U	0.0700	0.0010 U	--	0.0005 U	83.00	0.0050 U	0.0090	0.0050 U	0.5000	0.00100 U
3/16	0.0050 U	0.0050 U	0.2200	0.0050 U	--	0.0050 U	86.10	0.0071	0.0501	0.0122	7.6400	0.00500 U
8/16	0.0020 U	0.0020 U	0.1440	0.0020 U	--	0.0020 U	71.70	0.0020 U	0.0339	0.0037	3.9400	0.00200 U
3/17	0.0050 U	0.0050 U	0.1230	0.0050 U	--	0.0050 U	81.20	0.0050 U	0.0339	0.0242	2.8800	0.00500 U
9/17	0.0050 U	0.0050 U	0.1150	0.0050 U	--	0.0050 U	83.30	0.0050 U	0.0260	0.0053	3.7400	0.00500 U
3/18	0.0050 U	0.0050 U	0.1210	0.0050 U	--	0.0050 U	86.10	0.0050 U	0.0302	0.0070	2.3800	0.00500 U
9/18	0.0050 U	0.0050 U	0.1390	0.0050 U	--	0.0050 U	82.90	0.0050 U	0.0377	0.0090	3.6000	0.00500 U
4/19	0.0010 U	0.0010 U	0.0912	0.0010 U	--	0.0010 U	62.10 B	0.0029	0.0310	0.0010 U	1.3000	0.00100 U
7/19	0.0010 U	0.0010 U	0.1000	0.0010 U	--	0.0010 U	57.60 B	0.0023	0.0300	0.0336	0.3230	0.00100 U
3/20	0.0010 U	0.0020	0.1150	0.0010 U	--	0.0010 U	60.50	0.0354	0.0351	0.0053	10.8000	0.00120
7/20	0.0010 U	0.0010 U	0.1380	0.0010 U	--	0.0010 U	59.10	0.0021	0.0365	0.0018	2.2100	0.00100 U
3/21	0.0010 U	0.0010 U	0.1000	0.0010 U	--	0.0010 U	51.50	0.0030	0.0268	0.0022	5.0700	0.00100 U

Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
5/01	--	12.98000	0.000100 U	0.0051	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U
9/01	--	16.20000	0.000100 U	0.0100 U	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
3/02	--	0.39740	0.000200 U	0.0215	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.02380
9/02	--	20.94000	0.000100 U	0.0281	--	0.00600	0.0096 U	--	0.0010 U	0.0025	0.01270
6/03	--	11.46000	0.000200 U	0.0366	--	0.01200 U	0.0960 U	--	0.0100 U	0.0020 U	0.02000 U
10/03	--	7.73100	0.000200 U	0.0074	--	0.00200 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
3/04	--	1.95480	0.000200 U	0.0446	--	0.00250	0.0022 U	--	0.0010 U	0.0022	0.01710
9/04	--	5.52300	0.000100 U	0.0138	--	0.00200 U	0.0018 U	--	0.0006 U	0.0003 U	0.00220
4/05	--	11.56200	0.000100 U	0.0109	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00040 U
9/05	--	15.00500	0.000200	0.0872	--	0.00530	0.0018 U	--	0.0006 U	0.0100 U	0.06290
4/06	--	10.26400	0.000100 U	0.0090	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U
9/06	--	9.24900	0.000200 U	0.0097	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U
4/07	--	--	0.000200 U	0.0113	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U
10/07	--	--	0.000200 U	0.0161	--	0.00230	0.0005 U	--	0.0007 U	0.0020 U	0.00200 U
3/08	--	--	0.000200 U	0.0215	--	0.00200 U	0.0001 U	--	0.0001 U	0.0500 U	0.00870
9/08	--	--	0.000200 U	0.0128	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000200 U	0.0127	--	0.01000 U	0.0043 U	--	0.0008 U	0.0011 U	0.00080 U
9/09	82.800	55.80000	0.000300	0.2260	17.600	0.03640	0.0020 U	84.00	0.0020 U	--	0.15600
7/10	--	--	0.000100 J	0.0220	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U
9/10	71.600	24.20000	0.000200 U	0.0506	16.600	0.00590	0.0050 U	88.90	0.0050 U	--	0.01410
4/11	70.200	6.86000	0.001420	0.0183	7.240	0.00500 U	0.0050 U	100.00 J	0.0050 U	--	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 6/22/21

	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)
9/11	44.200	10.52000	0.000200 U	--	14.300	0.00500 U	0.0050 U	54.30	0.0050 U	--	0.00768
3/12	57.700	7.21000	0.001290	0.0098	10.700	0.00523	0.0050 U	43.90	0.0050 U	--	0.02360
9/12	62.400	20.70000	0.000520	0.0145	16.800	0.00877	0.0050 U	69.00	0.0050 U	--	0.04520
3/13	41.500	0.81800	0.000200 U	0.0077	9.220	0.00500 U	0.0050 U	39.00	0.0050 U	--	0.00766
9/13	69.000	18.20000	0.000218	0.0110	16.400	0.00500 U	0.0050 U	83.50	0.0050 U	--	0.00998
3/14	27.000	0.21000	0.000200 U	0.0089	6.490	0.00500 U	0.0050 U	20.40	0.0050 U	--	0.00500 U
9/14	90.300	12.80000	0.000234	0.4000	13.200	0.04110	0.0991	38.40	0.0778	--	0.26100
3/15	59.000	14.00000	0.000200 U	0.0220	14.000	0.03500 U	0.0100 U	66.00	0.0020 U	--	0.01000 U
9/15	58.000	15.00000	0.000200 U	0.0150	14.000	0.00500 U	0.0010 U	70.00	0.0010 U	--	0.00500 U
3/16	62.600	20.30000	0.000200 U	0.0334	14.200	0.00544	0.0050 U	77.90	0.0050 U	--	0.00507
8/16	52.400	21.70000	0.000200 U	0.0167	13.500	0.00273	0.0020 U	69.80	0.0010 U	--	0.00200 U
3/17	58.600	22.40000	0.000200 U	0.0213	15.000	0.00605	0.0050 U	80.00	0.0050 U	--	0.00500 U
9/17	61.000	21.40000	0.000200 U	0.0156	14.600	0.00500 U	0.0050 U	80.80	0.0050 U	--	0.00500 U
3/18	59.800	25.00000	0.000200 U	0.0197	14.900	0.00500 U	0.0050 U	80.40	0.0050 U	--	0.00500 U
9/18	60.300	24.00000	0.000200 U	0.0239	14.400	0.00802	0.0050 U	80.30	0.0050 U	--	0.00500 U
4/19	56.500	24.70000	0.000117	0.0184	14.400	0.00100 U	0.0010 U	82.40	0.0010 U	--	0.00100 U
7/19	51.100	22.60000	0.000100 U	0.0181	13.500	0.00100 U	0.0010 U	73.70 B	0.0010 U	--	0.00100 U
3/20	54.400	22.70000	0.000100 U	0.0364	16.100	0.00112	0.0010 U	83.30	0.0010 U	--	0.00377
7/20	53.100	24.10000	0.000100 U	0.0161	15.500	0.00100 U	0.0010 U	82.50	0.0010 U	--	0.00100 U
3/21	45.200	19.60000	0.000100 U	0.0203	13.400	0.00100 U	0.0010 U	71.70	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
5/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.03780
10/07	0.04870
3/08	0.18680
9/08	0.02630
3/09	0.02430
9/09	3.95000
7/10	0.04600
9/10	0.10900
4/11	0.02160

Gude Landfill
Monitoring Location OB025 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.02560
3/12	0.11200
9/12	0.13000
3/13	0.01960
9/13	0.04000
3/14	0.01500
9/14	0.96200
3/15	0.00850 J
9/15	0.00960
3/16	0.04150
8/16	0.01210
3/17	0.01680
9/17	0.02610
3/18	0.03400
9/18	0.01980
4/19	0.01270
7/19	0.01140
3/20	0.02580
7/20	0.00831
3/21	0.01060

Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200			5		7			0.2	0.05	600	5	5		75
5/01	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	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	0.19 U	0.17 U	0.21 U	0.19 U	0.12 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.33 U	0.44 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.33 U	1.38
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.70	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.50 U	0.13 U	0.84
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	--	0.13 U	0.50 U	0.13 U	--
9/09	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	0.34 J	1.00 U	0.40 J	1.00 U	3.16
7/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.00

Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	1.11 J	2.00 U	2.00 U	2.00 U	143.00	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	3.80
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	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	0.37	1.00 U	1.00 U	--	3.70
9/12	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	1.00 U	1.00 U	3.30
3/13	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
9/13	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	1.00 U	1.00 U	6.84
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	1.00 U	1.00 U
9/14	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	1.48
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
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	1.00 U	1.00 U	1.15
3/16	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	1.00 U	1.00 U	1.49
8/16	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	1.00 U	1.00 U	1.37
3/17	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	1.00 U	1.00 U	1.00 U
9/17	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	1.00 U	1.00 U	1.82
3/18	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	1.00 U	1.00 U	1.00 U
9/18	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	1.07	1.00 U	2.83
4/19	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	1.00 U	1.00 U
7/19	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	1.00 U	1.00 U	3.10
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	4.30
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
5/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	1.00 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	0.20 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	1.00 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
10/03	0.11 U	0.08	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
3/04	0.11 U	4.60	1.00 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	1.00 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.58	0.31 U
3/08	0.50 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.50 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	1.07	0.50 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.50 U	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.46 J	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.93	0.33 J
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	1.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	2.00 U	0.87 J	2.00 U	2.00 U	2.00 U	2.00 U	2.11	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	4.50	0.69 J
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.43	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.75	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.34	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.15	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.56	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	7.99	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.60	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.02	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	14.50	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.80	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB025 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
5/01	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/01	0.23 U	1.00 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	2.69	0.27 U	0.21 U	1.00 U	0.24 U
3/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
6/03	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.45	0.24 U
10/03	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/04	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
9/05	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	2.56	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
10/07	0.27 U	1.00 U	6.07	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.44	0.32 U
3/08	0.21 U	0.15 U	4.38	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.50 U	6.23	0.12 U	0.13 U	0.12 U	0.23 U	--	5.00 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
3/09	0.12 U	0.20 U	4.12	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	7.50	1.00 U	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	0.70 U	1.00 U
7/10	1.00 U	1.00 U	11.00	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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	2.00 U	6.82	2.00 U	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	0.86 J	2.00 U
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	4.90	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	3.80	1.00 U
9/12	1.00 U	1.00 U	9.55	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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	1.40	1.00 U
9/13	1.00 U	1.00 U	19.50	1.00 U	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	3.92	1.00 U
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.02	1.00 U	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
3/15	1.00 U	1.00 U	3.14	1.00 U	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
9/15	1.00 U	1.00 U	7.14	1.00 U	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
3/16	1.00 U	1.00 U	9.22	1.00 U	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
8/16	1.00 U	1.00 U	12.00	1.00 U	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
3/17	1.00 U	1.00 U	7.39	1.00 U	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
9/17	1.00 U	1.00 U	16.90	1.00 U	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
3/18	1.00 U	1.00 U	7.85	1.00 U	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
9/18	1.00 U	1.00 U	17.10	1.00 U	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
4/19	1.00 U	1.00 U	3.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	7.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	1.00 U	4.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location OB025 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
5/01	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	0.27 U
9/01	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
10/03	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	2.49	0.27 U
3/04	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.12	0.27 U
9/04	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	3.33	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.21	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.15	0.18 U
4/07	0.45 U	0.24 U	0.30 U	1.04	0.36 U	--	1.00 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	2.43	0.36 U	--	5.29	0.18 U
3/08	0.22 U	0.08 U	--	1.21	0.07 U	--	0.50 U	0.22 U
9/08	0.50 U	0.13 U	--	0.13 U	0.10 U	--	4.29	0.11 U
3/09	0.14 U	0.13 U	--	0.96	0.10 U	--	0.50 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	1.66	1.00 U	--	2.61	1.00 U
7/10	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1.00 U	3.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB025 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	2.24	2.00 U	2.00 U	4.04	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	2.10	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.47	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	2.07	1.00 U	5.00 U	2.78	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.43	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	3.79	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.26	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.29	1.00 U	5.00 U	4.64	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.29	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.08	1.00 U	5.00 U	5.66	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.50	1.00 U
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB102 - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS					0.2			10		1			
5/01	--	--	--	187.8970	0.002	--	--	--	--	--	--	--	--
9/01	--	--	--	114.1510	0.003	--	--	--	--	--	--	--	--
3/02	--	--	--	447.9400	0.005	--	--	--	--	--	--	--	--
9/02	--	--	--	550.9640	0.003	--	--	--	--	--	--	--	--
6/03	--	--	--	82.9571	0.005 U	--	--	--	--	--	--	--	--
10/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--
3/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--
9/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--
4/05	--	--	--	--	0.005	--	--	--	--	--	--	--	--
9/05	--	--	--	--	0.007	--	--	--	--	--	--	--	--
4/06	--	--	--	--	0.037	--	--	--	--	--	--	--	--
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--
4/07	--	--	--	--	0.015	--	--	--	--	--	--	--	--
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	1140.0	11.20	262.0	560.0000	--	--	810.0	0.2000 U	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB102 - General Parameters

Printed 6/22/21

	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)
9/10	1100.0	8.98	252.0	577.0000	--	--	900.0	0.2000 U	0.20 U	0.05 U	--	--	--
4/11	1008.0	11.10	235.0 U	578.0000	--	--	775.0	0.2000 U	0.20 U	0.05 U	--	--	--
9/11	1000.0	11.10	237.0	564.0000	--	--	701.0	0.2000 U	0.20 U	0.05 U	--	--	--
3/12	1056.0	11.60	227.0	602.0000	--	--	640.0	0.2000 U	0.20 U	0.05 U	--	--	--
9/12	1060.0	12.00	242.0	588.0000	--	--	700.0	0.2000 U	0.20 U	0.05 U	--	--	--
3/13	1110.0	14.00	235.0	558.0000	--	0.20	686.0	0.2000 U	0.20 U	0.05 U	299.0	6.86	--
9/13	1080.0	13.30	126.0	543.0000	--	0.04	696.0	0.2000 U	0.20 U	0.05 U	272.0	6.41	--
3/14	980.0	13.50	176.0	519.0000	--	0.01	710.0	0.2000 U	--	--	251.0	6.80	--
9/14	1000.0	12.30	147.0	520.0000	--	5.86	684.0	0.2000 U	0.20 U	0.05 U	234.0	6.74	--
3/15	1040.0	14.60	87.0	563.0000	--	0.00	724.0	0.2000 U	0.20 U	0.05 U	290.0	7.07	--
9/15	1100.0	15.80	120.0	551.0000	--	--	700.0	0.2000 U	0.20 U	0.05 U	163.0	6.54	--
3/16	1160.0	16.10	210.0	560.0000	--	0.00	660.0	0.2000 U	0.20 U	0.05 U	287.0	6.80	--
8/16	2180.0	18.30	146.0	528.0000	--	0.50	620.0	0.2000 U	0.20 U	0.05 U	244.0	6.76	--
3/17	1340.0	16.70	229.0	519.0000	--	--	620.0	0.2000 U	0.20 U	0.05 U	253.0	6.74	--
9/17	1200.0	23.70	148.0	464.0000	--	0.30	680.0	0.2000 U	0.20 U	0.05 U	271.0	6.78	--
4/18	1090.0	19.40	222.0	465.0000	--	--	541.0	0.2000 U	0.20 U	0.05 U	212.0	6.80	--
9/18	1050.0	23.70	142.0	466.0000	--	0.09	575.0	0.2000 U	0.20 U	0.05 U	63.0	6.80	--
4/19	957.0	18.30	131.0	410.0000	--	0.02	492.0	0.9000	--	--	102.9	6.68	6.80
8/19	1050.0	18.00	149.0	472.0000	--	0.15	550.0	1.1000	--	--	61.2	6.38	6.68
3/20	1040.0	17.30	147.0	487.0000	--	0.41	601.0	2.1300	--	--	77.1	6.56	6.70
7/20	1050.0	19.80	155.0	475.0000	--	0.50	583.0	1.4500	--	--	47.4	6.48	6.65
3/21	1050.0	19.20	133.0	474.0000	--	0.02	530.0	0.0500 U	--	--	159.8	6.64	6.79

Gude Landfill
Monitoring Location OB102 - General Parameters

Printed 6/22/21

	Phosphate (mg/L)	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											
5/01	--	--	--	--	--	--	--	--	--	4.200	--
9/01	--	--	--	--	--	--	--	--	--	13.500	--
3/02	--	--	--	--	--	--	--	--	--	66.500	--
9/02	--	--	--	--	--	--	--	--	--	3.800	--
6/03	0.011	--	--	--	--	--	--	0	--	6.900	--
10/03	0.061	--	--	--	--	--	--	0 U	--	--	--
3/04	0.024	--	--	--	--	--	--	0 U	--	--	--
9/04	0.170	--	--	--	--	--	--	0 U	--	--	--
4/05	0.003 U	--	--	--	--	--	--	0	--	--	--
9/05	0.029	--	--	--	--	--	--	0	--	--	--
4/06	0.023	--	--	--	--	--	--	0	--	--	--
9/06	0.021	--	--	--	--	--	--	0	--	--	--
4/07	0.023	--	--	--	--	--	--	0	--	--	--
10/07	0.058	--	--	--	--	--	--	0	--	--	--
3/08	--	--	--	--	--	--	--	0	--	--	--
9/08	--	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	--	71.90	--	--	2120.0	--	--	191.000	--
7/10	--	--	--	--	3.0 U	--	--	--	--	--	--

Gude Landfill
Monitoring Location OB102 - General Parameters

Printed 6/22/21

	Phosphate (mg/L)	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)
9/10	--	--	--	57.40	--	--	2252.0	--	--	71.400	--
4/11	--	--	--	74.30	--	--	2308.0	--	--	23.700	--
9/11	--	--	--	74.40	--	--	2244.0	--	--	--	--
3/12	--	--	--	55.40	--	--	2268.0	--	--	--	--
9/12	--	--	--	55.20	--	--	2236.0	--	--	--	--
3/13	--	3.3	--	48.10	--	13.2	2146.0	--	--	--	58.90
9/13	--	3303.0	--	44.70	--	16.2	2158.0	--	--	--	84.50
3/14	--	3270.0	--	45.00	--	13.5	2122.0	--	--	--	79.50
9/14	--	3129.0	--	69.40	--	15.7	2098.0	--	--	--	19.90
3/15	--	1902.0	--	65.30	--	13.6	2066.0	--	--	--	15.40
9/15	--	3390.0	--	64.90	--	16.4	2099.0	--	--	--	8.50
3/16	--	3339.0	--	51.90	--	14.6	2220.0	--	--	--	6.50
8/16	--	3436.0	--	48.00	--	21.2	2100.0	--	--	--	13.70
3/17	--	3128.0	--	43.50	--	14.5	1830.0	--	--	--	6.30
9/17	--	3443.0	--	27.10	--	16.0	1990.0	--	--	--	0.40
4/18	--	2225.0	--	31.10	--	12.5	1860.0	--	--	--	3.40
9/18	--	2646.0	--	25.50	--	20.9	1840.0	--	--	--	3.20
4/19	--	3530.0	2930.0	83.30	--	14.0	1760.0	--	2.7	0.960	9.70
8/19	--	3.1	3160.0	99.40	--	16.5	1960.0	--	42.8	5.150	0.40
3/20	--	3069.0	3330.0	78.70	--	14.9	1950.0	--	4.5	1.980	0.00
7/20	--	2965.0	3360.0	70.10	--	18.8	1970.0	--	5.4	2.440	0.00
3/21	--	2935.0	3370.0	65.30	--	15.1	1860.0	--	32.6	3.730	14.92

Gude Landfill
Monitoring Location OB102 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 6/22/21

Monitoring Location OB102 - 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		
4/11	0.10	37.3	0.026	0.01 U	582.0	0.005 U	0.01 U	0.013
9/11	0.09	--	--	--	--	--	--	--
3/12	0.09	39.0	0.016	0.01 U	508.0	0.005 U	0.01 U	0.013
9/12	0.10	42.1	0.039	0.01 U	532.0	0.005 U	0.01 U	0.013
3/13	0.11	47.2	0.043	0.01 U	545.0	0.005 U	0.01 U	0.015
9/13	0.09	48.3	0.020	0.01 U	499.0	0.005 U	0.01 U	0.011
3/14	0.09	43.7	0.015	0.01 U	522.0	0.005 U	0.01 U	0.012
9/14	0.09	43.6	0.021	0.01 U	529.0	0.005 U	0.01 U	0.016
3/15	0.10	51.0	0.022 J	0.01 U	490.0	0.002 U	0.01 U	0.009 J
9/15	0.09	49.0	0.024	0.00 U	510.0	0.001 U	0.01 U	0.009
3/16	0.10	64.0	0.017	0.01 U	--	0.005 U	0.01 U	0.012
8/16	0.09	50.1	0.020	0.00 U	527.4	0.001 U	0.00 U	0.007
3/17	0.09	52.7	0.015	0.01 U	532.0	0.005 U	0.01 U	0.011
9/17	0.08	53.6	0.010	0.01 U	466.0	0.005 U	0.01 U	0.045
4/18	0.08	52.5	0.017	0.00 U	467.0	0.001 U	0.00	0.009
9/18	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 6/22/21

	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
5/01	0.0007 U	0.0020 U	0.1103	0.0005 U	--	0.0020 U	--	0.0043	0.0201	0.0166	--	0.00280
9/01	0.0038	0.0020 U	0.0859	0.0017 U	--	0.0020 U	--	0.0020 U	0.0247	0.0161	--	0.00250
3/02	0.0020 U	0.0052	0.2397	0.0017 U	--	0.0022	--	0.0029	0.0591	0.0702	--	0.00360
9/02	0.0007 U	0.0251	0.2550	0.0004 U	--	0.0020 U	--	0.0005 U	0.0737	0.2655	--	0.00200 U
6/03	0.0007 U	0.0020 U	0.0633	0.0004 U	--	0.0020 U	--	0.0005 U	0.0134	0.0236	--	0.00200 U
10/03	0.0009 U	0.0008 U	0.0818	0.0016 U	--	0.0007 U	--	0.0005 U	0.0947	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0008 U	0.1215	0.0016 U	--	0.0007 U	--	0.0020 U	0.0145	0.0228	--	0.00200 U
9/04	0.0028 U	0.0020 U	0.2291	0.0012 U	--	0.0020 U	--	0.0020 U	0.1029	0.0248	--	0.00260
4/05	0.0028 U	0.0020 U	0.3498	0.0012 U	--	0.0020 U	--	0.0024	0.0991	0.0384	--	0.00200 U
9/05	0.0028 U	0.0020 U	0.3393	0.0012 U	--	0.0020	--	0.0043	0.1041	0.2110	--	0.00460
4/06	0.0006 U	0.0042	0.3277	0.0007 U	--	0.0020 U	--	0.0029	0.0894	0.0543	--	0.00220
9/06	0.0020	0.0061	0.3264	0.0009 U	--	0.0020 U	--	0.0026	0.1094	0.0437	--	0.00200 U
4/07	0.0007 U	0.0057	0.3338	0.0009 U	2.627	--	--	0.0035	0.0873	0.0557	--	0.00200 U
10/07	0.0070 U	0.0200 U	0.7682	0.0090 U	2.054	--	--	0.1373	0.2586	1.8022	--	0.08060
3/08	0.0005 U	0.0063	0.3156	0.0010 U	1.383	--	--	0.0033	0.0821	0.0638	--	0.00200 U
9/08	0.0010 U	0.0061	0.3331	0.0020 U	4.923	--	--	0.0088	0.0876	0.0880	--	0.00550
3/09	0.0010 U	0.0100 U	0.4215	0.0024 U	4.394	--	--	0.0200 U	0.0850	0.1301	--	0.01000 U
9/09	0.0020 U	0.0065	0.3850	0.0020 U	--	0.0021	116.00	0.0105	0.0925	0.1360	8.9500	0.00430
7/10	0.0010 U	0.0028	0.3400	0.0010 U	--	0.0017	--	0.0082	0.0860	0.1000	--	0.00350
9/10	0.0050 U	0.0068	0.3420	0.0050 U	--	0.0050 U	114.00	0.0050 U	0.0842	0.0908	3.5500	0.00500 U
4/11	0.0050 U	0.0061	0.3490	0.0050 U	--	0.0050 U	124.00	0.0050 U	0.0764	0.0483	1.6900	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0058	0.3440	0.0050 U	--	0.0050 U	119.70	0.0050 U	0.0724	0.0449	0.7980	0.00500 U
3/12	0.0050 U	0.0050 U	0.3550	0.0050 U	--	0.0050 U	115.00	0.0050 U	0.0734	0.0505	0.9450	0.00500 U
9/12	0.0050 U	0.0050 U	0.3490	0.0050 U	--	0.0050 U	120.00	0.0062	0.0729	0.0485	1.0100	0.00500 U
3/13	0.0100 U	0.0112	0.4040	0.0100 U	--	0.0100 U	118.00	0.0140	0.0852	0.0710	1.9300	0.00500 U
9/13	0.0050 U	0.0052	0.3470	0.0050 U	--	0.0050 U	116.00	0.0050 U	0.0704	0.0709	2.0300	0.00500 U
3/14	0.0050 U	0.0050 U	0.3670	0.0050 U	--	0.0050 U	116.00	0.0050 U	0.0695	0.0616	3.6400	0.00500 U
9/14	0.0050 U	0.0050	0.3660	0.0050 U	--	0.0050 U	109.00	0.0050 U	0.0686	0.0500	2.0000 U	0.00500 U
3/15	0.0020 U	0.0083	0.3500	0.0020 U	--	0.0007 U	120.00	0.0100 U	0.0740	0.0410	0.3500	0.00200 U
9/15	0.0010 U	0.0120	0.3500	0.0010 U	--	0.0005 U	120.00	0.0050 U	0.0730	0.0380	0.2400	0.00100 U
3/16	0.0050 U	0.0050 U	0.4070	0.0050 U	--	0.0050 U	--	0.0050 U	0.0744	0.0448	--	0.00500 U
8/16	0.0020 U	0.0046	0.3750	0.0020 U	--	0.0020 U	100.00	0.0026	0.0677	0.0428	1.1700	0.00200 U
3/17	0.0050 U	0.0060	0.3780	0.0050 U	--	0.0050 U	118.00	0.0050 U	0.0708	0.1670	1.2000	0.00500 U
9/17	0.0050 U	0.0050 U	0.3740	0.0050 U	--	0.0050 U	104.00	0.0050 U	0.0631	0.3030	0.7440	0.00500 U
4/18	0.0050 U	0.0061	0.3520	0.0050 U	--	0.0050 U	88.20	0.0050 U	0.0497	0.0299	0.2910	0.00500 U
9/18	0.0020 U	0.0050	0.3320	0.0020 U	--	0.0020 U	93.60	0.0063	0.0595	0.0249	0.1550	0.00200 U
4/19	0.0010 U	0.0010 U	0.2580	0.0010 U	--	0.0010 U	69.10	0.0016	0.0605	0.0228	0.1080	0.00100 U
8/19	0.0010 U	0.0010 U	0.3040	0.0010 U	--	0.0010 U	80.50	0.0024	0.0610	0.0213	0.2970	0.00100 U
3/20	0.0010 U	0.0011	0.3310	0.0010 U	--	0.0010 U	89.30	0.0029	0.0609	0.0239	0.2000	0.00100 U
7/20	0.0010 U	0.0010	0.3210	0.0010 U	--	0.0010 U	83.00	0.0034	0.0673	0.0212	0.4420	0.00100 U
3/21	0.0010 U	0.0011	0.2970	0.0010 U	--	0.0010 U	78.80	0.0022	0.0601	0.0395	0.4580	0.00100 U

Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
5/01	--	4.29000	0.000100 U	0.0113	--	0.00500 U	0.0052 U	--	0.0009 U	0.2000 U	0.00200 U
9/01	--	3.72000	0.000200 U	0.0106	--	0.00220	0.0044 U	--	0.0010 U	0.2000 U	0.00210
3/02	--	16.29000	0.000200 U	0.0421	--	0.01550	0.0044 U	--	0.0009 U	0.2000 U	0.00450
9/02	--	17.81000	0.000200 U	0.0781	--	0.06610	0.0096 U	--	0.0010 U	0.0020 U	0.00980
6/03	--	2.04100	0.000200 U	0.0082	--	0.00230	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
10/03	--	4.08300	0.000200 U	0.0052	--	0.00200 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
3/04	--	6.42500	0.000200 U	0.0230	--	0.00260	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
9/04	--	17.25000	0.000100 U	0.0362	--	0.00710	0.0018 U	--	0.0010 U	0.0003 U	0.00200 U
4/05	--	25.83500	0.000100 U	0.0900	--	0.00920	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
9/05	--	24.56000	0.000100 U	0.0767	--	0.00930	0.0018 U	--	0.0010	0.0050 U	0.00470
4/06	--	0.00200 U	0.000100 U	0.0913	--	0.01270	0.0004 U	--	0.0004 U	0.0050 U	0.00200 U
9/06	--	--	0.000200 U	0.0870	--	0.01850	--	--	0.0007 U	0.0050 U	0.00200 U
4/07	--	--	0.000200 U	0.0942	--	0.01790	0.0005 U	--	0.0007 U	0.0500 U	0.00300
10/07	--	--	0.000600	0.2651	--	0.03600	0.0050 U	--	0.0200 U	0.0020 U	0.14430
3/08	--	--	0.000200 U	0.0908	--	0.01860	0.0008 U	--	0.0006 U	0.0500 U	0.00200 U
9/08	--	--	0.000200 U	0.0871	--	0.01520	0.0016 U	--	0.0012 U	0.0011 U	0.01050
3/09	--	--	0.000200 U	0.1029	--	0.01670	0.0043 U	--	0.0008 U	0.0011 U	0.02000 U
9/09	94.800	22.20000	0.000200 U	0.1180	37.200	0.02560	0.0020 U	613.00	0.0020 U	--	0.01040
7/10	--	--	0.000200 U	0.0970	--	0.00050 J	0.0010 U	--	0.0015	0.0050 U	0.00810
9/10	94.300	21.80000	0.000200 U	0.1010	37.800	0.02560	0.0050 U	500.00	0.0050 U	--	0.00500 U
4/11	102.000 J	23.50000	0.000200 U	0.0920	39.800 J	0.02370	0.0050 U	561.00	0.0050 U	--	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 6/22/21

	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)
9/11	98.400	20.90000	0.000200 U	--	40.400	0.02240	0.0050 U	550.00	0.0050 U	--	0.00500 U
3/12	97.400	21.20000	0.000200 U	0.0900	39.900	0.01700	0.0050 U	532.00	0.0050 U	--	0.00500 U
9/12	97.400	21.70000	0.000200 U	0.0970	41.400	0.01760	0.0050 U	586.00	0.0050 U	--	0.00500 U
3/13	104.000	20.20000	0.000200 U	0.1070	47.400	0.04110	0.0100 U	558.00	0.0050 U	--	0.01000 U
9/13	96.900	20.10000	0.000800 U	0.0963	46.700	0.01880	0.0050 U	483.00	0.0050 U	--	0.00500 U
3/14	99.200	18.80000	0.000200 U	0.0903	44.900	0.01620	0.0050 U	523.00	0.0050 U	--	0.00500 U
9/14	89.730	18.00000	0.000200 U	0.0884	43.000	0.01970	0.0050 U	504.00	0.0050 U	--	0.00500 U
3/15	96.000	19.00000	0.000200 U	0.1000	51.000	0.02100 J	0.0100 U	490.00	0.0020 U	--	0.01000 U
9/15	100.000	18.00000	0.000200 U	0.0910	51.000	0.03200	0.0010 U	510.00	0.0010 U	--	0.00500 U
3/16	--	17.30000	0.000200 U	0.1010	49.500	0.01650	0.0050 U	--	0.0050 U	--	0.00500 U
8/16	86.400	15.50000	0.000200 U	0.0903	45.600	0.01590	0.0020 U	483.00	0.0010 U	--	0.00200 U
3/17	98.100	15.70000	0.000200 U	0.1020	52.600	0.01140	0.0050 U	547.00	0.0050 U	--	0.00500 U
9/17	89.900	11.90000	0.000200 U	0.0848	55.300	0.01050	0.0050 U	460.00	0.0050 U	--	0.00500 U
4/18	77.800	14.00000	0.000200 U	0.0768	51.100	0.00967	0.0050 U	437.00	0.0050 U	--	0.00500 U
9/18	82.900	10.20000	0.000200 U	0.0875	58.400	0.01350	0.0020 U	462.00	0.0010 U	--	0.00200 U
4/19	77.700	12.60000	0.000100 U	0.0727	46.200	0.00100 U	0.0010 U	493.00 B	0.0010 J	--	0.00100 U
8/19	84.700	14.40000	0.000100 U	0.0767	47.900	0.00100 U	0.0010 U	525.00	0.0010 U	--	0.00100 U
3/20	91.800	14.90000	0.000100 U	0.0810	51.400	0.00100 U	0.0010 U	495.00	0.0010 U	--	0.00100 U
7/20	91.100	13.90000	0.000100 U	0.0789	50.900	0.00100 U	0.0010 U	518.00	0.0010 U	--	0.00100 U
3/21	80.800	12.30000	0.000100 U	0.0724	45.000	0.00100 U	0.0010 U	453.00	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
5/01	--
9/01	--
3/02	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.02100
10/07	1.25400
3/08	0.02480
9/08	0.04240
3/09	0.07760
9/09	0.04640
7/10	0.03900
9/10	0.02240
4/11	0.01350

Gude Landfill
Monitoring Location OB102 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.01270
3/12	0.01300
9/12	0.01290
3/13	0.02060
9/13	0.01960
3/14	0.02310
9/14	0.01940
3/15	0.01100
9/15	0.01100
3/16	0.01190
8/16	0.00739
3/17	0.01180
9/17	0.03290
4/18	0.02320
9/18	0.01270
4/19	0.00897
8/19	0.01040 B
3/20	0.00763
7/20	0.00801
3/21	0.01450

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	1.00 U	0.22 U	0.19 U	1.00 U	1.00 U	0.21 U	1.00 U	0.20 U	1.00 U	0.17 U	0.21 U	0.19 U	1.05
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.33 U	2.32
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	12.00 U	0.27 U	0.34 U	0.33 U	12.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	10.00 U	0.18 U	0.17 U	0.20 U	1.81
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.50 U	0.13 U	0.15 U	0.13 U	1.43
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	0.35 J	1.00 U	1.00 U	1.00 U	1.00 U
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

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-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)
9/10	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	2.00 U	2.00 U	2.00 U	1.12 J
4/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	1.00 U	--	1.40
9/12	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	1.00 U	1.00 U	1.00 U	1.00 U
3/13	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	1.00 U
9/13	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	1.14
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	1.00 U	1.00 U	1.27
9/14	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	1.55
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	1.30
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	1.00 U	1.00 U	1.00 U	1.62
3/16	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	1.37
8/16	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	1.00 U
3/17	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	1.40
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	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.01
9/18	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	1.00 U
4/19	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	1.00 U	1.00 U	1.10
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	1.00 U	1.00 U	1.40
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30
7/20	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	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
5/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	1.00 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	2.07	0.15 U	0.28 U	0.20 U
10/03	0.11 U	0.62	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	2.13	0.15 U	1.00 U	0.20 U
3/04	0.11 U	1.72	1.00 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.25	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.31 U
9/05	0.23 U	1.36	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.31	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.54	0.31 U
9/06	0.23 U	1.77	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	1.65	0.31 U
4/07	0.23 U	1.84	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.74	0.31 U
10/07	0.23 U	1.58	0.19 U	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	2.43	0.31 U
3/08	0.50 U	--	--	--	--	--	0.50 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	1.65	0.10 U
9/08	0.50 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	1.41	0.13 U
3/09	0.22 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	2.08	0.13 U
9/09	1.00 U	0.69 J	1.00 U	1.00 U	1.00 U	1.00 U	0.46 J	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	2.27	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	0.53 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.51 J	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.14	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.14	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.22	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	8.00	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.36	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.74	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.38	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.88	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.44	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.02	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.80	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.75	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	7.20 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	6.30	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U

Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
5/01	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/01	0.23 U	1.00 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.54	0.27 U	0.21 U	1.00 U	0.24 U
3/02	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/02	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
6/03	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.32	0.24 U
10/03	0.23 U	1.00 U	0.22 U	0.19 U	0.17 U	1.00 U	1.00 U	1.05	--	0.22 U	0.21 U	1.00 U	1.00 U	1.83	0.24 U
3/04	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/04	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	1.34	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	2.27	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/06	0.27 U	0.25 U	1.28	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	1.00 U	2.30	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	2.14	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.25 U	2.50	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
3/08	0.21 U	0.15 U	1.75	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.20 U	1.46	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
3/09	0.12 U	0.20 U	1.54	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	1.38	1.00 U	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
7/10	1.00 U	1.00 U	1.00	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	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location OB102 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/10	2.00 U	2.00 U	0.65 J	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	0.79	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.26	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB102 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
5/01	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	0.27 U
9/01	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
10/03	1.00 U	0.13 U	0.14 U	1.00 U	1.00 U	--	2.79	1.00 U
3/04	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	0.10	0.27 U
9/04	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.98	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.33	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	1.11	0.18 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.80	0.11 U
3/09	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
7/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 6/22/21

Monitoring Location OB102 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 OB105 - General Parameters

Printed 6/22/21

	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)
MCL/ GWPS					0.2			10		1			
5/01	--	--	--	303.4410	0.004	--	--	--	--	--	--	--	--
9/02	--	--	--	391.0500	0.001 U	--	--	--	--	--	--	--	--
6/03	--	--	--	180.6250	0.008	--	--	--	--	--	--	--	--
10/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--
3/04	--	--	--	--	0.009	--	--	--	--	--	--	--	--
9/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--
4/05	--	--	--	--	0.008	--	--	--	--	--	--	--	--
9/05	--	--	--	--	0.006	--	--	--	--	--	--	--	--
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--
9/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--
4/07	--	--	--	--	0.005	--	--	--	--	--	--	--	--
10/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	810.0	12.40	173.0	328.0000	--	--	900.0	0.2000 U	--	--	--	--	--
7/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--
9/10	600.0	5.02	207.0	334.0000	--	--	950.0	0.2000 U	0.20 U	0.05 U	--	--	--
4/11	728.0	25.10	92.4	219.0000 J	--	--	576.0	0.9900	1.04	0.05 U	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB105 - General Parameters

Printed 6/22/21

	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)
9/11	494.0	4.40	83.4	309.0000	--	--	866.0	0.2000 U	0.20 U	0.05 U	--	--	--
3/12	51.0	16.30	140.0	356.0000	--	--	960.0	0.2000 U	0.20 U	0.05 U	--	--	--
9/12	522.0	3.48	61.5	337.0000	--	--	908.0	0.2000 U	0.20 U	0.05 U	--	--	--
4/13	770.0	13.10	93.4	334.0000	--	0.06	924.0	0.2000 U	0.20 U	0.05 U	200.0	6.61	--
9/13	--	--	--	--	--	0.19	820.0	--	--	--	-60.3	6.62	--
9/13	--	--	--	--	--	1.50	920.0	--	--	--	69.2	6.18	--
9/13	50.0	4.61	56.2	318.0000	--	0.02	940.0	0.2000 U	0.20 U	0.05 U	176.0	6.34	--
3/14	774.0	19.30	102.0	307.0000	--	0.51	900.0	0.2000 U	--	--	150.0	6.69	--
9/14	645.0	6.80	75.3	336.0000	--	5.15	924.0	0.2000 U	0.20 U	0.05 U	228.0	6.83	--
3/15	1250.0	42.50	135.0	339.0000	--	0.00	424.0	0.2000 U	0.20 U	0.05 U	112.0	7.00	--
9/15	1100.0	29.10	121.0	320.0000	--	1.07	860.0	0.2690	0.32	0.05 U	77.0	6.68	--
3/16	1040.0	29.70	122.0	340.0000	--	0.00	890.0	0.2000 U	0.20 U	0.05 U	67.0	6.80	--
8/16	870.0	24.00	112.0	308.0000	--	2.27	660.0	0.2000 U	0.20 U	0.05 U	135.0	6.57	--
3/17	1420.0	43.30	148.0	346.0000	--	--	550.0	0.2000 U	0.20 U	0.05 U	93.0	6.96	--
9/17	877.0	18.90	90.8	305.0000	--	0.52	400.0	0.2000 U	0.20 U	0.05 U	163.0	6.54	--
3/18	1360.0	52.50	224.0	302.0000	--	--	410.0	0.2000 U	0.20 U	0.05 U	-97.0	7.14	--
9/18	820.0	17.10	87.4	313.0000	--	--	832.0	0.2000 U	0.20 U	0.05 U	-8.0	6.41	--
4/19	1270.0	43.80	131.0	224.0000	--	-0.02	821.0 B	0.7000	--	--	-106.1	6.90	6.97
8/19	675.0	6.34	77.2	317.0000	--	0.05	846.0	1.0000	--	--	-11.9	6.05	6.53
3/20	1260.0	41.80	137.0	140.0000	--	0.69	1090.0	1.4300	--	--	-81.1	6.79	6.79
7/20	929.0	28.70	110.0	288.0000	--	0.43	879.0	0.2000 U	--	--	-17.4	6.46	6.55
3/21	1500.0	55.30	150.0	265.0000	--	0.13	823.0	0.0500 U	--	--	-133.1	7.02	6.99

Gude Landfill
Monitoring Location OB105 - General Parameters

Printed 6/22/21

	Phosphate (mg/L)	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											
5/01	--	--	--	--	--	--	--	--	--	36.000	--
9/02	--	--	--	--	--	--	--	--	--	24.300	--
6/03	0.034	--	--	--	--	--	--	0	--	31.400	--
10/03	0.021	--	--	--	--	--	--	0 U	--	--	--
3/04	0.014	--	--	--	--	--	--	0 U	--	--	--
9/04	0.095	--	--	--	--	--	--	0 U	--	--	--
4/05	0.003 U	--	--	--	--	--	--	0	--	--	--
9/05	0.032	--	--	--	--	--	--	0	--	--	--
4/06	0.018	--	--	--	--	--	--	0	--	--	--
9/06	0.019	--	--	--	--	--	--	0	--	--	--
4/07	0.012	--	--	--	--	--	--	0	--	--	--
10/07	--	--	--	--	--	--	--	0	--	--	--
3/08	--	--	--	--	--	--	--	0	--	--	--
9/08	--	--	--	--	--	--	--	0	--	--	--
9/09	--	--	--	346.00	--	--	1736.0	--	--	1215.000	--
7/10	--	--	--	--	2.9 J	--	--	--	--	--	--
9/10	--	--	--	309.00	--	--	1876.0	--	--	3430.000	--
4/11	--	--	--	139.00 J	--	--	1320.0	--	--	240.000	--

Gude Landfill

Printed 6/22/21

Monitoring Location OB105 - General Parameters

	Phosphate (mg/L)	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)
9/11	--	--	--	314.00	--	--	1872.0	--	--	--	--
3/12	--	--	--	312.00	--	--	1776.0	--	--	--	--
9/12	--	--	--	289.00	--	--	1628.0	--	--	--	--
4/13	--	3.0	--	240.00	--	13.8	1784.0	--	--	--	1721.00
9/13	--	2.2	--	--	--	17.7	--	--	--	120.000	6.49
9/13	--	2.1	--	--	--	13.5	--	--	--	1100.000	820.00
9/13	--	2224.0	--	299.00	--	17.1	1606.0	--	--	--	728.00
3/14	--	2477.0	--	267.00	--	13.2	1600.0	--	--	--	335.00
9/14	--	2473.0	--	287.00	--	15.7	1608.0	--	--	--	1070.00
3/15	--	2920.0	--	137.00	--	12.2	1792.0	--	--	--	258.30
9/15	--	2099.0	--	190.00	--	19.0	1747.0	--	--	--	39.80
3/16	--	2888.0	--	189.00	--	14.6	1770.0	--	--	--	314.50
8/16	--	2561.0	--	208.00	--	19.5	1620.0	--	--	--	143.00
3/17	--	3147.0	--	134.00	--	12.6	1960.0	--	--	--	44.40
9/17	--	2879.0	--	267.00	--	18.0	1660.0	--	--	--	13.50
3/18	--	3078.0	--	60.70	--	11.4	1770.0	--	--	--	60.80
9/18	--	2710.0	--	240.00	--	18.7	1600.0	--	--	--	8.90
4/19	--	3590.0	2950.0	150.00	--	13.3	1730.0	--	50.3	204.000	19.50
8/19	--	2.4	2420.0	267.00	--	16.6	1630.0	--	163.0	113.000	79.00
3/20	--	2923.0	3130.0	114.00	--	13.3	1830.0	--	55.4	266.000	8.90
7/20	--	2917.0	2860.0	191.00	--	22.8	1680.0	--	31.9	145.000	34.50
3/21	--	3455.0	3100.0	65.80	--	13.8	1860.0	--	131.0	298.000	68.90

Gude Landfill
Monitoring Location OB105 - Dissolved Metals

Printed 6/22/21

	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
4/11	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
9/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12	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
9/12	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
4/13	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
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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	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
8/16	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
3/17	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
9/17	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
3/18	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
9/18	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		
4/11	0.01	61.4	0.010	0.01 U	216.0	0.005 U	0.01 U	0.093
9/11	0.05	--	--	--	--	--	--	--
3/12	0.28	51.0	0.026	0.01 U	242.0	0.005 U	0.01 U	0.010
9/12	0.07	12.8	0.025	0.01 U	179.0	0.005 U	0.01 U	0.016
4/13	0.10	25.7	0.030	0.01 U	279.0	0.005 U	0.01 U	0.009
9/13	0.01	--	--	--	--	--	--	--
9/13	0.10	--	--	--	--	--	--	--
9/13	0.07	12.7	0.017	0.01 U	190.0	0.010 U	0.01 U	0.017
3/14	0.03	46.4	0.019	0.01 U	188.0	0.005 U	0.01 U	0.018
9/14	0.03	18.1	0.013	0.01 U	194.0	0.005 U	0.01 U	0.045
3/15	0.03	88.0	0.017 U	0.01 U	330.0	0.002 U	0.01 U	0.016
9/15	0.01	55.0	0.017	0.00 U	280.0	0.001 U	0.01 U	0.060
3/16	0.02	58.3	0.011	0.01 U	--	0.005 U	0.01 U	0.020
8/16	0.02	55.8	0.010	0.00 U	237.0	0.001 U	0.00 U	0.045
3/17	0.02	78.2	0.012	0.01 U	323.0	0.005 U	0.01 U	0.010
9/17	0.02	41.5	0.008	0.01 U	232.0	0.005 U	0.01 U	0.101
3/18	0.01	102.0	0.014	0.00 U	361.0	0.001 U	0.01	0.010
9/18	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 6/22/21

	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
5/01	0.0007 U	0.0027	0.1043	0.0005 U	--	0.0020 U	--	0.0035	0.0061	0.0319	--	0.00310
9/02	0.0020 U	0.0184	0.1957	0.0020 U	--	0.0020 U	--	0.0068	0.0095	0.0177	--	0.00390
6/03	0.0007 U	0.0020	0.0954	0.0004 U	--	0.0020 U	--	0.0042	0.0064	0.0190	--	0.00540
10/03	0.0009 U	0.0020 U	0.1666	0.0016 U	--	0.0007 U	--	0.0025	0.0051	0.0416	--	0.00200 U
3/04	0.0009 U	0.0050	0.2607	0.0016 U	--	0.0007 U	--	0.0028	0.0173	0.0100 U	--	0.00240
9/04	0.0028 U	0.0020 U	0.1224	0.0012 U	--	0.0020 U	--	0.0026	0.0045	0.0130	--	0.00200
4/05	0.0028 U	0.0070	0.5120	0.0012 U	--	0.0020	--	0.0051	0.0146	0.0156	--	0.00200 U
9/05	0.0028 U	0.0023	0.2067	0.0012 U	--	0.0020	--	0.0027	0.0070	0.0654	--	0.00330
4/06	0.0006 U	0.0058	0.2254	0.0007 U	--	0.0079	--	0.0028	0.0077	0.0148	--	0.00330
9/06	0.0007 U	0.0027	0.2080	0.0009 U	--	0.0125	--	0.0024	0.0054	0.0103	--	0.00200 U
4/07	0.0007 U	0.0041	0.2161	0.0009 U	2.469	--	--	0.0020 U	0.0073	0.0094	--	0.00200 U
10/07	0.0020 U	0.0057	0.1660	0.0009 U	1.541	--	--	0.0057	0.0116	0.0217	--	0.00330
3/08	0.0005 U	0.0064	0.2560	0.0010 U	1.151	--	--	0.0044	0.0120	0.0184	--	0.00210
9/08	0.0010 U	0.0044	0.1682	0.0020 U	4.000 U	--	--	0.0040 U	0.0077	0.0120	--	0.00400 U
3/09	0.0010 U	0.0100 U	0.4660	0.0012 U	4.152	--	--	0.0100 U	0.0108	0.0134	--	0.00070 U
9/09	0.0020 U	0.0120	0.3040	0.0026	--	0.0047	156.00	0.0717	0.1010	0.1120	85.3000	0.02680
7/10	0.0010 U	0.0052	0.2000	0.0014	--	0.0010 U	--	0.0720	0.0460	0.0430	--	0.00880
9/10	0.0050 U	0.0109	0.2580	0.0050 U	--	0.0050 U	165.00	0.0808	0.1960	0.1730	110.0000	0.03320
4/11	0.0050 U	0.0050 U	0.2180	0.0050 U	--	0.0050 U	92.20	0.0106	0.0202	0.0277	17.1000 J	0.00500 U
9/11	0.0050 U	0.0050 U	0.1570	0.0050 U	--	0.0050 U	170.00	0.0184	0.0345	0.0237	19.9600	0.01500
3/12	0.0050 U	0.0147	0.6010	0.0112	--	0.0109	160.00	0.1660	0.2000	0.2930	253.0000	0.07260

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill
Monitoring Location OB105 - Total Metals**

Printed 6/22/21

	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)
9/12	0.0050 U	0.0090	0.1380	0.0050 U	--	0.0050 U	167.00	0.0236	0.0316	0.0417	26.7000	0.01550
4/13	0.0050 U	0.0094	0.2330	0.0050 U	--	0.0050 U	168.00	0.0434	0.0540	0.0906	50.7000	0.01640
9/13	0.0050 U	0.0018	0.2600	0.0010 U	--	0.0010 U	130.00	0.0016	0.0064	0.0013	11.0000	0.00100 U
9/13	0.0050 U	0.0078	0.1900	0.0033	--	0.0015	170.00	0.0370	0.0480	0.0580	41.0000	0.04200
9/13	0.0050 U	0.0058	0.1440	0.0050 U	--	0.0050 U	169.00	0.0235	0.0306	0.0415	24.7000	0.01040
3/14	0.0050 U	0.0050 U	0.2770	0.0050 U	--	0.0050 U	147.00	0.0213	0.0214	0.0321	27.2000	0.00748
9/14	0.0050 U	0.0050 U	0.3370	0.0050 U	--	0.0050 U	166.00	0.0574	0.0436	0.0958	75.4000	0.02800
3/15	0.0020 U	0.0070	0.3900	0.0020 U	--	0.0040 U	140.00	0.0087 J	0.0190	0.0210	27.0000	0.00370
9/15	0.0010 U	0.0061	0.2800	0.0010 U	--	0.0005 U	150.00	0.0050 U	0.0110	0.0050 U	14.0000	0.00100 U
3/16	0.0050 U	0.0050 U	0.3810	0.0050 U	--	0.0050 U	--	0.0050 U	0.0129	0.0150	--	0.00500 U
8/16	0.0020 U	0.0035	0.2450	0.0020 U	--	0.0020 U	136.00	0.0065	0.0105	0.0159	13.1000	0.00345
3/17	0.0050 U	0.0050 U	0.4520	0.0050 U	--	0.0050 U	143.00	0.0050 U	0.0088	0.0102	19.6000	0.00500 U
9/17	0.0050 U	0.0050 U	0.2260	0.0050 U	--	0.0050 U	154.00	0.0050 U	0.0079	0.0074	9.5500	0.00500 U
3/18	0.0050 U	0.0075	0.5820	0.0050 U	--	0.0050 U	110.00	0.0050 U	0.0070	0.0093	19.6000	0.00500 U
9/18	0.0050 U	0.0055	0.2300	0.0050 U	--	0.0050 U	142.00	0.0050 U	0.0073	0.0050 U	6.6700	0.00500 U
4/19	0.0010 U	0.0027	0.5660	0.0010 U	--	0.0010 U	115.00	0.0021	0.0066	0.0020	21.4000	0.00100 U
8/19	0.0010 U	0.0031	0.1340	0.0010 U	--	0.0010 U	139.00	0.0096	0.0126	0.0141	14.4000	0.00339
3/20	0.0010 U	0.0026	0.5700	0.0010 U	--	0.0010 U	139.00	0.0041	0.0076	0.0012	22.5000	0.00100 U
7/20	0.0010 U	0.0031	0.3640	0.0010 U	--	0.0010 U	128.00	0.0024	0.0062	0.0154	13.7000	0.00100 U
3/21	0.0010 U	0.0039	0.5820	0.0010 U	--	0.0010 U	103.00	0.0040	0.0086	0.0070 B	26.7000	0.00121

Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
5/01	--	1.26800	0.000100 U	0.0096	--	0.00600	0.0052 U	--	0.0009 U	0.2000 U	0.00340
9/02	--	2.30100	0.000100 U	0.0185	--	0.04620	0.0262	--	0.0010	0.0008 U	0.00030 U
6/03	--	0.87840	0.000200 U	0.0140	--	0.00260	0.0096 U	--	0.0010 U	0.0008 U	0.00710
10/03	--	1.85000	0.000200 U	0.0092	--	0.00510	0.0022 U	--	0.0004 U	0.0003 U	0.00340
3/04	--	2.04600	0.000200 U	0.0137	--	0.00490	0.0022 U	--	0.0004 U	0.0003 U	0.00380
9/04	--	1.11200	0.000100 U	0.0088	--	0.00360	0.0018 U	--	0.0006 U	0.0003 U	0.00320
4/05	--	2.10050	0.000100 U	0.0145	--	0.00700	0.0018 U	--	0.0006 U	0.0050 U	0.00600
9/05	--	2.23700	0.000100 U	0.0141	--	0.00440	0.0018 U	--	0.0006 U	0.0050 U	0.00370
4/06	--	0.00200 U	0.000100 U	0.0111	--	0.01350	0.0004 U	--	0.0004 U	0.0050 U	0.00230
9/06	--	1.48100	--	0.0103	--	0.00400	0.0005 U	--	0.0007 U	0.0050 U	0.00200 U
4/07	--	--	0.000200 U	0.0091	--	0.00870	0.0005 U	--	0.0007 U	0.0500 U	0.00200 U
10/07	--	--	0.000400	0.0200	--	0.01200	0.0005 U	--	0.0007 U	0.0020 U	0.00770
3/08	--	--	0.000200 U	0.0142	--	0.01190	0.0008 U	--	0.0006 U	0.0500 U	0.00420
9/08	--	--	0.000200 U	0.0143	--	0.01000	0.0016 U	--	0.0012 U	0.0020 U	0.00400 U
3/09	--	--	0.000200 U	0.0116	--	0.01300	0.0043 U	--	0.0008 U	0.0011 U	0.01000 U
9/09	129.000	3.58000	0.003800	0.1740	35.700	0.01930	0.0020 U	286.00	0.0020 U	--	0.07890
7/10	--	--	0.001300	0.1100	--	0.00070 J	0.0010 U	--	0.0010 U	0.0030 J	0.03400
9/10	132.000	3.76000	0.003070	0.2280	19.300	0.02140	0.0050 U	174.00	0.0050 U	--	0.13600
4/11	96.500	1.68000	0.000260	0.0258	61.300	0.01020	0.0050 U	202.00	0.0050 U	--	0.01940
9/11	132.000	2.66000	0.001010	--	15.000	0.00977	0.0050 U	183.57	0.0050 U	--	0.03310
3/12	168.000	6.03000	0.006450	0.0260	58.600	0.01980	0.0050 U	226.00	0.0050 U	--	0.36300

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 6/22/21

	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)
9/12	116.000	3.07000	0.001730	0.0364	12.900	0.02250	0.0050 U	167.00	0.0050 U	--	0.04920
4/13	139.000	4.65000	0.000842	0.0364	33.300	0.02760	0.0050 U	279.00	0.0050 U	--	0.08110
9/13	120.000	2.10000	0.000200 U	--	70.000	0.00100 U	0.0010 U	280.00	0.0010 U	--	0.00500 U
9/13	120.000	3.10000	0.001400	--	12.000	0.00069 J	0.0010 U	150.00	0.0010 U	--	0.09200
9/13	127.000	3.53000	0.000956	0.0306	15.400	0.01570	0.0050 U	184.00	0.0050 U	--	0.03620
3/14	128.000	1.91000	0.000610	0.0508	51.500	0.01690	0.0050 U	224.00	0.0050 U	--	0.03070
9/14	137.000	5.17000	0.004373	0.0915	23.400	0.01440	0.0050 U	207.90	0.0050 U	--	0.08960
3/15	150.000	3.10000	0.000320	0.0037 J	89.000	0.01300 J	0.0100 U	320.00	0.0020 U	--	0.01600
9/15	130.000	4.70000	0.000200 U	0.0100 J	65.000	0.01600	0.0010 U	300.00	0.0010 U	--	0.00500 U
3/16	--	3.54000	0.000200 U	0.0211	69.300	0.01110	0.0050 U	--	0.0050 U	--	0.00500 U
8/16	115.000	2.76000	0.000200 U	0.0252	51.400	0.00957	0.0020 U	233.00	0.0010 U	--	0.00977
3/17	144.000	2.74000	0.000200 U	0.0157	86.300	0.01150	0.0050 U	346.00	0.0050 U	--	0.00500 U
9/17	126.000	3.46000	0.000200 U	0.0222	44.600	0.00790	0.0050 U	245.00	0.0050 U	--	0.00500 U
3/18	135.000	1.41000	0.000200 U	0.0129	112.000	0.00500 U	0.0050 U	337.00	0.0050 U	--	0.00500 U
9/18	116.000	3.44000	0.000200 U	0.0216	43.500	0.01580	0.0050 U	220.00	0.0050 U	--	0.00500 U
4/19	138.000	1.90000	0.000100 U	0.0108	85.700	0.00100 U	0.0010 U	253.00	0.0010 U	--	0.00130
8/19	121.000	5.52000	0.000315	0.0381	15.800	0.00138	0.0010 U	194.00	0.0010 U	--	0.01150
3/20	180.000	2.51000	0.000100 U	0.0150	89.900	0.00100 U	0.0010 U	360.00	0.0010 U	--	0.00203
7/20	136.000	2.29000	0.000100 U	0.0181	65.500	0.00100 U	0.0010 U	253.00	0.0010 U	--	0.00131
3/21	137.000	1.81000	0.000113	0.0119	93.500	0.00127	0.0010 U	307.00	0.0010 U	--	0.00497

Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
MCL/ GWPS	
5/01	--
9/02	--
6/03	--
10/03	--
3/04	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.01750
10/07	0.07990
3/08	0.11310
9/08	0.03520
3/09	0.05010
9/09	0.55600
7/10	0.17000
9/10	0.76500
4/11	0.15300
9/11	0.15000
3/12	0.97500

Gude Landfill
Monitoring Location OB105 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/12	0.25200
4/13	0.26300
9/13	2.00000 U
9/13	0.49000
9/13	0.15700
3/14	0.18000
9/14	0.39100
3/15	0.07600
9/15	0.08500
3/16	0.03790
8/16	0.05990
3/17	0.02200
9/17	0.04090
3/18	0.05190
9/18	0.01910
4/19	0.02610 B
8/19	0.08780 B
3/20	0.01670
7/20	0.04230
3/21	0.13800

Gude Landfill
Monitoring Location OB105 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	1.00 U	0.17 U	0.21 U	0.19 U	1.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	1.46
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	0.23 J	1.00 U	3.38
7/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.00
9/10	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	0.55 J	2.00 U	3.32
4/11	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	1.00 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 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	3.90
9/12	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	1.00 U	1.00 U	4.51
4/13	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	7.03
9/13	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
3/14	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	3.66
9/14	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	4.22
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	1.78
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	1.00 U	1.00 U	2.37
3/16	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	3.05
8/16	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	1.88
3/17	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	2.87
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	1.00 U	1.00 U	3.52
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
9/18	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	2.61
4/19	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	1.00 U	1.00 U
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	1.00 U	3.70
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	1.00 U	1.00 U	1.00 U	1.00 U	1.20
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location OB105 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
5/01	0.11 U	--	1.00 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
10/03	0.11 U	1.35	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
3/04	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.30	--	0.39 U	--	1.00 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.50 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.50 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.50 U	0.13 U
9/09	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	2.50 U	1.00 U	0.60 J	1.00 U
7/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	31.10	2.00 U	0.90 J	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.55 J	0.89 J
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB105 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.24	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	9.40 B	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	6.90	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.10	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 OB105 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
5/01	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
6/03	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
10/03	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	1.00 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/04	0.27 U	0.25 U	3.19	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	3.71	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	2.00 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.25 U	8.03	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
3/08	0.21 U	0.50 U	0.25 U	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.20 U	7.14	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
3/09	0.12 U	0.20 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	11.10	1.00 U	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
7/10	1.00 U	1.00 U	13.00	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 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 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U	1.00 U
9/12	1.00 U	1.00 U	15.00	1.00 U	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
4/13	1.00 U	1.00 U	24.60	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	11.40	1.00 U	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
9/14	1.00 U	1.00 U	11.60	1.00 U	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
3/15	1.00 U	1.00 U	3.17	1.00 U	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
9/15	1.00 U	1.00 U	5.54	1.00 U	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
3/16	1.00 U	1.00 U	7.11	1.00 U	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
8/16	1.00 U	1.00 U	6.64	1.00 U	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
3/17	1.00 U	1.00 U	3.99	1.00 U	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
9/17	1.00 U	1.00 U	6.77	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	5.77	1.00 U	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
4/19	1.00 U	1.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	1.00 U	7.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	5.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 OB105 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
5/01	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
10/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.51	0.27 U
3/04	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	0.04	0.27 U
9/04	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.01	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.31	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	2.04	0.18 U
3/08	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.69	0.10 U	--	0.18 U	0.11 U
3/09	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	1.25	1.00 U	--	1.51	1.00 U
7/10	1.00 U	1.00 U	5.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U
9/10	2.00 U	2.00 U	2.00 U	1.38 J	2.00 U	2.00 U	3.03	2.00 U
4/11	1.00 U	1.00 U	5.00 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

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/11	1.00 U	1.00 U	5.00 U	2.10	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.40	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/13	1.00 U	1.00 U	5.00 U	2.96	1.00 U	5.00 U	1.66	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.46	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 - General Parameters

Printed 6/22/21

	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				
5/01	--	--	--	82.1356	0.002	--	--	--	--	--	--	--	--	--
3/04	--	--	--	--	0.473	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.011
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
9/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.018
4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	80.0	0.20 U	7.5 J	58.2000	--	--	160.0	1.4650	--	--	--	--	--	--
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	79.0	0.20 U	6.7 J	67.7000	--	--	160.0	1.3876	1.40	0.01 J	--	--	--	--
4/11	98.0	0.20 U	24.8	38.1000	--	--	95.0	0.4010	0.45	0.05 U	--	--	--	--
9/11	31.0	0.20 U	14.1	5.3200	--	--	29.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	99.0	0.20 U	22.8	157.0000	--	--	122.0	0.7990	0.85	0.05 U	--	--	--	--
9/12	38.0	0.20 U	14.5	13.1000	--	--	48.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/13	68.0	0.20 U	10.0 U	75.3000	--	11.65	124.0	1.6600	1.67	0.05 U	--	6.46	--	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location ST015 - General Parameters

Printed 6/22/21

	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)
9/13	29.0	0.20 U	10.0 U	10.2000	--	7.82	36.0	0.2000 U	0.20 U	0.05 U	284.0	6.83	--	--
3/14	180.0	0.90	36.2	1090.0000	--	9.99	252.0	1.6949	--	--	401.0	6.64	--	--
9/14	52.0	0.20 U	10.0 U	30.7000	--	5.34	74.0	0.2000 U	0.20 U	0.05 U	--	6.61	--	--
3/15	154.0	0.23	35.5	806.0000	--	14.50	246.0	1.1400	1.19	0.05 U	369.0	8.01	--	--
3/16	136.0	0.20 U	17.6	397.0000	--	9.70	244.0	0.5244	0.58	0.06	--	6.83	--	--
8/16	100.0	0.48	12.7	80.9000	--	3.47	140.0	0.2000 U	0.20 U	0.05 U	135.0	6.71	--	--
3/17	59.0	0.20 U	14.3	240.0000	--	9.50	124.0	1.0700	1.08	0.05 U	194.0	6.99	--	--
9/17	83.0	0.20 U	11.4	62.4000	--	4.73	108.0	0.2000 U	0.20 U	0.05 U	231.0	6.93	--	--
4/18	104.0	0.20 U	26.4	1040.0000	--	8.17	197.0	0.2200	0.27	0.05 U	138.0	6.68	--	--
9/18	76.1	0.20 U	10.0 U	9.1100	--	6.58	81.0	1.2000	1.21	0.05 U	201.0	6.96	--	--
4/19	78.7	0.10 U	17.3	142.0000	--	10.08	159.0 B	1.4000	--	--	145.3	7.25	7.30	--
8/19	74.5	0.10 U	3.0 U	108.0000	--	7.96	160.0	1.7000	--	--	110.8	8.36	7.41	--
3/20	65.6	0.10 J	4.3	90.9000	--	11.21	150.0	1.8100	--	--	145.6	8.67	7.61	--
8/20	74.6	0.10 U	16.6	94.3000	--	7.08	158.0	1.3300	--	--	26.8	7.33	7.14	--
3/21	64.0	0.10 U	10.6	114.0000	--	11.95	97.5	0.9390	--	--	129.7	7.93	7.59	--

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										
5/01	--	--	--	--	--	--	--	--	2.000	--
3/04	--	--	--	--	--	--	0 U	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	--	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0	--	--	--
9/09	--	--	20.70	--	--	280.0	--	--	3.040	--
8/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	25.50	--	--	404.0	--	--	6.060	--
4/11	--	--	7.19	--	--	204.0	--	--	25.600	--
9/11	--	--	4.42	--	--	1276.0	--	--	--	--
3/12	--	--	8.46	--	--	392.0	--	--	--	--
9/12	--	--	4.00 U	--	--	100.0	--	--	--	--
3/13	526.3	--	12.60	--	5.8	222.0	--	--	--	--

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)
9/13	93.3	--	4.00 U	--	19.0	6.0	--	--	--	6.20
3/14	3441.0	--	25.30	--	9.4	2028.0	--	--	--	16.40
9/14	200.0	--	4.59	--	20.9	134.0	--	--	--	--
3/15	2406.0	--	20.90	--	8.5	1468.0	--	--	--	15.90
3/16	1331.0	--	19.60	--	13.0	823.0	--	--	--	3.90
8/16	367.0	--	4.00 U	--	23.8	197.0	--	--	--	3.80
3/17	791.8	--	9.19	--	11.9	482.0	--	--	--	7.00
9/17	290.1	--	4.94	--	20.6	199.0	--	--	--	0.00
4/18	2984.0	--	16.40	--	10.6	1850.0	--	--	--	5.10
9/18	201.0	--	50.30	--	20.0	174.0	--	--	--	7.80
4/19	752.0	627.0	15.70	--	19.9	380.0	--	4.8	4.740	130.00
8/19	0.5	523.0	18.50	--	24.2	338.0	--	2.5 U	1.210	0.00
3/20	410.1	472.0	13.50	--	10.7	275.0	--	2.7 U	4.280	0.50
8/20	480.3	504.0	13.20	--	22.2	310.0	--	4.7	2.500 O-	9.10
3/21	454.9	527.0	12.70	--	13.4	280.0	--	4.4	5.320	10.02

Gude Landfill
Monitoring Location ST015 - Dissolved Metals

Printed 6/22/21

Nickel, dissolved (mg/L)

MCL/
GWPS

9/11	0.01	U
3/12	0.01	
9/12	0.01	U
3/13	0.01	
9/13	0.01	U

Gude Landfill
Monitoring Location ST015 - Total Metals

Printed 6/22/21

	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
5/01	0.0007 U	0.0020 U	0.0278	0.0005 U	--	0.0006 U	--	0.0020 U	0.0007 U	0.0169	--	0.00130 U
3/04	0.0009 U	0.0008 U	0.0449	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0149	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0470	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0104	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0451	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0159	--	0.00200 U
9/05	0.0028 U	0.0006 U	0.0511	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0100	--	0.00200 U
4/06	0.0006 U	0.0006 U	0.0468	0.0007 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0074	--	0.00200 U
9/06	0.0007 U	0.0008 U	0.0502	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0055	--	0.00070 U
4/07	0.0007 U	0.0008 U	0.0481	0.0009 U	0.084	--	--	0.0007 U	0.0020 U	0.0059	--	0.00070 U
10/07	0.0020 U	0.0008 U	0.0545	0.0009 U	0.083	--	--	0.0020 U	0.0020 U	0.0076	--	0.00200 U
3/08	0.0005 U	0.0006 U	0.0454	0.0010 U	0.077	--	--	0.0020 U	0.0020 U	0.0050	--	0.00200 U
3/09	0.0020 U	0.0020 U	0.0786	0.0010 U	0.072	--	--	0.0041	0.0027	0.0139	--	0.00320
9/09	0.0020 U	0.0020 U	0.0588	0.0020 U	--	0.0020 U	33.40	0.0020 U	0.0005 J	0.0058	0.3720	0.00200 U
8/10	0.0010 U	0.0008 J	0.0600	0.0010 U	--	0.0010 U	--	0.0007 J	0.0008 J	0.0023	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0681	0.0050 U	--	0.0050 U	32.50	0.0050 U	0.0050 U	0.0077	0.7010	0.00500 U
4/11	0.0050 U	0.0050 U	0.0290	0.0050 U	--	0.0050 U	27.40 J	0.0050 U	0.0050 U	0.0062	0.8630	0.00500 U
9/11	0.0050 U	0.0050 U	0.0197	0.0050 U	--	0.0050 U	10.30	0.0050 U	0.0050 U	0.0050 U	0.5000 U	0.00500 U
3/12	0.0050 U	0.0050 U	0.0367	0.0050 U	--	0.0050 U	31.20	0.0050 U	0.0050 U	0.0081	0.8460	0.00500 U
9/12	0.0050 U	0.0050 U	0.0197	0.0050 U	--	0.0050 U	14.40	0.0050 U	0.0050 U	0.0050 U	0.6800	0.00500 U
3/13	0.0050 U	0.0050 U	0.0630	0.0050 U	--	0.0050 U	31.10	0.0050 U	0.0050 U	0.0058	0.4540	0.00500 U
9/13	0.0050 U	0.0050 U	0.0165	0.0050 U	--	0.0050 U	11.40	0.0050 U	0.0050 U	0.0050 U	0.3450	0.00500 U
3/14	0.0050 U	0.0050 U	0.0888	0.0050 U	--	0.0050 U	61.70	0.0050 U	0.0050 U	0.0089	0.2000 U	0.00500 U

Gude Landfill
Monitoring Location ST015 - Total Metals

Printed 6/22/21

	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)
9/14	0.0050 U	0.0050 U	0.0288	0.0050 U	--	0.0050 U	20.10	0.0050 U	0.0050 U	0.0050 U	0.6200	0.00500 U
3/15	0.0020 U	0.0020 U	0.0630	0.0020 U	--	0.0040 U	70.00	0.0100 U	0.0100 U	0.0062 J	0.4400	0.00200 U
3/16	0.0050 U	0.0050 U	0.0948	0.0050 U	--	0.0050 U	60.30	0.0050 U	0.0050 U	0.0056	0.8250	0.00500 U
8/16	0.0050 U	0.0050 U	0.0409	0.0050 U	--	0.0050 U	29.50	0.0050 U	0.0050 U	0.0050 U	2.1700	0.00500 U
3/17	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	28.90	0.0050 U	0.0050 U	0.0270	0.6860	0.00500 U
9/17	0.0050 U	0.0050 U	0.0422	0.0050 U	--	0.0050 U	26.80	0.0050 U	0.0050 U	0.0050 U	1.4500	0.00500 U
4/18	0.0050 U	0.0050 U	0.0981	0.0050 U	--	0.0050 U	54.90	0.0050 U	0.0050 U	0.0050 U	0.7860	0.00500 U
9/18	0.0050 U	0.0050 U	0.0535	0.0050 U	--	0.0050 U	10.30	0.0050 U	0.0050 U	0.0070	3.5400	0.00500 U
4/19	0.0010 U	0.0010 U	0.0692	0.0010 U	--	0.0010 U	30.00	0.0010 U	0.0013	0.0022	0.3560	0.00100 U
8/19	0.0010 U	0.0010 U	0.0717	0.0010 U	--	0.0010 U	33.10	0.0010 U	0.0010 U	0.0010 U	0.1650	0.00100 U
3/20	0.0010 U	0.0010 U	0.0847	0.0010 U	--	0.0010 U	28.60	0.0010 U	0.0011	0.0010 U	0.3640	0.00100 U
8/20	0.0010 U	0.0010 U	0.0768	0.0010 U	--	0.0010 U	32.40	0.0010 U	0.0010 U	0.0010	0.3060	0.00100 U
3/21	0.0010 U	0.0010 U	0.0442	0.0010 U	--	0.0010 U	20.80	0.0010	0.0010 J	0.0029	0.4290	0.00100 U

Gude Landfill
Monitoring Location ST015 - Total Metals

Printed 6/22/21

	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			
5/01	--	0.10650	0.000100 U	0.0050	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00200 U	--
3/04	--	0.28460	0.000200 U	0.0091	--	0.00070 U	0.0022 U	--	0.0004 U	0.0020 U	0.00200 U	--
9/04	--	0.14480	0.000100 U	0.0060	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U	--
4/05	--	0.13940	0.000100 U	0.0090	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
9/05	--	0.11850	0.000100 U	0.0047	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
4/06	--	0.18260	0.000100 U	0.0091	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	0.12610	0.000200 U	0.0043	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U	--
4/07	--	--	0.000200 U	0.0087	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00070 U	0.02460
10/07	--	--	0.000200 U	0.0069	--	0.00080 U	0.0005 U	--	0.0007 U	0.0024	0.00200 U	0.01870
3/08	--	--	0.000200 U	0.0097	--	0.00200 U	0.0001 U	--	0.0001 U	0.0500 U	0.00200 U	0.02960
3/09	--	--	0.000200 U	0.0172	--	0.00090 U	0.0008 U	--	0.0006 U	0.0011 U	0.00270	0.05360
9/09	13.700	0.10100	0.000200 U	0.0083	2.590	0.00200 U	0.0020 U	24.50	0.0020 U	--	0.00030 J	0.02020
8/10	--	--	0.000200 U	0.0065	--	0.00100 U	0.0010 U	--	0.0005 J	0.0050 U	0.00500 U	0.02300
9/10	15.000	0.19000	0.000200 U	0.0078	2.580	0.00500 U	0.0050 U	24.80	0.0050 U	--	0.00500 U	0.01740
4/11	8.500	0.10900	0.000200 U	0.0052	3.480	0.00500 U	0.0050 U	28.00 J	0.0050 U	--	0.00500 U	0.01310
9/11	2.230	0.04340	0.000200 U	--	2.150	0.00500 U	0.0050 U	4.33	0.0050 U	--	0.00500 U	0.01030
3/12	12.000	0.24500	0.000200 U	--	4.160	0.00500 U	0.0050 U	108.00	0.0050 U	--	0.00500 U	0.01550
9/12	3.730	0.07660	0.000200 U	--	1.480	0.00500 U	0.0050 U	7.36	0.0050 U	--	0.00500 U	0.00650
3/13	16.000	0.15500	0.000200 U	--	2.110	0.00500 U	0.0050 U	29.10	0.0050 U	--	0.00500 U	0.02070
9/13	3.010	0.03820	0.000200 U	--	1.140	0.00500 U	0.0050 U	7.17	0.0050 U	--	0.00500 U	0.00503
3/14	20.300	0.32900	0.000200 U	0.0119	6.830	0.00500 U	0.0050 U	607.00	0.0050 U	--	0.00500 U	0.01670

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill
Monitoring Location ST015 - Total Metals**

Printed 6/22/21

	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)
9/14	5.930	0.20100	0.000200 U	0.0050 U	1.630	0.00500 U	0.0050 U	12.30	0.0050 U	--	0.00500 U	0.00583
3/15	19.000	0.25000	0.000200 U	0.0130	7.700	0.03500 U	0.0100 U	450.00	0.0020 U	--	0.01000 U	0.01900
3/16	26.200	0.48200	0.000200 U	0.0129	4.780	0.00500 U	0.0050 U	233.00	0.0050 U	--	0.00500 U	0.01040
8/16	11.300	0.73800	0.000200 U	0.0050 U	1.780	0.00500 U	0.0050 U	25.50	0.0050 U	--	0.00500 U	0.00564
3/17	7.790	0.11700	0.000200 U	0.0064	2.630	0.00500 U	0.0050 U	143.00	0.0050 U	--	0.00500 U	0.00578
9/17	10.300	0.45200	0.000200 U	0.0057	1.710	0.00500 U	0.0050 U	18.80	0.0050 U	--	0.00500 U	0.02890
4/18	14.500	0.30700	0.000200 U	0.0091	4.560	0.00500 U	0.0050 U	566.00	0.0050 U	--	0.00500 U	0.02030
9/18	13.400	0.06410	0.000200 U	0.0050 U	1.670	0.00500 U	0.0050 U	35.30	0.0050 U	--	0.00500 U	0.02050
4/19	20.400	0.25400	0.000100 U	0.0075	2.340	0.00100 U	0.0010 U	55.70	0.0010 U	--	0.00100 U	0.01070
8/19	18.800	0.11200	0.000100 U	0.0043	2.170	0.00100 U	0.0010 U	32.80	0.0010 U	--	0.00100 U	0.00441 B
3/20	19.100	0.15500	0.000100 U	0.0088	1.930	0.00100 U	0.0010 U	31.20	0.0010 U	--	0.00100 U	0.01790
8/20	18.800	0.18600	0.000100 U	0.0055	2.200	0.00100 U	0.0010 U	30.30	0.0010 U	--	0.00115	0.00817
3/21	11.000	0.12900	0.000100 U	0.0029	1.510	0.00100 U	0.0010 U	51.60	0.0010 U	--	0.00100 U	0.01710

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1.00 U	0.22 U	0.21 U	1.00 U	0.20 U	1.00 U	0.17 U	0.21 U	0.19 U	1.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	0.43 U	0.27 U	0.34 U	0.33 U	0.44 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	1.00 U	0.24 U	2.82	1.80	0.27 U	0.37 U	0.35 U	3.69	5.52	2.56	10.00 U	1.00 U	1.00 U	2.01	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.50 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	0.46 J
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/13	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
3/14	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
9/14	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
3/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
5/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/04	0.11 U	3.27	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.33	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	2.58	3.49	--	3.90	--	0.28 U	1.00 U	1.00 U	1.09	1.00 U	0.75 U	0.25 U	1.00 U	0.31 U
9/06	1.00 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	1.11	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.16 U	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.94 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.22 J	2.50 U	1.00 U	1.00 U	0.08 J
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.20	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
5/01	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/04	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/06	0.27 U	0.25 U	0.28 U	1.00 U	1.04	1.00 U	2.00 U	0.28 U	--	2.33	1.00 U	1.00 U	1.00 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	1.15	3.64	0.28 U	--	0.25 U	0.34 U	1.45	0.25 U	0.36 U	5.94
3/08	0.21 U	0.15 U	0.76	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
3/09	0.12 U	0.20 U	1.00	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	0.53 J	1.00 U	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
8/10	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location ST015 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
5/01	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
3/04	0.22 U	0.13 U	0.14 U	1.08	0.18 U	--	0.05	0.27 U
9/04	0.45 U	0.24 U	0.30 U	1.05	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	1.00 U	1.00 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	1.06	1.83	1.00 U	0.36 U	--	0.32 U	1.00 U
9/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	1.40	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	5.09
3/08	0.22 U	0.08 U	--	1.10	0.07 U	--	0.22 U	0.22 U
3/09	0.14 U	0.13 U	--	2.20	0.50 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	0.62 J	1.00 U	--	1.00 U	1.00 U
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.50	1.00 U	5.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST015 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
3/20	1.00 U	1.00 U	1.00 U	1.10	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	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.90	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST065 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	90.7963	0.005 U	--	--	1.2261	--	--	--	--	--	--
9/01	--	--	--	42.5057	0.002	--	--	--	--	--	--	--	--	--
3/02	--	--	--	249.4420	0.004	--	--	--	--	--	--	--	--	--
9/02	--	--	--	45.8664	0.001 U	--	--	--	--	--	--	--	--	--
6/03	--	--	--	69.5377	0.005 U	--	--	--	--	--	--	--	--	0.010
10/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.010 U
3/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.001 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
9/06	--	--	--	--	0.630	--	--	--	--	--	--	--	--	0.011
4/07	--	--	--	--	0.119	--	--	--	--	--	--	--	--	0.011
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	70.0	0.20 U	34.8	51.7000	--	--	100.0	0.2000 U	--	--	--	--	--	--
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST065 - General Parameters

Printed 6/22/21

	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)
9/10	88.0	0.20 U	7.7 J	98.4000	--	--	170.0	1.1170	1.12	0.05 U	--	--	--	--
4/11	243.0	0.20 U	35.1	99.6000	--	--	180.0	0.3920	0.44	0.05 U	--	--	--	--
9/11	203.0	0.20 U	39.2	154.0000	--	--	174.0	0.2000 U	0.20 U	0.05 U	--	--	--	--
3/12	237.0	0.20 U	32.6	136.0000	--	--	178.0	0.6210	0.63	0.05 U	--	--	--	--
9/12	98.0	0.20 U	10.5	91.5000	--	--	150.0	0.6540	0.70	0.05 U	--	--	--	--
3/13	253.0	0.20 U	60.7	171.0000	--	10.33	196.0	0.2000 U	0.20 U	0.05 U	--	6.42	--	--
9/13	112.0	0.20 U	10.0 U	68.4000	--	8.15	170.0	1.1600	1.17	0.05 U	337.0	7.48	--	--
3/14	74.0	0.20 U	18.6	586.0000	--	14.74	174.0	1.3700	--	--	505.0	7.88	--	--
9/14	174.0	0.20 U	110.0	89.2000	--	6.81	158.0	1.0775	1.14	0.06	--	8.07	--	--
3/15	65.0	0.20 U	10.0	273.0000	--	12.08	120.0	1.1500	1.20	0.05 U	356.0	7.53	--	--
3/16	68.0	0.20 U	10.0 U	192.0000	--	12.43	156.0	1.3000	1.35	0.05 U	--	7.69	--	--
9/18	272.0	0.20 U	41.3	96.3000	--	4.47	201.0	0.2000 U	0.20 U	0.05 U	111.0	7.36	--	--
4/19	89.1	0.15	18.9	171.0000	--	10.43	173.0 B	2.0000	--	--	135.9	7.72	7.77	--
7/19	78.5	0.10 U	21.5	98.1000	--	8.05	142.0 B	1.6000	--	--	200.0	7.76	7.66	--
3/20	79.5	0.10 U	10.8	105.0000	--	13.92	142.0	1.9000	--	--	241.6	7.84	7.97	--
7/20	66.1	0.10 U	16.7	97.4000	--	7.99	146.0	1.1200	--	--	76.6	7.73	7.70	--
3/21	76.0	0.12	15.1	278.0000	--	11.58	147.0	0.8280	--	--	50.0	2.49	7.92	--

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										
4/01	--	--	--	--	--	--	--	--	8.900	--
9/01	--	--	--	--	--	--	--	--	1.500	--
3/02	--	--	--	--	--	--	--	--	1.880	--
9/02	--	--	--	--	--	--	--	--	0.200	--
6/03	--	--	--	--	--	--	0	--	4.500	--
10/03	--	--	--	--	--	--	0 U	--	--	--
3/04	--	--	--	--	--	--	--	--	--	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	5.32	--	--	196.0	--	--	90.300	--
8/10	--	--	--	3.0 U	--	--	--	--	--	--

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)
9/10	--	--	10.80	--	--	500.0	--	--	0.696	--
4/11	--	--	26.60 U	--	--	524.0	--	--	8.260	--
9/11	--	--	32.80	--	--	588.0	--	--	--	--
3/12	--	--	25.40	--	--	532.0	--	--	--	--
9/12	--	--	10.40	--	--	360.0	--	--	--	--
3/13	1.0	--	26.30	--	7.3	562.0	--	--	--	--
9/13	466.9	--	29.20	--	23.5	352.0	--	--	--	0.00
3/14	1916.0	--	19.80	--	5.9	1038.0	--	--	--	--
9/14	563.0	--	10.70	--	22.8	370.0	--	--	--	--
3/15	813.1	--	13.50	--	10.6	470.0	--	--	--	7.50
3/16	694.3	--	14.00	--	10.1	473.0	--	--	--	1.00
9/18	807.0	--	10.40	--	24.0	459.0	--	--	--	7.80
4/19	712.0	752.0	18.00	--	14.3	430.0	--	2.6 U	1.650	6.90
7/19	529.0	505.0	12.50	--	22.9	321.0	--	2.5 U	0.760	0.00
3/20	420.4	520.0	14.00	--	8.8	310.0	--	2.6 U	1.320	328.30
7/20	495.2	487.0	10.30	--	24.8	268.0	--	2.3 U	0.544	17.80
3/21	859.0	1070.0	14.10	--	11.1	550.0	--	6.8	3.640	4.92

Gude Landfill
Monitoring Location ST065 - Dissolved Metals

Printed 6/22/21

Nickel, dissolved (mg/L)

MCL/
GWPS

9/11	0.01	
3/12	0.01	
9/12	0.01	U
3/13	0.01	
9/13	0.01	U

Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.0258	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.00130 U
9/01	0.0020 U	0.0007 U	0.0305	0.0017 U	--	0.0006 U	--	0.0012 U	0.0004 U	0.0082	--	0.00200 U
3/02	0.0005 U	0.0007 U	0.0475	0.0017 U	--	0.0006 U	--	0.0031	0.0020 U	0.0104	--	0.00200 U
9/02	0.0007 U	0.0020 U	0.0293	0.0004 U	--	0.0004 U	--	0.0026	0.0020 U	0.0076	--	0.00200 U
6/03	0.0007 U	0.0020 U	0.0328	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0157	--	0.00200 U
10/03	0.0009 U	0.0008 U	0.0327	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.00200 U
3/04	0.0009 U	0.0020 U	0.0745	0.0016 U	--	0.0020 U	--	0.0020 U	0.0074	0.0100 U	--	0.00200
9/04	0.0028 U	0.0006 U	0.0376	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0105	--	0.00060 U
4/05	0.0028 U	0.0006 U	0.0301	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0134	--	0.00200 U
9/05	0.0028 U	0.0006 U	0.0351	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0105	--	0.00200 U
4/06	0.0006 U	0.0006 U	0.0592	0.0007 U	--	0.0004 U	--	0.0020 U	0.0005 U	0.0137	--	0.00320
9/06	0.0007 U	0.0008 U	0.0472	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0049	--	0.00070 U
4/07	0.0007 U	0.0008 U	0.1000	0.0009 U	0.035	--	--	0.0020 U	0.0134	0.0063	--	0.00200 U
10/07	0.0020 U	0.0008 U	0.0404	0.0009 U	0.138	--	--	0.0020 U	0.0020 U	0.0069	--	0.00070 U
3/08	0.0005 U	0.0006 U	0.0380	0.0010 U	0.047	--	--	0.0020 U	0.0012 U	0.0075	--	0.00100 U
9/08	0.0010 U	0.0012 U	0.0314	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0069	--	0.00400 U
3/09	0.0020 U	0.0002 U	0.0447	0.0002 U	0.011	--	--	0.0020 U	0.0020 U	0.0058	--	0.00200 U
9/09	0.0020 U	0.0020 U	0.0912	0.0020 U	--	0.0020 U	18.10	0.0020 U	0.0137	0.0080	10.1000	0.00360
8/10	0.0010 U	0.0006 J	0.0350	0.0010 U	--	0.0010 U	--	0.0026	0.0010 U	0.0008 J	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0431	0.0050 U	--	0.0050 U	34.30	0.0050 U	0.0050 U	0.0066	0.2860 J	0.00500 U
4/11	0.0050 U	0.0050 U	0.0556	0.0050 U	--	0.0050 U	33.90 J	0.0050 U	0.0050 U	0.0067	0.6570	0.00500 U

Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.0790	0.0050 U	--	0.0050 U	34.20	0.0050 U	0.0050 U	0.0077	0.6130	0.00500 U
3/12	0.0050 U	0.0050 U	0.0484	0.0050 U	--	0.0050 U	30.60	0.0050 U	0.0050 U	0.0077	0.5070	0.00500 U
9/12	0.0050 U	0.0050 U	0.0450	0.0050 U	--	0.0050 U	34.30	0.0050 U	0.0050 U	0.0050 U	0.5480	0.00500 U
3/13	0.0050 U	0.0050 U	0.0644	0.0050 U	--	0.0050 U	34.60	0.0050 U	0.0050 U	0.0168	0.3900	0.00500 U
9/13	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	40.00	0.0050 U	0.0050 U	0.0050 U	0.2940	0.00500 U
3/14	0.0050 U	0.0050 U	0.0685	0.0050 U	--	0.0050 U	37.60	0.0050 U	0.0050 U	0.0055	0.4910	0.00500 U
9/14	0.0050 U	0.0050 U	0.2270	0.0050 U	--	0.0050 U	23.50	0.0226	0.0387	0.0267	17.8000	0.02440
3/15	0.0020 U	0.0020 U	0.0390	0.0020 U	--	0.0040 U	23.00	0.0100 U	0.0100 U	0.0035 J	0.5700	0.00200 U
3/16	0.0020 U	0.0020 U	0.0541	0.0020 U	--	0.0020 U	33.30	0.0020 U	0.0020 U	0.0023	0.5300	0.00200 U
9/18	0.0020 U	0.0020 U	0.0819	0.0020 U	--	0.0020 U	36.50	0.0021	0.0039	0.0020 U	0.7450	0.00200 U
4/19	0.0010 U	0.0010 U	0.0509	0.0010 U	--	0.0010 U	30.50	0.0010 U	0.0010 U	0.0014	0.1850	0.00100 U
7/19	0.0010 U	0.0010 U	0.0426	0.0010 U	--	0.0010 U	27.20 B	0.0010 U	0.0010 U	0.0010 U	0.1220	0.00100 U
3/20	0.0010 U	0.0010 U	0.0391	0.0010 U	--	0.0010 U	26.70	0.0010 U	0.0010 U	0.0010 U	0.1930	0.00100 U
7/20	0.0010 U	0.0010 U	0.0464	0.0010 U	--	0.0010 U	27.90	0.0010 U	0.0010 U	0.0010 U	0.1190	0.00100 U
3/21	0.0010 U	0.0010 U	0.0502	0.0010 U	--	0.0010 U	28.70	0.0010 U	0.0010 U	0.0017	0.4490	0.00100 U

Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	0.10780	0.000100 U	0.0062	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00200 U
9/01	--	0.05240	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U
3/02	--	0.10720	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U
9/02	--	0.02910	0.000100 U	0.0026	--	0.00440	0.0096 U	--	0.0010 U	0.0008 U	0.00030 U
6/03	--	0.09910	0.000200 U	0.0062	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
10/03	--	0.21330	0.000200 U	0.0041	--	0.00070 U	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
3/04	--	0.52620	0.000200 U	0.0151	--	0.00240	0.0022 U	--	0.0004 U	0.0003 U	0.00200 U
9/04	--	0.05200	0.000100 U	0.0037	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U
4/05	--	0.11200	0.000100 U	0.0057	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
9/05	--	0.08710	0.000100 U	0.0030	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
4/06	--	0.26990	0.000100 U	0.0083	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00200 U
9/06	--	0.05590	0.000200 U	0.0024	--	0.00200 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U
4/07	--	--	0.000200 U	0.0058	--	0.00080 U	0.0005 U	--	0.0007 U	0.0500 U	0.00200 U
10/07	--	--	0.000200 U	0.0037	--	0.00200 U	0.0005 U	--	0.0007 U	0.0020 U	0.00070 U
3/08	--	--	0.000200 U	0.0058	--	0.00090 U	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U
9/08	--	--	0.000200 U	0.0040 U	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U
3/09	--	--	0.000200 U	0.0028	--	0.00200 U	0.0009 U	--	0.0002 U	0.0011 U	0.00200 U
9/09	10.600	2.37000	0.000200 U	0.0080	2.920	0.00200 U	0.0020 U	25.70	0.0020 U	--	0.00360
8/10	--	--	0.000200 U	0.0029	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U
9/10	18.400	0.01790	0.000200 U	0.0050 U	4.000	0.00500 U	0.0050 U	37.00	0.0050 U	--	0.00500 U
4/11	26.900 J	0.14300	0.000200 U	0.0095	14.800	0.00500 U	0.0050 U	121.00 J	0.0050 U	--	0.00500 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 6/22/21

	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)
9/11	23.700	0.25000	0.000200 U	--	14.900	0.00820	0.0050 U	115.00	0.0050 U	--	0.00500 U
3/12	29.000	0.08640	0.000200 U	--	13.800	0.00500 U	0.0050 U	136.00	0.0050 U	--	0.00500 U
9/12	17.400	0.01820	0.000200 U	--	4.680	0.00500 U	0.0050 U	26.30	0.0050 U	--	0.00500 U
3/13	28.300	0.02870	0.000200 U	--	17.000	0.00500 U	0.0050 U	136.00	0.0050 U	--	0.00500 U
9/13	19.000	0.07050	0.000200 U	--	4.530	0.00500 U	0.0050 U	27.50	0.0050 U	--	0.00500 U
3/14	20.100	0.15400	0.000200 U	0.0090	5.100	0.00500 U	0.0050 U	345.00	0.0050 U	--	0.00500 U
9/14	19.500	5.11000	0.000200 U	0.0307	15.200	0.00500 U	0.0050 U	75.90	0.0050 U	--	0.02810
3/15	12.000	0.12000	0.000200 U	0.0085 U	3.300	0.03500 U	0.0100 U	150.00	0.0020 U	--	0.01000 U
3/16	18.600	0.13900	0.000200 U	0.0069	2.590	0.00200 U	0.0001 U	83.50	0.0010 U	--	0.00200 U
9/18	26.800	0.83200	0.000200 U	0.0083	14.800	0.00571	0.0020 U	85.60	0.0010 U	--	0.00200 U
4/19	23.400	0.08470	0.000100 U	0.0068	3.930	0.00100 U	0.0010 U	71.30	0.0010 U	--	0.00100 U
7/19	17.900	0.01770	0.000100 U	0.0027	3.410	0.00100 U	0.0010 U	32.10 B	0.0010 U	--	0.00100 U
3/20	18.200	0.07370	0.000100 U	0.0045	3.660	0.00100 U	0.0010 U	40.30	0.0010 U	--	0.00100 U
7/20	18.700	0.01720	0.000100 U	0.0024	3.460	0.00100 U	0.0010 U	29.40	0.0010 U	--	0.00100 U
3/21	18.200	0.08950	0.000100 U	0.0065	3.040	0.00100 U	0.0010 U	125.00	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

MCL/
GWPS

4/01	0.01000	U
9/01	--	
3/02	--	
9/02	--	
6/03	--	
10/03	--	
3/04	--	
9/04	--	
4/05	--	
9/05	--	
4/06	--	
9/06	--	
4/07	0.01850	
10/07	0.00320	
3/08	0.01000	U
9/08	0.02000	U
3/09	0.00580	
9/09	0.01650	
8/10	0.01100	
9/10	0.00500	U
4/11	0.00604	

Gude Landfill
Monitoring Location ST065 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/11	0.00665
3/12	0.00539
9/12	0.00500 U
3/13	0.00538
9/13	0.00500 U
3/14	0.00897
9/14	0.08630
3/15	0.00980 J
3/16	0.00420
9/18	0.00299
4/19	0.00400 U
7/19	0.00400 U
3/20	0.00400 U
7/20	0.00400 U
3/21	0.00704

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
9/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
10/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	0.19 U	0.17 U	0.21 U	0.19 U	1.00 U
3/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.04	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	1.00 U	0.28 U	11.00 U	0.27 U	0.34 U	0.33 U	11.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	10.00 U	0.18 U	0.17 U	0.20 U	0.23 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	0.14 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	1.13	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	1.34	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	1.00 U
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
4/11	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	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	1.00 U	1.00 U
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
3/16	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
9/18	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.20 U
9/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
10/03	0.11 U	0.26	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/04	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	1.00 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.50 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.50 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.50 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	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	1.00 U	2.50 U	1.00 U	1.00 U	1.00 U
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.15	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.88	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 ST065 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/01	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	3.15	0.27 U	0.21 U	0.17 U	0.24 U
3/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.00 U	0.24 U
9/02	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
6/03	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
10/03	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
3/04	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	1.00 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/04	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	1.00 U	0.32 U
9/06	0.27 U	1.00 U	1.00 U	0.29 U	0.27 U	1.00 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	1.00 U	1.00 U	1.00 U
4/07	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
3/08	0.21 U	0.15 U	0.25 U	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.20 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
3/09	0.12 U	0.20 U	9.43	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.50 U	0.12 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	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
8/10	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	1.00 U
9/10	2.00 U	0.81 J	2.00 U	2.00 U	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

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Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	1.60
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 ST065 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/01	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/02	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
10/03	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	0.02	0.27 U
3/04	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.01	0.27 U
9/04	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	1.00 U
9/06	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	1.00 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	0.11 U
3/09	0.69	0.13 U	--	7.13	0.10 U	--	1.29	0.11 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST065 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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)
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 ST120 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	90.1272	0.005 U	--	--	1.0604	--	--	--	--	--	--
9/01	--	--	--	41.5739	0.004	--	--	--	--	--	--	--	--	--
3/02	--	--	--	225.4730	0.003	--	--	--	--	--	--	--	--	--
6/03	--	--	--	65.7660	0.005 U	--	--	--	--	--	--	--	--	0.010
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.015
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014
9/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.012
4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.020
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	64.0	0.20 U	4.6 J	--	--	--	340.0	1.0290	--	--	--	--	--	--
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	70.0	0.20 U	11.1	93.2000	--	--	180.0	0.7920	0.84	0.05 U	--	--	--	--
4/11	60.0	0.20 U	15.1	102.0000 J	--	--	113.0	0.7870	0.84	0.05 U	--	--	--	--
9/11	49.0	0.20 U	11.9	50.1000	--	--	73.0	0.5810	0.63	0.05 U	--	--	--	--

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Gude Landfill
Monitoring Location ST120 - General Parameters

Printed 6/22/21

	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)
3/12	52.0	0.20 U	9.7	110.0000	--	--	98.0	1.3300	1.38	0.05 U	--	--	--	--
9/12	72.0	0.20 U	10.0 U	47.0000	--	--	100.0	1.3000	1.35	0.05 U	--	--	--	--
3/13	56.0	0.20 U	25.8	335.0000	--	15.42	130.0	1.2000	1.25	0.05 U	361.0	7.35	--	--
9/13	57.0	0.20 U	10.0 U	67.8000	--	11.51	120.0	0.8120	0.82	0.05 U	287.0	7.40	--	--
3/14	64.0	0.20 U	14.3	928.0000	--	14.45	208.0	1.3800	--	--	426.0	7.34	--	--
9/14	60.0	0.20 U	22.8	77.4000	--	8.37	130.0	0.5390	0.55	0.05 U	--	6.62	--	--
3/15	56.0	0.20 U	10.0 U	332.0000	--	12.92	138.0	1.6100	1.66	0.05 U	260.0	7.64	--	--
9/15	68.0	0.24	10.0 U	117.0000	--	7.63	174.0	1.2000	1.25	0.05 U	--	6.80	--	--
3/16	62.0	0.20 U	10.0 U	217.0000	--	10.94	160.0	1.4200	1.47	0.05 U	--	7.39	--	--
8/16	60.0	0.20 U	10.0 U	94.2000	--	7.56	188.0	1.2400	1.25	0.05 U	186.0	7.21	--	--
3/17	82.0	0.20 U	10.0 U	159.0000	--	11.70	186.0	1.3300	1.34	0.05 U	348.0	7.01	--	--
9/17	66.0	0.20 U	10.3	80.4000	--	9.72	230.0	1.1400	1.15	0.05 U	236.0	7.64	--	--
3/18	60.0	0.20 U	10.0 U	366.0000	--	11.81	190.0	1.3800	1.43	0.05 U	123.0	7.46	--	--
9/18	41.4	0.20 U	11.8	37.8000	--	8.34	64.0	0.5530	0.56	0.05 U	79.0	7.17	--	--
4/19	69.4	0.10 U	10.9	182.0000	--	10.05	173.0 B	1.8000	--	--	98.5	7.04	7.33	--
8/19	69.5	0.18	16.7	116.0000	--	8.06	153.0	1.6000	--	--	107.0	7.12	7.06	--
3/20	60.2	0.10 U	6.1	113.0000	--	0.53	152.0	1.8000	--	--	202.0	6.39	6.91	--
7/20	53.5	0.10 U	16.5	91.9000	--	7.36	139.0	0.7600	--	--	159.2	7.53	6.92	--
3/21	64.7	0.10 U	8.9	314.0000	--	12.09	160.0	1.5400	--	--	120.6	6.57	7.25	--

Gude Landfill Monitoring Location ST120 - 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										
4/01	--	--	--	--	--	--	--	--	5.800	--
9/01	--	--	--	--	--	--	--	--	3.500	--
3/02	--	--	--	--	--	--	--	--	3.740	--
6/03	--	--	--	--	--	--	0	--	4.300	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0 U	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	7.60	--	--	244.0	--	--	2.120	--
8/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	13.50	--	--	376.0	--	--	2.400	--
4/11	--	--	7.50	--	--	372.0	--	--	3.860	--
9/11	--	--	6.45	--	--	208.0	--	--	--	--

Gude Landfill Monitoring Location ST120 - 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)
3/12	--	--	7.76	--	--	284.0	--	--	--	--
9/12	--	--	5.56	--	--	228.0	--	--	--	--
3/13	1.3	--	7.85	--	7.4	660.0	--	--	--	5.00
9/13	340.0	--	8.37	--	18.0	272.0	--	--	--	--
3/14	2780.0	--	24.80	--	5.8	1676.0	--	--	--	9.80
9/14	377.9	--	8.87	--	19.4	268.0	--	--	--	--
3/15	1092.0	--	14.00	--	9.2	740.0	--	--	--	5.80
9/15	519.6	--	10.20	--	20.5	307.0	--	--	--	--
3/16	755.1	--	13.10	--	9.7	434.0	--	--	--	1.80
8/16	432.0	--	10.40	--	22.5	268.0	--	--	--	0.00
3/17	457.7	--	14.60	--	10.3	318.0	--	--	--	1.70
9/17	401.1	--	9.60	--	19.0	301.0	--	--	--	0.00
3/18	1135.0	--	15.20	--	7.4	765.0	--	--	--	0.60
9/18	202.2	--	5.77	--	19.4	137.0	--	--	--	0.10
4/19	684.0	729.0	15.50	--	13.8	435.0	--	3.1	2.170	2.00
8/19	5.3	521.0	12.80	--	21.7	336.0	--	2.5 U	1.780	4.60
3/20	410.5	507.0	12.30	--	9.2	276.0	--	2.3 U	2.040	2.30
7/20	491.2	544.0	8.37	--	24.4	284.0	--	6.6	1.120	39.60
3/21	1005.0	1190.0	15.40	--	8.4	626.0	--	4.1	2.560	2.51

Gude Landfill
Monitoring Location ST120 - Dissolved Metals

Printed 6/22/21

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/11	--	0.01
3/12	--	0.01
9/12	--	0.01
3/13	--	0.01
9/13	--	0.01
9/15	0.130	--

Gude Landfill
Monitoring Location ST120 - Total Metals

Printed 6/22/21

	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
4/01	0.0007 U	0.0005 U	0.0186	0.0005 U	--	0.0006 U	--	0.0003 U	0.0007 U	0.0159	--	0.00130 U
9/01	0.0020 U	0.0007 U	0.0335	0.0017 U	--	0.0006 U	--	0.0012 U	0.0020 U	0.0084	--	0.00200 U
3/02	0.0005 U	0.0020 U	0.0475	0.0017 U	--	0.0020 U	--	0.0024	0.0020 U	0.0090	--	0.00200 U
6/03	0.0007 U	0.0020 U	0.0340	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0167	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0340	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0112	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0321	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0100	--	0.00200 U
9/05	0.0028 U	0.0006 U	0.0447	0.0012 U	--	0.0020 U	--	0.0021	0.0020 U	0.0116	--	0.00310
4/06	0.0020 U	0.0006 U	0.0705	0.0007 U	--	0.0004 U	--	0.0021	0.0020 U	0.0105	--	0.00280
9/06	0.0007 U	0.0020 U	0.0582	0.0009 U	--	0.0006 U	--	0.0026	0.0020 U	0.0085	--	0.00200 U
4/07	0.0007 U	0.0020 U	0.0288	0.0009 U	0.020 U	--	--	0.0027	0.0020 U	0.0104	--	0.00210
10/07	0.0007 U	0.0008 U	0.0431	0.0009 U	0.045	--	--	0.0020 U	0.0020 U	0.0066	--	0.00200 U
3/08	0.0005 U	0.0006 U	0.0433	0.0010 U	0.038	--	--	0.0008 U	0.0012 U	0.0094	--	0.00100 U
9/08	0.0010 U	0.0012 U	0.0373	0.0020 U	0.091	--	--	0.0016 U	0.0024 U	0.0089	--	0.00400 U
3/09	0.0020 U	0.0020 U	0.1051	0.0002 U	0.031	--	--	0.0020 U	0.0020 U	0.0152	--	0.00200 U
9/09	0.0020 U	0.0020 U	0.0392	0.0020 U	--	0.0020 U	25.70	0.0020 U	0.0020 U	0.0056	0.5250	0.00200 U
8/10	0.0010 U	0.0007 J	0.0410	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0007 J	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0482	0.0050 U	--	0.0050 U	31.60	0.0050 U	0.0050 U	0.0068	0.7050	0.00500 U
4/11	0.0050 U	0.0050 U	0.0460	0.0050 U	--	0.0050 U	23.10 J	0.0050 U	0.0050 U	0.0052	0.6610	0.00500 U
9/11	0.0050 U	0.0050 U	0.0357	0.0050 U	--	0.0050 U	33.40	0.0050 U	0.0050 U	0.0062	0.7500	0.00528
3/12	0.0050 U	0.0050 U	0.0397	0.0050 U	--	0.0050 U	23.30	0.0050 U	0.0050 U	0.0091	0.4740	0.00500 U
9/12	0.0050 U	0.0050 U	0.0423	0.0050 U	--	0.0050 U	24.90	0.0050 U	0.0050 U	0.0050 U	0.7040	0.00500 U

**Gude Landfill
Monitoring Location ST120 - Total Metals**

Printed 6/22/21

	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)
3/13	0.0050 U	0.0050 U	0.0559	0.0050 U	--	0.0050 U	29.60	0.0050 U	0.0050 U	0.0151	0.6390	0.00500 U
9/13	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	27.40	0.0050 U	0.0050 U	0.0050 U	0.5790	0.00500 U
3/14	0.0050 U	0.0050 U	0.0927	0.0050 U	--	0.0050 U	46.10	0.0050 U	0.0050 U	0.0084	0.8760	0.00500 U
9/14	0.0050 U	0.0050 U	0.0514	0.0050 U	--	0.0050 U	27.60	0.0050 U	0.0050 U	0.0050 U	1.0300	0.00500 U
3/15	0.0020 U	0.0020 U	0.0470	0.0020 U	--	0.0040 U	28.00	0.0100 U	0.0100 U	0.0031 J	0.4700	0.00200 U
9/15	0.0010 U	0.0010 U	0.0530	0.0010 U	--	0.0005 U	39.00	0.0050 U	0.0050 U	0.0050 U	0.3200	0.00100 U
3/16	0.0050 U	0.0050 U	0.0667	0.0050 U	--	0.0050 U	--	0.0050 U	0.0050 U	0.0050 U	--	0.00500 U
8/16	0.0020 U	0.0020 U	0.0454	0.0020 U	--	0.0020 U	29.30	0.0020 U	0.0020 U	0.0020 U	0.4470	0.00200 U
3/17	0.0050 U	0.0050 U	0.0629	0.0050 U	--	0.0050 U	41.00	0.0050 U	0.0050 U	0.0050 U	0.7550	0.00500 U
9/17	0.0020 U	0.0020 U	0.0422	0.0020 U	--	0.0020 U	28.40	0.0020 U	0.0020 U	0.0020 U	1.0100	0.00200 U
3/18	0.0020 U	0.0020 U	0.0607	0.0020 U	--	0.0020 U	37.50	0.0020 U	0.0020 U	0.0020 U	0.2710	0.00200 U
9/18	0.0050 U	0.0050 U	0.0214	0.0050 U	--	0.0050 U	15.70	0.0050 U	0.0050 U	0.0050 U	0.3790	0.00500 U
4/19	0.0010 U	0.0010 U	0.0551	0.0010 U	--	0.0010 U	31.40	0.0010 U	0.0010 U	0.0017	0.3450	0.00100 U
8/19	0.0010 U	0.0010 U	0.0523	0.0010 U	--	0.0010 U	29.20	0.0010 U	0.0010 U	0.0010 U	0.3780	0.00100 U
3/20	0.0010 U	0.0010 U	0.0453	0.0010 U	--	0.0010 U	28.40	0.0010 U	0.0010 U	0.0010 U	0.2980	0.00100 U
7/20	0.0010 U	0.0010 U	0.0549	0.0010 U	--	0.0010 U	26.70	0.0010 U	0.0010 U	0.0013	0.3500	0.00100 U
3/21	0.0010 U	0.0010 U	0.0585	0.0010 U	--	0.0010 U	31.00	0.0010 U	0.0010 U	0.0010 B	0.3290	0.00100 U

Gude Landfill
Monitoring Location ST120 - Total Metals

Printed 6/22/21

	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			
4/01	--	0.07530	0.000100 U	0.0040	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U	0.01000 U
9/01	--	0.09680	0.000100 U	0.0100 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
3/02	--	0.16850	0.000100 U	0.0100 U	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00070 U	--
6/03	--	0.15270	0.000200 U	0.0076	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U	--
9/04	--	0.08780	0.000100 U	0.0055	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U	--
4/05	--	0.09370	0.000200 U	0.0072	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U	--
9/05	--	0.25850	0.000600	0.0080	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00400	--
4/06	--	0.20740	0.000100 U	0.0104	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00200 U	--
9/06	--	0.29120	0.000200 U	0.0082	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00330	--
4/07	--	--	0.000200 U	0.0116	--	0.00080 U	0.0005 U	--	0.0007 U	0.0500 U	0.00280	0.02150
10/07	--	--	0.000200 U	0.0077	--	0.00200 U	0.0005 U	--	0.0007 U	0.0020 U	0.00200 U	0.00550
3/08	--	--	0.000200 U	0.0078	--	0.00200 U	0.0008 U	--	0.0006 U	0.0500 U	0.00060 U	0.01000 U
9/08	--	--	0.000200 U	0.0060	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02000 U
3/09	--	--	0.000200 U	0.0113	--	0.00200 U	0.0009 U	--	0.0002 U	0.0011 U	0.00200 U	--
9/09	12.300	0.06340	0.000200 U	0.0066	1.880	0.00200 U	0.0020 U	27.50	0.0020 U	--	0.00020 U	0.01000 U
8/10	--	--	0.000200 U	0.0050	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01100
9/10	16.300	0.08170	0.000200 U	0.0066	3.020	0.00500 U	0.0050 U	34.00	0.0050 U	--	0.00500 U	0.00500 U
4/11	14.200 J	0.12600	0.000200 U	0.0098	2.510	0.00500 U	0.0050 U	53.70	0.0050 U	--	0.00500 U	0.00891
9/11	12.600	0.05100	0.000200 U	--	3.080	0.00500 U	0.0050 U	34.50	0.0050 U	--	0.00500 U	0.00844
3/12	11.500	0.08530	0.000200 U	--	2.250	0.00500 U	0.0050 U	65.10	0.0050 U	--	0.00500 U	0.01060
9/12	14.200	0.11700	0.000200 U	--	2.200	0.00500 U	0.0050 U	15.30	0.0050 U	--	0.00500 U	0.00500 U

Gude Landfill
Monitoring Location ST120 - Total Metals

Printed 6/22/21

	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)
3/13	14.800	0.09070	0.000200 U	--	3.010	0.00500 U	0.0050 U	181.00	0.0050 U	--	0.00500 U	0.00746
9/13	12.900	0.07950	0.000200 U	--	2.670	0.00500 U	0.0050 U	19.80	0.0050 U	--	0.00500 U	0.00635
3/14	22.500	0.12800	0.000200 U	0.0146	6.080	0.00500 U	0.0050 U	561.00	0.0050 U	--	0.00500 U	0.01570
9/14	13.200	0.15500	0.000200 U	0.0055	2.770	0.00500 U	0.0050 U	24.50	0.0050 U	--	0.00500 U	0.00582
3/15	13.000	0.14000	0.000200 U	0.0110 U	2.800	0.03500 U	0.0100 U	210.00	0.0020 U	--	0.01000 U	0.00840 J
9/15	21.000	--	0.000200 U	0.0100 U	3.000	0.00500 U	0.0010 U	34.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	--	0.12600	0.000200 U	0.0108	2.380	0.00500 U	0.0050 U	--	0.0050 U	--	0.00500 U	0.00859
8/16	15.600	0.05910	0.000200 U	0.0031	2.220	0.00200 U	0.0020 U	24.30	0.0010 U	--	0.00200 U	0.00200 U
3/17	21.500	0.09420	0.000200 U	0.0107	2.510	0.00500 U	0.0050 U	52.00	0.0050 U	--	0.00500 U	0.00500 U
9/17	13.900	0.07110	0.000200 U	0.0043	2.390	0.00200 U	0.0020 U	24.50	0.0010 U	--	0.00200 U	0.00358
3/18	17.600	0.13600	0.000200 U	0.0088	2.350	0.00200 U	0.0020 U	197.00	0.0010 U	--	0.00200 U	0.00804
9/18	6.040	0.03290	0.000200 U	0.0050 U	2.640	0.00500 U	0.0050 U	15.30	0.0050 U	--	0.00500 U	0.00500 U
4/19	22.900	0.11600	0.000100 U	0.0092	2.280	0.00100 U	0.0010 U	71.40	0.0010 U	--	0.00100 U	0.00890
8/19	19.500	0.13200	0.000100 U	0.0040	2.910	0.00100 U	0.0010 U	34.40	0.0010 U	--	0.00100 U	0.00400 U
3/20	19.600	0.08720	0.000100 U	0.0061	2.300	0.00100 U	0.0010 U	37.60	0.0010 U	--	0.00100 U	0.00461
7/20	17.400	0.06370	0.000100 U	0.0042	3.120	0.00100 U	0.0010 U	29.40	0.0010 U	--	0.00100 U	0.00400 U
3/21	20.000	0.11900	0.000100 U	0.0080	2.370	0.00100 U	0.0010 U	148.00	0.0010 U	--	0.00100 U	0.00574

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
9/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	--	0.27 U	0.34 U	0.33 U	--
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.33 U	0.44 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	10.00 U	0.18 U	0.17 U	0.20 U	0.23 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.50 U	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	0.33 J
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
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
9/18	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.39	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	0.17 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.00 U
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	5.10	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 ST120 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/01	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	4.80	0.27 U	0.21 U	1.22	0.24 U
3/02	1.00 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.79	0.24 U
6/03	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.39	0.24 U
9/04	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	1.22	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	2.52	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.65	0.32 U
4/07	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
10/07	0.27 U	0.25 U	2.99	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.56	0.32 U
3/08	0.21 U	0.15 U	1.22	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.81	0.28 U
9/08	0.12 U	0.20 U	2.10	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	1.25	0.12 U
3/09	0.12 U	0.20 U	1.15	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.68	0.12 U
9/09	1.00 U	1.00 U	1.54	1.00 U	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	0.62 J	1.00 U
8/10	1.00 U	1.00 U	1.00	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	1.00 U
9/10	2.00 U	0.87 J	1.26 J	2.00 U	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	1.10 J	2.00 U
4/11	1.00 U	4.90	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	0.79	1.00 U	1.00 U	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 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.30	1.00 U	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
9/13	1.00 U	1.00 U	2.26	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.33	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.13	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.09	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
3/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	1.00 U	1.00 U
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	1.00 U	1.00 U
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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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 ST120 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/01	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	0.27 U
6/03	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
9/04	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	1.33	0.36 U	--	1.00 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	1.40	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.93	0.10 U	--	0.50 U	0.11 U
3/09	0.14 U	0.13 U	--	0.51	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	0.88 J	1.00 U	--	1.00 U	1.00 U
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	2.00 U	2.00 U	2.00 U	0.90 J	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.91

Gude Landfill
Monitoring Location ST120 - Volatile Organic Compounds

Printed 6/22/21

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.01	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
7/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	74.5090	0.005 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	47.6235	0.008	--	--	--	--	--	--	--	--	--
3/02	--	--	--	56.3314	0.002	--	--	--	--	--	--	--	--	--
6/03	--	--	--	68.4973	0.005	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/05	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.010 U
4/06	--	--	--	--	0.014	--	--	--	--	--	--	--	--	0.018
9/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.005 U
4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	109.0	0.20 U	6.0 J	85.8000	--	--	170.0	1.8591	--	--	--	--	--	--
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	115.0	0.20 U	10.0	97.6000	--	--	170.0	1.4818 HT	1.57 HT	0.09 HT	--	--	--	--
4/11	105.0	0.48	18.5	79.8000	--	--	128.0	0.8310	0.88	0.05 U	--	--	--	--
9/11	81.0	0.20 U	15.3	50.6000	--	--	110.0	0.7740	0.82	0.05 U	--	--	--	--
3/12	128.0	0.38	17.2	122.0000	--	--	188.0	1.4890	2.00	0.51	--	--	--	--

Gude Landfill
Monitoring Location ST70 - General Parameters

Printed 6/22/21

	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)
9/12	79.0	0.20 U	19.5	49.5000	--	--	124.0	0.8780	0.93	0.05 U	--	--	--	--
3/13	108.0	0.56	10.0 U	145.0000	--	13.13	180.0	2.0710	2.35	0.28	--	6.52	--	--
9/13	92.0	0.20 U	22.4	62.6000	--	8.17	140.0	0.5230	0.69	0.17	325.0	7.45	--	--
3/14	105.0	0.61	15.3	674.0000	--	15.33	192.0	1.4810	--	--	601.0	7.41	--	--
9/14	82.0	0.20 U	14.5	76.0000	--	6.74	148.0	0.8690	0.98	0.11	--	9.41	--	--
3/15	121.0	0.39	10.0 U	229.0000	--	16.22	200.0	1.3500	1.36	0.05 U	333.0	7.72	--	--
9/15	120.0	0.20 U	10.0 U	148.0000	--	8.15	224.0	1.1700	1.18	0.05 U	227.0	7.46	--	--
3/16	106.0	0.20 U	17.4	170.0000	--	12.63	184.0	1.3600	1.41	0.05 U	--	7.24	--	--
8/16	107.0	0.20 U	12.1	128.0000	--	8.53	192.0	1.1700	1.18	0.05 U	225.0	7.26	--	--
3/17	80.0	0.20 U	10.0 U	106.0000	--	--	168.0	0.6660	0.68	0.05 U	335.0	7.39	--	--
9/17	95.0	0.71	10.0 U	89.6000	--	8.74	166.0	1.1700	1.22	0.05 U	313.0	7.35	--	--
4/18	103.0	0.20 U	16.5	320.0000	--	12.24	380.0	0.8220	0.87	0.05 U	158.0	7.12	--	--
9/18	123.0	0.28	33.5	61.9000	--	7.58	155.0	0.8580	0.93	0.07	112.0	7.33	--	--
4/19	106.0	0.43	20.2	157.0000	--	12.99	188.0 B	1.6000	--	--	105.4	7.90	7.95	--
7/19	112.0	0.11	10.7	138.0000	--	7.70	212.0 B	1.5000	--	--	200.0	6.92	7.57	--
3/20	108.0	0.32	18.8	124.0000	--	10.72	221.0	1.6500	--	--	123.2	8.10	7.72	--
8/20	100.0	0.10 J	26.1	106.0000	--	254.00	194.0	0.9700	--	--	143.2	6.98	7.41	--
3/21	120.0	0.13	20.0	241.0000	--	11.67	126.0	0.8450	--	--	91.4	7.49	7.79	--

Gude Landfill
Monitoring Location ST70 - General Parameters

Printed 6/22/21

	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										
4/01	--	--	--	--	--	--	--	--	7.800	--
9/01	--	--	--	--	--	--	--	--	1.900	--
3/02	--	--	--	--	--	--	--	--	46.300	--
6/03	--	--	--	--	--	--	0	--	16.500	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0	--	--	--
3/08	--	--	--	--	--	--	0	--	--	--
9/09	--	--	20.80	--	--	352.0	--	--	1.960	--
8/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	25.20	--	--	524.0	--	--	0.753	--
4/11	--	--	12.80 J	--	--	312.0	--	--	10.700	--
9/11	--	--	11.60	--	--	256.0	--	--	--	--
3/12	--	--	41.40	--	--	448.0	--	--	--	--

Gude Landfill
Monitoring Location ST70 - General Parameters

Printed 6/22/21

	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)
9/12	--	--	27.40	--	--	256.0	--	--	--	--
3/13	739.0	--	29.70	--	6.0	380.0	--	--	--	155.00
9/13	424.7	--	28.70	--	16.2	308.0	--	--	--	0.60
3/14	2485.0	--	24.10	--	3.4	1286.0	--	--	--	3.00
9/14	447.1	--	28.10	--	20.8	276.0	--	--	--	--
3/15	862.9	--	20.40	--	9.4	574.0	--	--	--	1.80
9/15	692.1	--	22.70	--	24.4	397.0	--	--	--	0.00
3/16	686.3	--	18.60	--	12.8	407.0	--	--	--	0.20
8/16	609.5	--	15.00	--	23.5	452.0	--	--	--	0.00
3/17	310.4	--	12.00	--	9.6	253.0	--	--	--	10.70
9/17	449.9	--	11.40	--	17.5	344.0	--	--	--	3.50
4/18	1090.0	--	16.70	--	9.3	690.0	--	--	--	0.00
9/18	451.8	--	15.90	--	20.0	277.0	--	--	--	3.00
4/19	901.0	754.0	25.80	--	18.1	458.0	--	3.7	4.650	3.30
7/19	737.0	725.0	30.60	--	22.1	463.0	--	3.1	4.580	0.00
3/20	608.0	728.0	53.20	--	10.8	425.0	--	11.7	9.830	58.60
8/20	663.0	657.0	43.80	--	23.5	407.0	--	71.4	1.910	36.30
3/21	887.0	1000.0	16.90	--	15.0	518.0	--	4.7	5.240	6.90

Gude Landfill
Monitoring Location ST70 - Dissolved Metals

Printed 6/22/21

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/11	--	0.01
3/12	--	0.01
9/12	--	0.01
3/13	--	0.01
9/13	--	0.01
9/15	0.150	--

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.0377	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.00130 U
9/01	0.0020 U	0.0007 U	0.0564	0.0017 U	--	0.0006 U	--	0.0095	0.0020 U	0.0097	--	0.00200 U
3/02	0.0020 U	0.0020 U	0.0344	0.0017 U	--	0.0006 U	--	0.0093	0.0020 U	0.0179	--	0.00460
6/03	0.0007 U	0.0020 U	0.0510	0.0004 U	--	0.0004 U	--	0.0031	0.0020 U	0.0195	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0506	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0107	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0475	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0162	--	0.00200 U
9/05	0.0028 U	0.0006 U	0.0885	0.0012 U	--	0.0003 U	--	0.0167	0.0020 U	0.0166	--	0.00200 U
4/06	0.0006 U	0.0006 U	0.0681	0.0007 U	--	0.0004 U	--	0.0202	0.0020 U	0.0109	--	0.00230
9/06	0.0007 U	0.0008 U	0.0660	0.0009 U	--	0.0006 U	--	0.0130	0.0020 U	0.0079	--	0.00200 U
4/07	0.0007 U	0.0008 U	0.0509	0.0009 U	0.062	--	--	0.0034	0.0020 U	0.0072	--	0.00070 U
10/07	0.0007 U	0.0008 U	0.0699	0.0009 U	0.084	--	--	0.0194	0.0020 U	0.0109	--	0.00390
3/08	0.0020 U	0.0006 U	0.0508	0.0010 U	0.071	--	--	0.0033	0.0020 U	0.0070	--	0.00200 U
3/09	0.0020 U	0.0020 U	0.1404	0.0002 U	0.044	--	--	0.0422	0.0020 U	0.0127	--	0.00270
9/09	0.0020 U	0.0020 U	0.0624	0.0020 U	--	0.0020 U	38.20	0.0020 U	0.0005 J	0.0067	0.4210	0.00200 U
8/10	0.0010 U	0.0007 J	0.0590	0.0010 U	--	0.0010 U	--	0.0010 U	0.0005 J	0.0020	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0632	0.0050 U	--	0.0050 U	42.80	0.0050 U	0.0050 U	0.0076	0.3570 J	0.00500 U
4/11	0.0050 U	0.0050 U	0.0498	0.0050 U	--	0.0050 U	32.50 J	0.0050 U	0.0050 U	0.0066	1.0400	0.00500 U
9/11	0.0050 U	0.0050 U	0.0488	0.0050 U	--	0.0050 U	27.40	0.0050 U	0.0050 U	0.0071	0.5550	0.00500 U
3/12	0.0050 U	0.0050 U	0.0706	0.0050 U	--	0.0050 U	56.80	0.0234	0.0050 U	0.0100	1.3600	0.00500 U
9/12	0.0050 U	0.0050 U	0.0544	0.0050 U	--	0.0050 U	31.70	0.0050 U	0.0050 U	0.0066	0.4660	0.00500 U
3/13	0.0050 U	0.0050 U	0.0732	0.0050 U	--	0.0050 U	49.30	0.0253	0.0050 U	0.0070	0.7700	0.00500 U

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 6/22/21

	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	0.0050 U	0.0050 U	0.0606	0.0050 U	--	0.0050 U	39.80	0.0229	0.0050 U	0.0092	0.4860	0.00500 U
3/14	0.0050 U	0.0050 U	0.0934	0.0050 U	--	0.0050 U	44.10	0.0050 U	0.0050 U	0.0073	0.7060	0.00500 U
9/14	0.0050 U	0.0050 U	0.0820	0.0050 U	--	0.0050 U	37.70	0.0113	0.0050 U	0.0057	0.4980	0.00500 U
3/15	0.0020 U	0.0020 U	0.0610	0.0020 U	--	0.0040 U	46.00	0.0100 U	0.0100 U	0.0033 J	0.3900	0.00200 U
9/15	0.0010 U	0.0011	0.0640	0.0010 U	--	0.0005 U	54.00	0.0050 U	0.0050 U	0.0050 U	0.0930	0.00100 U
3/16	0.0020 U	0.0020 U	0.0681	0.0020 U	--	0.0020 U	43.00	0.0020 U	0.0020 U	0.0035	0.7580	0.00200 U
8/16	0.0020 U	0.0020 U	0.0625	0.0020 U	--	0.0020 U	46.50	0.0020 U	0.0020 U	0.0020 U	0.3290	0.00200 U
3/17	0.0050 U	0.0050 U	0.0601	0.0050 U	--	0.0050 U	34.50	0.0050 U	0.0050 U	0.0116	0.4560	0.00500 U
9/17	0.0050 U	0.0050 U	0.0655	0.0050 U	--	0.0050 U	38.70	0.0050 U	0.0050 U	0.0052	0.4960	0.00500 U
4/18	0.0020 U	0.0020 U	0.0768	0.0020 U	--	0.0020 U	88.40	0.0020 U	0.0020 U	0.0024	0.9360	0.00200 U
9/18	0.0050 U	0.0050 U	0.0496	0.0050 U	--	0.0050 U	35.60	0.0050 U	0.0050 U	0.0127	0.3150	0.00500 U
4/19	0.0010 U	0.0010 U	0.0786	0.0010 U	--	0.0010 U	37.70	0.0093	0.0014	0.0028	0.5720	0.00100 U
7/19	0.0010 U	0.0010 U	0.0837	0.0010 U	--	0.0010 U	49.90 B	0.0044	0.0010 U	0.0015	0.2410	0.00100 U
3/20	0.0010 U	0.0010 U	0.0880	0.0010 U	--	0.0010 U	52.30	0.0436	0.0016	0.0014	0.5300	0.00100 U
8/20	0.0010 U	0.0010 U	0.0760	0.0010 U	--	0.0010 U	46.60	0.0243	0.0010 U	0.0028	0.4390	0.00100 U
3/21	0.0010 U	0.0010 U	0.0513	0.0010 U	--	0.0010 U	29.20	0.0083	0.0010 J	0.0066	0.5830	0.00121

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 6/22/21

	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)
MCL/ GWPS			0.002			0.05			0.002		
4/01	--	0.16300	0.000100 U	0.0064	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00060 U
9/01	--	0.10950	0.000100 U	0.0100 U	--	0.00200 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U
3/02	--	0.11540	0.000100 U	0.0134	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00330
6/03	--	0.24070	0.000200 U	0.0070	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U
9/04	--	0.15550	0.000100 U	0.0046	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U
4/05	--	0.23560	0.000100 U	0.0075	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
9/05	--	0.12720	0.000100 U	0.0059	--	0.00200 U	0.0018 U	--	0.0006 U	0.0050 U	0.00200 U
4/06	--	0.27240	0.000100 U	0.0086	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00200 U
9/06	--	0.10560	0.000200 U	0.0044	--	0.00200 U	0.0005 U	--	0.0007 U	0.0050 U	0.00070 U
4/07	--	--	0.000200 U	0.0074	--	0.00200 U	0.0005 U	--	0.0007 U	0.0500 U	0.00200 U
10/07	--	--	0.000200 U	0.0070	--	0.00200 U	0.0005 U	--	0.0007 U	0.0020 U	0.00200 U
3/08	--	--	0.000200 U	0.0085	--	0.00200 U	0.0001 U	--	0.0001 U	0.0500 U	0.00200 U
3/09	--	--	0.000200 U	0.0095	--	0.00200 U	0.0009 U	--	0.0002 U	0.0011 U	0.00200 U
9/09	16.300	0.15400	0.000200 U	0.0086	4.300	0.00200 U	0.0020 U	34.20	0.0020 U	--	0.00200 U
8/10	--	--	0.000200 U	0.0081	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U
9/10	17.800	0.14700	0.000200 U	0.0077	6.840	0.00500 U	0.0050 U	40.10	0.0050 U	--	0.00500 U
4/11	13.600	0.18500	0.000200 U	0.0086	4.150	0.00500 U	0.0050 U	45.60 J	0.0050 U	--	0.00500 U
9/11	8.980	0.09280	0.000200 U	--	4.520	0.00500 U	0.0050 U	20.40	0.0050 U	--	0.00500 U
3/12	16.500	0.43600	0.000200 U	--	13.100	0.00500 U	0.0050 U	77.10	0.0050 U	--	0.00500 U
9/12	11.700	0.07640	0.000200 U	--	5.330	0.00500 U	0.0050 U	22.10	0.0050 U	--	0.00500 U
3/13	18.900	0.27600	0.000200 U	--	14.300	0.00500 U	0.0050 U	70.30	0.0050 U	--	0.00500 U

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 6/22/21

	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)
9/13	11.800	0.09730	0.000200 U	--	13.500	0.00500 U	0.0050 U	25.90	0.0050 U	--	0.00500 U
3/14	19.000	0.34400	0.000200 U	0.0103	14.300	0.00500 U	0.0050 U	384.00	0.0050 U	--	0.00500 U
9/14	10.900	0.07950	0.000200 U	0.0050 U	12.300	0.00500 U	0.0050 U	30.70	0.0050 U	--	0.00500 U
3/15	21.000	0.32000	0.000200 U	0.0110	5.500	0.03500 U	0.0100 U	130.00	0.0020 U	--	0.01000 U
9/15	24.000	--	0.000200 U	0.0100 U	5.200	0.00500 U	0.0010 U	50.00	0.0010 U	--	0.00500 U
3/16	19.300	0.27200	0.000200 U	0.0079	3.830	0.00200 U	0.0020 U	71.60	0.0010 U	--	0.00200 U
8/16	20.800	0.07940	0.000200 U	0.0038	4.250	0.00200 U	0.0020 U	39.10	0.0010 U	--	0.00200 U
3/17	14.600	0.19100	0.000200 U	0.0080	2.880	0.00500 U	0.0050 U	49.10	0.0050 U	--	0.00500 U
9/17	17.300	0.15000	0.000200 U	0.0051	3.440	0.00500 U	0.0050 U	31.80	0.0050 U	--	0.00500 U
4/18	38.600	0.32900	0.000200 U	0.0094	7.490	0.00200 U	0.0020 U	312.00	0.0010 U	--	0.00200 U
9/18	16.000	0.08050	0.000200 U	0.0079	4.800	0.00500 U	0.0050 U	26.00	0.0050 U	--	0.00500 U
4/19	22.900	0.26100	0.000100 U	0.0069	6.010	0.00100 U	0.0010 U	64.80	0.0010 U	--	0.00100 U
7/19	21.200	0.14700	0.000100 U	0.0043	8.200	0.00100 U	0.0010 U	49.20 B	0.0010 U	--	0.00100 U
3/20	22.100	0.33600	0.000100 U	0.0065	14.900	0.00100 U	0.0010 U	48.30	0.0010 U	--	0.00100 U
8/20	19.000	0.19200	0.000100 U	0.0049	11.800	0.00100 U	0.0010 U	40.00	0.0010 U	--	0.00118
3/21	13.000	0.18300	0.000100 U	0.0028	4.700	0.00100 U	0.0010 U	124.00	0.0010 U	--	0.00100 U

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 6/22/21

	Zinc, total (mg/L)
	MCL/ GWPS
4/01	0.01570
9/01	--
3/02	--
6/03	--
9/04	--
4/05	--
9/05	--
4/06	--
9/06	--
4/07	0.01670
10/07	0.01870
3/08	0.01600
3/09	0.03420
9/09	0.01000 U
8/10	0.01600
9/10	0.00661
4/11	0.01450
9/11	0.01210
3/12	0.01430
9/12	0.01110
3/13	0.01360

Gude Landfill
Monitoring Location ST70 - Total Metals

Printed 6/22/21

Zinc, total (mg/L)

9/13	0.02150
3/14	0.02570
9/14	0.01010
3/15	0.01400
9/15	0.00540
3/16	0.01070
8/16	0.00362
3/17	0.01400
9/17	0.02420
4/18	0.01150
9/18	0.02820
4/19	0.00945
7/19	0.01190
3/20	0.01010
8/20	0.01140
3/21	0.01720

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5			75
9/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	1.00 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	0.43 U	0.27 U	0.34 U	0.33 U	0.44 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	0.34 J
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--
9/11	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	1.00 U	1.00 U	1.00 U	1.00 U	--
3/12	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	1.00 U	--
9/12	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	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
8/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/01	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	1.00 U	1.00 U	0.15 U	1.00 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.20 U
6/03	0.11 U	--	0.18 U	--	1.00 U	--	0.21 U	0.20 U	1.00 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	0.29 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	1.00 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	1.00 U	--	0.28 U	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	1.00 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	1.00 U	0.32 J	1.00 U	1.00 U	0.43 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	0.07 J
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	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	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U

Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
8/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	9.70	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	6.60	5.00 U	1.00 U	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 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/01	1.00 U	0.21 U	1.00 U	0.19 U	1.00 U	0.26 U	0.28 U	0.17 U	--	0.22 U	12.18	0.27 U	0.21 U	1.00 U	0.24 U
3/02	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	1.55	1.00 U
6/03	4.24	0.21 U	0.22 U	0.19 U	1.00 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/04	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	1.00 U	0.32 U
10/07	1.00 U	0.25 U	1.00 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
3/08	0.21 U	0.15 U	1.04	0.13 U	0.15 U	0.26 U	0.43 U	--	5.00 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
3/09	0.50 U	0.20 U	1.17	0.12 U	0.13 U	0.12 U	0.23 U	--	7.27	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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
8/10	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.47	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	0.97
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST70 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.61	1.00 U	1.00 U	1.00 U	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
8/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location ST70 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/01	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	0.27 U
6/03	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	0.27 U
9/04	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
3/09	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20
9/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Monitoring Location ST70 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
8/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 ST80 - General Parameters

Printed 6/22/21

	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				
4/01	--	--	--	41.3036	0.005 U	--	--	--	--	--	--	--	--	--
9/01	--	--	--	17.4057	0.007	--	--	--	--	--	--	--	--	--
3/02	--	--	--	59.6393	0.002	--	--	--	--	--	--	--	--	--
6/03	--	--	--	25.1835	0.002 U	--	--	--	--	--	--	--	--	0.010 U
9/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
4/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.040
9/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
9/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.010 U
4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.029
10/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/09	48.0	0.20 U	6.7 J	32.6000	--	--	70.0	0.8957	--	--	--	--	--	--
8/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/10	44.0	0.20 U	17.0	28.6000	--	--	68.0	0.3500	0.37	0.02 J	--	--	--	--
4/11	32.0	0.20 U	14.6	27.1000	--	--	46.0	0.8560	0.91	0.05 U	--	--	--	--
9/11	42.0	0.20 U	12.5	29.4000	--	--	55.0	0.4230	0.47	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST80 - General Parameters

Printed 6/22/21

	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)
3/12	34.0	0.20 U	10.3	45.8000	--	--	58.0	1.6800	1.73	0.05 U	--	--	--	--
9/12	54.0	0.20 U	10.8	38.1000	--	--	86.0	0.6790	0.73	0.05 U	--	--	--	--
3/13	34.0	0.20 U	10.0 U	107.0000	--	12.81	66.0	1.5200	1.57	0.05 U	--	7.11	--	--
9/13	569.0	0.20 U	14.4	43.0000	--	8.37	76.0	0.3090	0.36	0.05 U	334.0	7.65	--	--
3/14	31.0	0.20 U	10.0 U	207.0000	--	14.43	84.0	1.7900	--	--	446.0	7.64	--	--
9/14	41.0	0.20 U	20.5	40.9000	--	7.08	76.0	0.5340	0.58	0.05 U	--	7.60	--	--
3/15	33.0	0.20 U	12.9	177.0000	--	13.72	82.0	1.2700	1.32	0.05 U	301.0	7.62	--	--
9/15	60.0	0.20 U	10.0 U	70.6000	--	6.66	106.0	0.7960	0.81	0.05 U	--	6.93	--	--
3/16	34.0	0.20 U	10.0 U	111.0000	--	12.81	80.0	1.5600	1.61	0.05 U	--	8.03	--	--
9/16	45.0	0.20 U	11.4	40.9000	--	6.94	92.0	0.5280	0.58	0.05 U	295.0	7.33	--	--
3/17	40.0	0.20 U	10.0 U	77.0000	--	14.55	120.0	1.2700	1.32	0.05 U	228.0	7.13	--	--
9/17	45.0	0.20 U	10.0 U	40.1000	--	7.34	100.0	1.0988	1.16	0.06	321.0	7.43	--	--
4/18	34.5	0.20 U	10.0 U	181.0000	--	11.55	88.6	1.6500	1.66	0.05 U	215.0	7.33	--	--
9/18	33.4	0.31	17.1	24.4000	--	8.28	52.1	0.6450	0.70	0.05 U	44.0	7.29	--	--
4/19	104.0	0.10 U	21.0	152.0000	--	13.79	188.0 B	1.6000	--	--	136.4	9.18	9.02	--
7/19	123.0	0.10 U	15.9	140.0000	--	8.03	210.0 B	1.8000	--	--	200.0	7.76	7.96	--
3/20	112.0	0.11	9.0	135.0000	--	12.19	207.0	1.5000	--	--	146.7	8.15	8.05	--
8/20	48.8	0.23	40.4	49.8000	--	6.62	85.1	0.5700	--	--	34.5	8.21	7.40	--
3/21	120.0	0.14	8.8	172.0000	--	11.40	150.0	1.2400	--	--	153.9	8.10	8.62	--

Gude Landfill
Monitoring Location ST80 - General Parameters

Printed 6/22/21

	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										
4/01	--	--	--	--	--	--	--	--	9.700	--
9/01	--	--	--	--	--	--	--	--	2.500	--
3/02	--	--	--	--	--	--	--	--	28.300	--
6/03	--	--	--	--	--	--	0 U	--	51.000	--
9/04	--	--	--	--	--	--	0 U	--	--	--
4/05	--	--	--	--	--	--	0 U	--	--	--
9/05	--	--	--	--	--	--	0 U	--	--	--
4/06	--	--	--	--	--	--	0	--	--	--
9/06	--	--	--	--	--	--	0	--	--	--
4/07	--	--	--	--	--	--	0 U	--	--	--
10/07	--	--	--	--	--	--	0	--	--	--
3/08	--	--	--	--	--	--	0 U	--	--	--
9/08	--	--	--	--	--	--	0 U	--	--	--
9/09	--	--	8.16	--	--	144.0	--	--	1.850	--
8/10	--	--	--	3.0 U	--	--	--	--	--	--
9/10	--	--	5.53	--	--	168.0	--	--	7.860	--
4/11	--	--	6.57	--	--	144.0	--	--	91.800	--
9/11	--	--	6.04	--	--	160.0	--	--	--	--

Gude Landfill

Printed 6/22/21

Monitoring Location ST80 - 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)
3/12	--	--	5.77	--	--	168.0	--	--	--	--
9/12	--	--	5.55	--	--	160.0	--	--	--	--
3/13	466.6	--	8.53	--	7.4	246.0	--	--	--	1000.00
9/13	231.3	--	6.35	--	18.4	180.0	--	--	--	4.00
3/14	685.1	--	10.00	--	4.5	396.0	--	--	--	8.80
9/14	211.2	--	5.89	--	23.1	168.0	--	--	--	--
3/15	541.2	--	8.62	--	5.5	362.0	--	--	--	24.00
9/15	333.5	--	7.55	--	22.1	172.0	--	--	--	--
3/16	393.0	--	8.65	--	9.2	236.0	--	--	--	2.30
9/16	219.8	--	4.72	--	21.3	154.0	--	--	--	0.60
3/17	571.5	--	8.56	--	8.2	213.0	--	--	--	1.50
9/17	223.1	--	6.30	--	18.7	195.0	--	--	--	0.50
4/18	582.5	--	8.29	--	9.9	397.0	--	--	--	2.40
9/18	153.4	--	4.54	--	20.6	81.0	--	--	--	1.20
4/19	860.0	723.0	27.50	--	18.7	445.0	--	4.4	4.620	5.90
7/19	751.0	735.0	21.90	--	22.2	465.0	--	2.4 U	0.816	0.00
3/20	571.0	680.0	22.60	--	10.8	378.0	--	2.9	2.640	119.30
8/20	306.7	281.0	4.92	--	25.5	192.0	--	3.6	6.820	11.90
3/21	782.0	808.0	19.10	--	18.9	441.0	--	2.4	2.340	14.19

Gude Landfill
Monitoring Location ST80 - Dissolved Metals

Printed 6/22/21

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
	MCL/ GWPS	
9/11	--	0.01 U
3/12	--	0.01 U
9/12	--	0.01 U
3/13	--	0.01 U
9/13	--	0.01
9/15	0.170	--

Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 6/22/21

	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
4/01	0.0007 U	0.0020 U	0.0247	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0173	--	0.00200 U
9/01	0.0020 U	0.0020 U	0.0250	0.0017 U	--	0.0006 U	--	0.0012 U	0.0020 U	0.0063	--	0.00200 U
3/02	0.0005 U	0.0020 U	0.0854	0.0017 U	--	0.0006 U	--	0.0061	0.0071	0.0126	--	0.00800
6/03	0.0007 U	0.0020 U	0.0282	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0172	--	0.00200 U
9/04	0.0028 U	0.0006 U	0.0252	0.0012 U	--	0.0003 U	--	0.0020 U	0.0005 U	0.0133	--	0.00200 U
4/05	0.0028 U	0.0006 U	0.0298	0.0012 U	--	0.0003 U	--	0.0042	0.0020 U	0.0116	--	0.00200
9/05	0.0028 U	0.0020 U	0.0436	0.0012 U	--	0.0003 U	--	0.0020 U	0.0023	0.0117	--	0.00280
4/06	0.0006 U	0.0006 U	0.0294	0.0007 U	--	0.0004 U	--	0.0020 U	0.0005 U	0.0125	--	0.00230
9/06	0.0007 U	0.0008 U	0.0265	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0051	--	0.00200 U
4/07	0.0007 U	0.0008 U	0.0297	0.0009 U	0.025	--	--	0.0026	0.0020 U	0.0072	--	0.00200 U
10/07	0.0007 U	0.0008 U	0.0490	0.0009 U	0.061	--	--	0.0021	0.0020 U	0.0070	--	0.00200 U
3/08	0.0005 U	0.0006 U	0.0305	0.0010 U	0.020 U	--	--	0.0020 U	0.0020 U	0.0061	--	0.00200 U
9/08	0.0010 U	0.0012 U	0.0405	0.0020 U	0.041	--	--	0.0016 U	0.0024 U	0.0056	--	0.00200 U
3/09	0.0020 U	0.0020 U	0.0513	0.0002 U	0.015	--	--	0.0020 U	0.0020 U	0.0064	--	0.00200 U
9/09	0.0020 U	0.0020 U	0.0365	0.0020 U	--	0.0020 U	16.20	0.0020 U	0.0020 U	0.0056	0.3200	0.00200 U
8/10	0.0010 U	0.0012	0.0400	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0010	--	0.00100 U
9/10	0.0050 U	0.0050 U	0.0311	0.0050 U	--	0.0050 U	12.50	0.0050 U	0.0050 U	0.0066	0.8630	0.00500 U
4/11	0.0050 U	0.0050 U	0.0387	0.0050 U	--	0.0050 U	11.80	0.0050 U	0.0050 U	0.0068	1.4400	0.00500 U
9/11	0.0050 U	0.0050 U	0.0315	0.0050 U	--	0.0050 U	11.90	0.0050 U	0.0050 U	0.0050	0.5200	0.00500 U
3/12	0.0050 U	0.0050 U	0.0346	0.0050 U	--	0.0050 U	14.20	0.0050 U	0.0050 U	0.0058	0.7410	0.00500 U
9/12	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	18.60	0.0050 U	0.0050 U	0.0050 U	1.1700	0.00500 U

Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 6/22/21

	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)
3/13	0.0050 U	0.0050 U	0.0408	0.0050 U	--	0.0050 U	16.50	0.0050 U	0.0050 U	0.0061	0.7590	0.00500 U
9/13	0.0050 U	0.0050 U	0.0391	0.0050 U	--	0.0050 U	17.50	0.0050 U	0.0050 U	0.0084	0.5500	0.00500 U
3/14	0.0050 U	0.0050 U	0.0505	0.0050 U	--	0.0050 U	16.40	0.0050 U	0.0050 U	0.0050 U	0.4640	0.00500 U
9/14	0.0050 U	0.0050 U	0.0370	0.0050 U	--	0.0050 U	15.80	0.0050 U	0.0050 U	0.0050 U	0.8520	0.00500 U
3/15	0.0020 U	0.0020 U	0.0430	0.0020 U	--	0.0040 U	14.00	0.0100 U	0.0100 U	0.0026 J	1.0000	0.00200 U
9/15	0.0010 U	0.0010 U	0.0400	0.0010 U	--	0.0005 U	24.00	0.0050 U	0.0050 U	0.0050 U	0.3900	0.00100 U
3/16	0.0020 U	0.0020 U	0.0407	0.0020 U	--	0.0020 U	16.40	0.0020 U	0.0020 U	0.0020 U	0.3380	0.00200 U
9/16	0.0020 U	0.0020 U	0.0384	0.0020 U	--	0.0020 U	15.90	0.0020 U	0.0020 U	0.0020 U	0.8130	0.00200 U
3/17	0.0050 U	0.0050 U	0.0465	0.0050 U	--	0.0050 U	21.70	0.0050 U	0.0050 U	0.0061	0.5320	0.00500 U
9/17	0.0050 U	0.0050 U	0.0383	0.0050 U	--	0.0050 U	19.60	0.0050 U	0.0050 U	0.0050 U	0.8740	0.00500 U
4/18	0.0050 U	0.0050 U	0.0541	0.0050 U	--	0.0050 U	18.80	0.0050 U	0.0050 U	0.0050 U	0.5780	0.00500 U
9/18	0.0050 U	0.0050 U	0.0349	0.0050 U	--	0.0050 U	11.70	0.0050 U	0.0050 U	0.0050 U	1.2900	0.00500 U
4/19	0.0010 U	0.0010 U	0.0644	0.0010 U	--	0.0010 U	38.60	0.0099	0.0010	0.0030	0.5640	0.00100 U
7/19	0.0010 U	0.0010 U	0.0694	0.0010 U	--	0.0010 U	47.70 B	0.0010 U	0.0010 U	0.0010 U	0.1070	0.00100 U
3/20	0.0010 U	0.0010 U	0.0738	0.0010 U	--	0.0010 U	43.20	0.0033	0.0010	0.0010 U	0.3590	0.00100 U
8/20	0.0010 U	0.0010 U	0.0411	0.0010 U	--	0.0010 U	15.70	0.0010 U	0.0010 U	0.0010 U	1.0900	0.00100 U
3/21	0.0010 U	0.0010 U	0.0520	0.0010 U	--	0.0010 U	34.00	0.0078	0.0010 U	0.0022	0.3530	0.00100 U

Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 6/22/21

	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			
4/01	--	0.12340	0.000200 U	0.0032	--	0.00180 U	0.0052 U	--	0.0009 U	0.2000 U	0.00220	0.01000 U
9/01	--	0.15100	0.000100 U	0.0030 U	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.00200 U	--
3/02	--	0.72040	0.000100 U	0.0109	--	0.00090 U	0.0044 U	--	0.0009 U	0.2000 U	0.01480	--
6/03	--	0.11500	0.000200 U	0.0037	--	0.00120 U	0.0096 U	--	0.0010 U	0.0008 U	0.00200 U	--
9/04	--	0.21070	0.000100 U	0.0022	--	0.00100 U	0.0018 U	--	0.0006 U	0.0003 U	0.00200 U	--
4/05	--	0.14390	0.000100 U	0.0055	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00450	--
9/05	--	0.79160	0.000100 U	0.0053	--	0.00100 U	0.0018 U	--	0.0006 U	0.0050 U	0.00300	--
4/06	--	0.07390	0.000100 U	0.0028	--	0.00150 U	0.0004 U	--	0.0004 U	0.0050 U	0.00040 U	--
9/06	--	0.13200	0.000200 U	0.0020 U	--	0.00080 U	0.0005 U	--	0.0007 U	0.0050 U	0.00200 U	--
4/07	--	--	0.000200 U	0.0056	--	0.00080 U	0.0005 U	--	0.0007 U	0.0500 U	0.00280	0.00910
10/07	--	--	0.000200 U	0.0043	--	0.00080 U	0.0005 U	--	0.0007 U	0.0020 U	0.00200 U	0.00850
3/08	--	--	0.000200 U	0.0036	--	0.00200 U	0.0001 U	--	0.0001 U	0.0500 U	0.00200 U	0.00660
9/08	--	--	0.000200 U	0.0040 U	--	0.00180 U	0.0016 U	--	0.0012 U	0.0011 U	0.00120 U	0.02000 U
3/09	--	--	0.000200 U	0.0035	--	0.00200 U	0.0009 U	--	0.0002 U	0.0011 U	0.00200 U	0.00780
9/09	7.410	0.12600	0.000200 U	0.0042	3.080	0.00200 U	0.0020 U	17.40	0.0020 U	--	0.00200 U	0.01000 U
8/10	--	--	0.000200 U	0.0025	--	0.00100 U	0.0010 U	--	0.0010 U	0.0050 U	0.00500 U	0.01200
9/10	6.230	0.15500	0.000200 U	0.0050 U	2.680	0.00500 U	0.0050 U	14.00	0.0050 U	--	0.00500 U	0.00500 U
4/11	5.730	0.14900	0.000200 U	0.0055	2.160	0.00500 U	0.0050 U	14.60	0.0050 U	--	0.00500 U	0.00952
9/11	5.470	0.05650	0.000200 U	--	3.820	0.00500 U	0.0050 U	12.10	0.0050 U	--	0.00500 U	0.00561
3/12	7.920	0.07860	0.000200 U	--	2.570	0.00500 U	0.0050 U	28.20	0.0050 U	--	0.00500 U	0.00612
9/12	11.200	0.18400	0.000200 U	--	3.800	0.00500 U	0.0050 U	16.40	0.0050 U	--	0.00500 U	0.00500 U

Gude Landfill
Monitoring Location ST80 - Total Metals

Printed 6/22/21

	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)
3/13	8.710	0.11500	0.000200 U	--	2.690	0.00500 U	0.0050 U	64.60	0.0050 U	--	0.00500 U	0.00635
9/13	10.500	0.09770	0.000200 U	--	3.860	0.00500 U	0.0050 U	17.20	0.0050 U	--	0.00500 U	0.01280
3/14	9.320	0.10700	0.000200 U	0.0051	2.530	0.00500 U	0.0050 U	110.00	0.0050 U	--	0.00500 U	0.00834
9/14	7.830	0.14900	0.000200 U	0.0050 U	2.600	0.00500 U	0.0050 U	14.90	0.0050 U	--	0.00500 U	0.00786
3/15	7.300	0.13000	0.000200 U	0.0058 J	3.000	0.03500 U	0.0100 U	92.00	0.0020 U	--	0.01000 U	0.00730 J
9/15	13.000	--	0.000200 U	0.0100 U	3.200	0.00500 U	0.0010 U	24.00	0.0010 U	--	0.00500 U	0.00500 U
3/16	9.040	0.09590	0.000200 U	0.0025	2.040	0.00200 U	0.0020 U	49.10	0.0010 U	--	0.00200 U	0.00200 U
9/16	8.130	0.29900	0.000200 U	0.0033	3.150	0.00200 U	0.0020 U	14.20	0.0010 U	--	0.00200 U	0.00217
3/17	11.800	0.11300	0.000200 U	0.0050 U	2.400	0.00500 U	0.0050 U	29.60	0.0050 U	--	0.00500 U	0.00500 U
9/17	9.240	0.13900	0.000200 U	0.0050 U	2.730	0.00500 U	0.0050 U	14.90	0.0050 U	--	0.00500 U	0.01670
4/18	10.100	0.08830	0.000200 U	0.0050 U	2.220	0.00500 U	0.0050 U	84.00	0.0050 U	--	0.00500 U	0.02230
9/18	5.540	0.22000	0.000200 U	0.0050 U	3.320	0.00500 U	0.0050 U	10.60	0.0050 U	--	0.00500 U	0.00500 U
4/19	22.200	0.19400	0.000100 U	0.0046	6.730	0.00100 U	0.0010 U	63.70	0.0010 U	--	0.00100 U	0.00476
7/19	22.100	0.04240	0.000100 U	0.0024	6.980	0.00100 U	0.0010 U	48.70 B	0.0010 U	--	0.00100 U	0.00400 U
3/20	24.100	0.24900	0.000100 U	0.0048	6.080	0.00100 U	0.0010 U	50.60	0.0010 U	--	0.00100 U	0.00408
8/20	11.100	0.47300	0.000100 U	0.0029	3.030	0.00100 U	0.0010 U	18.00	0.0010 U	--	0.00100 U	0.00423
3/21	15.700	0.11600	0.000100 U	0.0010 U	5.950	0.00100 U	0.0010 U	79.10	0.0010 U	--	0.00100 U	0.00617

Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
MCL/ GWPS	200		5		7			0.2	0.05	600	5	5		75	
9/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
3/02	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.21 U	0.14 U	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
6/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	1.12	0.20 U	10.00 U	0.17 U	0.21 U	0.19 U	10.00 U
9/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
9/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
10/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.40 U	0.33 U	0.28 U	10.00 U	0.27 U	0.34 U	0.33 U	10.00 U
3/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.14 U	0.24 U	0.16 U	0.25 U	0.18 U	0.17 U	0.20 U	10.00 U
9/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	0.10 U	0.13 U	0.15 U	0.13 U	10.00 U
3/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.17 U	0.20 U	0.08 U	10.00 U	0.13 U	0.15 U	0.13 U	10.00 U
9/09	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	1.00 U	1.00 U	0.17 J
8/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	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	2.00 U	2.00 U	2.00 U
4/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11	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	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12	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	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 6/22/21

	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-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)	1,4-Dichlorobenzene (ug/L)
9/12	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	1.00 U	1.00 U	1.00 U
3/13	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
9/13	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
3/14	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
9/14	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
3/15	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
9/15	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
3/16	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
9/16	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
3/17	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
9/17	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
4/18	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
9/18	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	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	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
MCL/ GWPS							5	80	80				5	100	
9/01	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.20 U
3/02	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.09	0.20 U
6/03	0.11 U	--	0.18 U	--	0.15 U	--	0.21 U	0.20 U	0.18 U	0.14 U	0.15 U	2.35	0.15 U	0.28 U	0.20 U
9/04	0.23 U	0.29 U	1.01	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/05	0.23 U	1.00 U	1.00 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
4/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
9/06	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.31 U
4/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
10/07	0.23 U	0.29 U	0.19 U	--	0.39 U	--	0.28 U	0.34 U	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.31 U
3/08	0.19 U	--	--	--	--	--	0.24 U	0.12 U	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.10 U
9/08	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.50 U	--	0.14 U	0.16 U	0.13 U
3/09	0.22 U	--	--	--	--	--	0.09 U	0.14 U	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.13 U
9/09	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	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.00 U
8/10	1.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	1.49 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.00 U
4/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 ST80 - Volatile Organic Compounds

Printed 6/22/21

	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)
9/12	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/13	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
9/14	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/15	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/16	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
3/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/17	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
9/18	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 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	1.00 U
4/19	1.00 U	5.00 U	5.00 U	5.00 U	10.40	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/19	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/20	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	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 ST80 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
MCL/ GWPS	80		70		80	700	10000				5	10000	100	5	1000
9/01	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	5.23	0.27 U	0.21 U	1.00 U	0.24 U
3/02	0.23 U	0.21 U	1.00 U	0.19 U	0.17 U	0.26 U	0.28 U	0.17 U	--	0.22 U	1.00 U	0.27 U	0.21 U	3.86	0.24 U
6/03	0.23 U	0.21 U	0.22 U	0.19 U	0.17 U	0.26 U	1.00 U	0.17 U	--	0.22 U	0.21 U	0.27 U	0.21 U	0.17 U	0.24 U
9/04	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/05	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	2.00 U	0.28 U	--	0.25 U	0.34 U	1.00 U	0.25 U	1.00 U	0.32 U
4/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
9/06	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	1.00 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
4/07	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
10/07	0.27 U	0.25 U	0.28 U	0.29 U	0.27 U	0.23 U	0.40 U	0.28 U	--	0.25 U	0.34 U	0.18 U	0.25 U	0.36 U	0.32 U
3/08	0.21 U	0.15 U	0.25 U	0.13 U	0.15 U	0.26 U	0.43 U	--	1.73 U	0.15 U	0.12 U	0.22 U	0.20 U	0.20 U	0.28 U
9/08	0.12 U	0.20 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
3/09	0.12 U	0.20 U	0.14 U	0.12 U	0.13 U	0.12 U	0.23 U	--	1.25 U	0.20 U	0.17 U	0.11 U	0.11 U	0.16 U	0.12 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	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
8/10	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	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	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
4/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U
3/12	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	0.72

Gude Landfill
Monitoring Location ST80 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)
9/12	1.00 U	1.00 U	1.00 U	1.00 U	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
3/13	1.00 U	1.00 U	1.00 U	1.00 U	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
9/13	1.00 U	1.00 U	1.00 U	1.00 U	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
3/14	1.00 U	1.00 U	1.00 U	1.00 U	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
9/14	1.00 U	1.00 U	1.00 U	1.00 U	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
3/15	1.00 U	1.00 U	1.00 U	1.00 U	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
9/15	1.00 U	1.00 U	1.00 U	1.00 U	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
3/16	1.00 U	1.00 U	1.00 U	1.00 U	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
9/16	1.00 U	1.00 U	1.00 U	1.00 U	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
3/17	1.00 U	1.00 U	1.00 U	1.00 U	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
9/17	1.00 U	1.00 U	1.00 U	1.00 U	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
4/18	1.00 U	1.00 U	1.00 U	1.00 U	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
9/18	1.00 U	1.00 U	1.00 U	1.00 U	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
4/19	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	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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	1.00 U	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	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	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

Printed 6/22/21

Monitoring Location ST80 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	100			5			2	10000
9/01	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	0.27 U
3/02	0.22 U	0.13 U	0.14 U	1.61	1.00 U	--	--	0.27 U
6/03	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	0.27 U
9/04	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/05	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	1.00 U
4/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
9/06	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
4/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
10/07	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	0.18 U
3/08	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	0.22 U
9/08	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	0.11 U
3/09	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	0.11 U
9/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
8/10	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60

Gude Landfill

Printed 6/22/21

Monitoring Location ST80 - Volatile Organic Compounds

	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (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	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/13	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/14	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/15	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/16	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
3/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
9/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
4/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
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
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
8/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21	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 SW-1 - General Parameters

Printed 6/22/21

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-1 - Total Metals

Printed 6/22/21

	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
8/10	0.0010 U	0.0007 J	0.0390	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.00100 U	0.000200 U	0.0047	0.00100 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			
8/10	0.0010 U	0.0010 U	0.0050 U	0.00500 U	0.01100

Gude Landfill
Monitoring Location SW-1 - Volatile Organic Compounds

Printed 6/22/21

Compound	MCL/ GWPS	8/10
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-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	1.00 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
1,4-Dichlorobenzene (ug/L)	75	1.00 U

Gude Landfill
Monitoring Location SW-1 - Volatile Organic Compounds

Printed 6/22/21

Compound (ug/L)	MCL/GWPS
2,2-Dichloropropane (ug/L)	1.00 U
2-Butanone (ug/L)	10.00 U
2-Hexanone (ug/L)	5.00 U
4-Methyl-2-Pentanone (ug/L)	5.00 U
Acetone (ug/L)	5.00 U
Acrylonitrile (ug/L)	10.00 U
Benzene (ug/L)	5
Bromochloromethane (ug/L)	1.00 U
Bromodichloromethane (ug/L)	80
Bromoform (ug/L)	80
Bromomethane (ug/L)	1.00 U
Carbon Disulfide (ug/L)	1.00 U
Carbon Tetrachloride (ug/L)	5
Chlorobenzene (ug/L)	100
Chloroethane (ug/L)	1.00 U

Gude Landfill
Monitoring Location SW-1 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	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)
MCL/ GWPS	80		70		80	700	10000			5	10000	100	5	1000	100
8/10	1.00 U	1.00 U	1.00	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	1.00 U	1.00 U

Gude Landfill Monitoring Location SW-1 - Volatile Organic Compounds

	trans-1,3-Dichloropropene (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			2	10000
8/10	1.00 U	5.00 U	0.50 J	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-2 - General Parameters

Printed 6/22/21

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-2 - Total Metals

Printed 6/22/21

	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
8/10	0.0010 U	0.0008 J	0.0410	0.0010 U	0.0010 U	0.0010 U	0.0005 J	0.0008 J	0.00100 U	0.000200 U	0.0052	0.00100 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			
8/10	0.0010 U	0.0010 U	0.0050 U	0.00500 U	0.01200

Gude Landfill
Monitoring Location SW-2 - Volatile Organic Compounds

Printed 6/22/21

Compound	MCL/ GWPS	8/10
1,1,1,2-Tetrachloroethane (ug/L)	200	1.00 U
1,1,1-Trichloroethane (ug/L)		1.00 U
1,1,2,2-Tetrachloroethane (ug/L)	5	1.00 U
1,1,2-Trichloroethane (ug/L)		1.00 U
1,1-Dichloroethane (ug/L)	7	1.00 U
1,1-Dichloropropene (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	1.00 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
1,4-Dichlorobenzene (ug/L)	75	1.00 U

Gude Landfill
Monitoring Location SW-2 - Volatile Organic Compounds

Printed 6/22/21

Compound (ug/L)	MCL/GWPS
2,2-Dichloropropane (ug/L)	1.00 U
2-Butanone (ug/L)	10.00 U
2-Hexanone (ug/L)	5.00 U
4-Methyl-2-Pentanone (ug/L)	5.00 U
Acetone (ug/L)	5.00 U
Acrylonitrile (ug/L)	10.00 U
Benzene (ug/L)	5
Bromochloromethane (ug/L)	1.00 U
Bromodichloromethane (ug/L)	80
Bromoform (ug/L)	80
Bromomethane (ug/L)	1.00 U
Carbon Disulfide (ug/L)	1.00 U
Carbon Tetrachloride (ug/L)	5
Chlorobenzene (ug/L)	100
Chloroethane (ug/L)	1.00 U

Gude Landfill
Monitoring Location SW-2 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	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)
MCL/ GWPS	80		70		80	700	10000			5	10000	100	5	1000	100
8/10	1.00 U	1.00 U	1.00	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	1.00 U	1.00 U

Gude Landfill Monitoring Location SW-2 - Volatile Organic Compounds

	trans-1,3-Dichloropropene (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			2	10000
8/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-3 - General Parameters

Printed 6/22/21

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-3 - Total Metals

Printed 6/22/21

	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
8/10	0.0010 U	0.0015	0.2300	0.0010 U	0.0010 U	0.0026	0.0390	0.0090	0.00130	0.000200 U	0.0560	0.00100 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			
8/10	0.0010 U	0.0010 U	0.0050 U	0.00260 J	0.01500

Gude Landfill
Monitoring Location SW-3 - Volatile Organic Compounds

Printed 6/22/21

Compound	MCL/ GWPS	8/10
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-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	1.00 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
1,4-Dichlorobenzene (ug/L)	75	1.00 U

Gude Landfill
Monitoring Location SW-3 - Volatile Organic Compounds

Printed 6/22/21

Compound (ug/L)	MCL/GWPS
2,2-Dichloropropane (ug/L)	1.00 U
2-Butanone (ug/L)	10.00 U
2-Hexanone (ug/L)	5.00 U
4-Methyl-2-Pentanone (ug/L)	5.00 U
Acetone (ug/L)	5.00 U
Acrylonitrile (ug/L)	10.00 U
Benzene (ug/L)	1.00 U
Bromochloromethane (ug/L)	1.00 U
Bromodichloromethane (ug/L)	1.00 U
Bromoform (ug/L)	5.00 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)	1.00 U

Gude Landfill
Monitoring Location SW-3 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	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)
MCL/ GWPS	80		70		80	700	10000			5	10000	100	5	1000	100
8/10	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	1.00 U	1.00 U

Gude Landfill Monitoring Location SW-3 - Volatile Organic Compounds

	trans-1,3-Dichloropropene (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			2	10000
8/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-4 - General Parameters

Printed 6/22/21

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-4 - Total Metals

Printed 6/22/21

	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
8/10	0.0010 U	0.0007 J	0.0560	0.0010 U	0.0010 U	0.0010 U	0.0008 J	0.0015	0.00100 U	0.000200 U	0.0066	0.00100 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			
8/10	0.0010 U	0.0010 U	0.0050 U	0.00500 U	0.01400

Gude Landfill
Monitoring Location SW-4 - Volatile Organic Compounds

Printed 6/22/21

Compound	MCL/ GWPS	8/10
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-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	1.00 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
1,4-Dichlorobenzene (ug/L)	75	1.00 U

Gude Landfill
Monitoring Location SW-4 - Volatile Organic Compounds

Printed 6/22/21

Compound (ug/L)	MCL/ GWPS
2,2-Dichloropropane (ug/L)	1.00 U
2-Butanone (ug/L)	10.00 U
2-Hexanone (ug/L)	5.00 U
4-Methyl-2-Pentanone (ug/L)	5.00 U
Acetone (ug/L)	5.00 U
Acrylonitrile (ug/L)	10.00 U
Benzene (ug/L)	5
Bromochloromethane (ug/L)	1.00 U
Bromodichloromethane (ug/L)	80
Bromoform (ug/L)	80
Bromomethane (ug/L)	1.00 U
Carbon Disulfide (ug/L)	1.00 U
Carbon Tetrachloride (ug/L)	5
Chlorobenzene (ug/L)	100
Chloroethane (ug/L)	1.00 U

Gude Landfill
Monitoring Location SW-4 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	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)
MCL/ GWPS	80		70		80	700	10000			5	10000	100	5	1000	100
8/10	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	1.00 U	1.00 U

Gude Landfill Monitoring Location SW-4 - Volatile Organic Compounds

	trans-1,3-Dichloropropene (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			2	10000
8/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill
Monitoring Location SW-5 - General Parameters

Printed 6/22/21

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/10	0.050 U	3.0 U

Gude Landfill
Monitoring Location SW-5 - Total Metals

Printed 6/22/21

	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
8/10	0.0010 U	0.0006 J	0.0370	0.0010 U	0.0010 U	0.0006 J	0.0010 U	0.0014	0.00100 U	0.000200 U	0.0026	0.00100 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			
8/10	0.0010 U	0.0010 U	0.0050 U	0.00500 U	0.01300

Gude Landfill
Monitoring Location SW-5 - Volatile Organic Compounds

Printed 6/22/21

Compound	MCL/ GWPS	8/10
1,1,1,2-Tetrachloroethane (ug/L)	200	1.00 U
1,1,1-Trichloroethane (ug/L)		1.00 U
1,1,2,2-Tetrachloroethane (ug/L)	5	1.00 U
1,1,2-Trichloroethane (ug/L)		1.00 U
1,1-Dichloroethane (ug/L)	7	1.00 U
1,1-Dichloropropene (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	1.00 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
1,4-Dichlorobenzene (ug/L)	75	1.00 U

Gude Landfill
Monitoring Location SW-5 - Volatile Organic Compounds

Printed 6/22/21

Compound (ug/L)	MCL/ GWPS
2,2-Dichloropropane (ug/L)	1.00 U
2-Butanone (ug/L)	10.00 U
2-Hexanone (ug/L)	5.00 U
4-Methyl-2-Pentanone (ug/L)	5.00 U
Acetone (ug/L)	5.00 U
Acrylonitrile (ug/L)	10.00 U
Benzene (ug/L)	5
Bromochloromethane (ug/L)	1.00 U
Bromodichloromethane (ug/L)	80
Bromoform (ug/L)	80
Bromomethane (ug/L)	1.00 U
Carbon Disulfide (ug/L)	1.00 U
Carbon Tetrachloride (ug/L)	5
Chlorobenzene (ug/L)	100
Chloroethane (ug/L)	1.00 U

Gude Landfill
Monitoring Location SW-5 - Volatile Organic Compounds

Printed 6/22/21

	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	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)
MCL/ GWPS	80		70		80	700	10000			5	10000	100	5	1000	100
8/10	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	1.00 U	1.00 U

Gude Landfill Monitoring Location SW-5 - Volatile Organic Compounds

	trans-1,3-Dichloropropene (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			2	10000
8/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U